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Form **990-PF**Department of the Treasury
Internal Revenue Service**Return of Private Foundation**

or Section 4947(a)(1) Trust Treated as Private Foundation

▶ Do not enter social security numbers on this form as it may be made public.

▶ Go to www.irs.gov/Form990PF for instructions and the latest information.

OMB No. 1545-0052

2017

Open to Public Inspection

For calendar year 2017 or tax year beginning

SEP 1, 2017

and ending

AUG 31, 2018

Name of foundation

A Employer identification number

Burroughs Wellcome Fund**23-7225395**

Number and street (or P.O. box number if mail is not delivered to street address)

Room/suite

B Telephone number

21 T. W. Alexander Drive P.O. Box 13901**919-991-5100**

City or town, state or province, country, and ZIP or foreign postal code

Research Triangle Park, NC 27709-3901

G Check all that apply:

☐ Initial return☐ Initial return of a former public charity☐ Final return☐ Amended return☐ Address change☐ Name change

H Check type of organization:

☒ Section 501(c)(3) exempt private foundation☐ Section 4947(a)(1) nonexempt charitable trust☐ Other taxable private foundation

I Fair market value of all assets at end of year

J Accounting method:

☐ Cash☒ Accrual

(from Part II, col. (c), line 16)

☐ Other (specify)▶ \$ **798,950,583.** (Part I, column (d) must be on cash basis.)**Part I****Analysis of Revenue and Expenses**

(The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a).)

(a) Revenue and expenses per books

(b) Net investment income

(c) Adjusted net income

(d) Disbursements for charitable purposes (cash basis only)

Revenue	1 Contributions, gifts, grants, etc., received			N/A	
	2 Check ☒ if the foundation is not required to attach Sch. B				
	3 Interest on savings and temporary cash investments	4,263.	4,263.		Statement 1
	4 Dividends and interest from securities	11,452,348.	11,459,190.		Statement 2
	5a Gross rents				
	b Net rental income or (loss)				
	6a Net gain or (loss) from sale of assets not on line 10	45,372,496.			
	b Gross sales price for all assets on line 6a	523,218,133.			
	7 Capital gain net income (from Part IV, line 2)		48,040,588.		
	8 Net short-term capital gain				
	9 Income modifications				
	10a Gross sales less returns and allowances				
Operating and Administrative Expenses	b Less: Cost of goods sold				
	c Gross profit or (loss)				
	11 Other income	857,958.	<17,088.		Statement 3
	12 Total. Add lines 1 through 11	57,687,065.	59,486,953.		
	13 Compensation of officers, directors, trustees, etc.	924,430.	360,740.		558,399.
	14 Other employee salaries and wages	1,944,345.	99,375.		1,844,970.
	15 Pension plans, employee benefits	953,856.	116,341.		837,514.
	16a Legal fees Stmt 4	29,424.	24,015.		2,814.
	b Accounting fees Stmt 5	97,223.	23,785.		23,785.
	c Other professional fees Stmt 6	3,565,557.	3,402,678.		117,262.
	17 Interest				
	18 Taxes Stmt 7	1,425,852.	0.		0.
	19 Depreciation and depletion	388,013.	58,202.		
	20 Occupancy	333,431.	50,015.		283,416.
	21 Travel, conferences, and meetings	1,077,648.	44,457.		894,960.
	22 Printing and publications	98,815.	13,381.		77,523.
	23 Other expenses Stmt 8	868,733.	57,534.		676,477.
	24 Total operating and administrative expenses. Add lines 13 through 23	11,707,327.	4,250,523.		5,317,120.
	25 Contributions, gifts, grants paid	39,829,480.			37,070,342.
	26 Total expenses and disbursements. Add lines 24 and 25	51,536,807.	4,250,523.		42,387,462.
	27 Subtract line 26 from line 12:				
	a Excess of revenue over expenses and disbursements	6,150,258.			
	b Net investment income (if negative, enter -0-)		55,236,430.		
	c Adjusted net income (if negative, enter -0-)			N/A	

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Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only		Beginning of year	End of year	
				(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1	Cash - non-interest-bearing				
	2	Savings and temporary cash investments		2,229,440.	1,837,951.	1,837,951.
	3	Accounts receivable ▶ 34,427.				
		Less: allowance for doubtful accounts ▶		39,902.	34,427.	34,427.
	4	Pledges receivable ▶				
		Less: allowance for doubtful accounts ▶				
	5	Grants receivable				
	6	Receivables due from officers, directors, trustees, and other disqualified persons				
	7	Other notes and loans receivable ▶				
		Less: allowance for doubtful accounts ▶				
	8	Inventories for sale or use				
	9	Prepaid expenses and deferred charges		105,830.	65,739.	65,739.
	10a	Investments - U.S. and state government obligations Stmt 9		31,136,247.	29,995,795.	29,995,795.
	b	Investments - corporate stock Stmt 10		548,870,200.	572,644,912.	572,644,912.
	c	Investments - corporate bonds Stmt 11		38,056,510.	33,971,109.	33,971,109.
	Liabilities	11	Investments - land, buildings, and equipment basis ▶			
		Less accumulated depreciation ▶				
12		Investments - mortgage loans				
13		Investments - other Stmt 12		140,139,037.	151,588,417.	151,588,417.
14		Land, buildings, and equipment basis ▶ 17,099,121.				
		Less accumulated depreciation STMT #15 ▶ 9,747,784.		7,667,298.	7,351,337.	7,351,337.
15		Other assets (describe ▶ Statement 13)		1,303,261.	1,460,896.	1,460,896.
16		Total assets (to be completed by all filers - see the instructions Also, see page 1, item I)		769,547,725.	798,950,583.	798,950,583.
17		Accounts payable and accrued expenses		6,684,125.	4,235,715.	
18		Grants payable		101,117,272.	103,877,959.	
Net Assets or Fund Balances	19	Deferred revenue				
	20	Loans from officers, directors, trustees, and other disqualified persons				
	21	Mortgages and other notes payable				
	22	Other liabilities (describe ▶ Statement 14)		2,214,809.	2,679,809.	
	23	Total liabilities (add lines 17 through 22)		110,016,206.	110,793,483.	
Net Assets or Fund Balances		Foundations that follow SFAS 117, check here ▶ ☒ and complete lines 24 through 26, and lines 30 and 31.				
	24	Unrestricted		659,531,519.	688,157,100.	
	25	Temporarily restricted				
	26	Permanently restricted				
		Foundations that do not follow SFAS 117, check here ▶ ☐ and complete lines 27 through 31.				
	27	Capital stock, trust principal, or current funds				
	28	Paid-in or capital surplus, or land, bldg., and equipment fund				
	29	Retained earnings, accumulated income, endowment, or other funds				
	30	Total net assets or fund balances		659,531,519.	688,157,100.	
	31	Total liabilities and net assets/fund balances		769,547,725.	798,950,583.	

Part III Analysis of Changes in Net Assets or Fund Balances

1	Total net assets or fund balances at beginning of year - Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1	659,531,519.
2	Enter amount from Part I, line 27a	2	6,150,258.
3	Other increases not included in line 2 (itemize) ▶ Unrealized Gain on Investments	3	22,940,323.
4	Add lines 1, 2, and 3	4	688,622,100.
5	Decreases not included in line 2 (itemize) ▶ Deferred Excise Tax	5	465,000.
6	Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6	688,157,100.

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Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (for example, real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)		(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a Sale of Publicly Traded Securities		P	Various	Various
b Flow Through From K-1's		P	Various	Various
c				
d				
e				

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a 520,550,041.		475,177,545.	45,372,496.
b 2,668,092.			2,668,092.
c			
d			
e			

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69			(l) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))
(i) FMV as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	
a			45,372,496.
b			2,668,092.
c			
d			
e			

2 Capital gain net income or (net capital loss)	If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7	2	48,040,588.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6). If gain, also enter in Part I, line 8, column (c). If (loss), enter -0- in Part I, line 8		3	N/A

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank.

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period? ☐ Yes ☒ No

If "Yes," the foundation doesn't qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year; see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2016	36,032,960.	714,814,678.	.050409
2015	36,622,580.	687,855,301.	.053242
2014	39,969,830.	744,748,743.	.053669
2013	33,697,141.	737,753,557.	.045675
2012	32,825,429.	677,551,480.	.048447

2 Total of line 1, column (d)	2	.251442
3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5.0, or by the number of years the foundation has been in existence if less than 5 years	3	.050288
4 Enter the net value of noncharitable-use assets for 2017 from Part X, line 5	4	773,572,454.
5 Multiply line 4 by line 3	5	38,901,412.
6 Enter 1% of net investment income (1% of Part I, line 27b)	6	552,364.
7 Add lines 5 and 6	7	39,453,776.
8 Enter qualifying distributions from Part XII, line 4 If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.	8	42,448,706.

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)

1a Exempt operating foundations described in section 4940(d)(2), check here ☐ and enter "N/A" on line 1.
Date of ruling or determination letter: _____ (attach copy of letter if necessary-see instructions)

b Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☒ and enter 1% of Part I, line 27b

c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations, enter 4% of Part I, line 12, col. (b)

2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)	2	0.
3 Add lines 1 and 2	3	552,364.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-)	4	0.
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-	5	552,364.
6 Credits/Payments:		
a 2017 estimated tax payments and 2016 overpayment credited to 2017	6a	0.
b Exempt foreign organizations - tax withheld at source	6b	0.
c Tax paid with application for extension of time to file (Form 8868)	6c	568,000.
d Backup withholding erroneously withheld	6d	0.
7 Total credits and payments. Add lines 6a through 6d	7	568,000.
8 Enter any penalty for underpayment of estimated tax. Check here ☒ if Form 2220 is attached	8	20,528.
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9	4,892.
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10	
11 Enter the amount of line 10 to be: Credited to 2018 estimated tax ☐ Refunded ☒	11	

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes? See the instructions for the definition. If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities.		X
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ 0. (2) On foundation managers. \$ 0.		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ 0.		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If "Yes," attach a detailed description of the activities	2	X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes	3	X
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?	4a	X
b If "Yes," has it filed a tax return on Form 990-T for this year?	4b	N/A
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by General Instruction T	5	X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	6	X
7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col. (c), and Part XV	7	X
8a Enter the states to which the foundation reports or with which it is registered. See instructions. NC		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If "No," attach explanation	8b	X
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2017 or the tax year beginning in 2017? See the instructions for Part XIV. If "Yes," complete Part XIV	9	X
10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses	10	X

Part VII-A Statements Regarding Activities (continued)

	Yes	No
11 At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule. See instructions		X
12 Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement. See instructions		X
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address ► <u>www.bwfund.org</u>	X	
14 The books are in care of ► <u>Burroughs Wellcome Fund</u> Telephone no ► <u>919-991-5100</u> Located at ► <u>21 T. W. Alexander Drive, RTP, NC</u> ZIP+4 ► <u>27709-3901</u>		
15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - check here and enter the amount of tax-exempt interest received or accrued during the year	15	N/A
16 At any time during calendar year 2017, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country ►	16	X

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

	Yes	No
1a During the year, did the foundation (either directly or indirectly): (1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No (2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No (3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☐ Yes ☒ No (4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☒ Yes ☐ No (5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No (6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days) ☐ Yes ☒ No		
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance? See instructions Organizations relying on a current notice regarding disaster assistance, check here ► ☐	1b	X
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2017?	1c	X
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)): a At the end of tax year 2017, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2017? ☐ Yes ☒ No If "Yes," list the years ► _____ b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.) ☐ Yes ☒ No c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here ► _____	2b	N/A
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? ☒ Yes ☐ No b If "Yes," did it have excess business holdings in 2017 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969, (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2017.)	3b	X
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	X
b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2017?	4b	X

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Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)

5a During the year, did the foundation pay or incur any amount to:

- (1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))? ☐ Yes ☒ No
- (2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive? ☐ Yes ☒ No
- (3) Provide a grant to an individual for travel, study, or other similar purposes? ☒ Yes ☐ No
- (4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? See instructions ☐ Yes ☒ No
- (5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals? ☐ Yes ☒ No

b If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance? See instructions

Organizations relying on a current notice regarding disaster assistance, check here ☐c If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant? ☐ Yes ☐ No

If "Yes," attach the statement required by Regulations section 53.4945-5(d).

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? ☐ Yes ☒ Nob Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract? ☐ Yes ☒ No

If "Yes" to 6b, file Form 8870.

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction? ☐ Yes ☒ Nob If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction? ☐ Yes ☒ No**Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors****1 List all officers, directors, trustees, and foundation managers and their compensation.**

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
John Burris	President - Director			
21 T.W. Alexander Drive				
RTP, NC 27709-3901	38.00	468,190.	61,304.	0.
Scott Schoedler	V.P. Finance			
21 T.W. Alexander Drive				
RTP, NC 27709-3901	38.00	353,240.	63,379.	0.
Please see attached schedule #16				
21 T.W. Alexander Drive				
RTP, NC 27709-3901	0.00	103,000.	0.	0.

2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
Ken Browndorf - 21 T. W. Alexander Dr., RTP, NC 27709-3901	Sr. Asset & Acct Manager	38.00	145,170.	45,047.
Victoria McGovern - 21 T. W. Alexander Dr., RTP, NC 27709-3901	Senior Program Officer	38.00	137,100.	33,425.
Rolly Simpson - 21 T. W. Alexander Dr., RTP, NC 27709-3901	Senior Program Officer	38.00	114,750.	36,593.
Rusty Kelley - 21 T. W. Alexander Dr., RTP, NC 27709-3901	Senior Program Officer	38.00	101,127.	37,804.
Alfred Mays - 21 T. W. Alexander Dr., RTP, NC 27709-3901	Senior Program Officer	38.00	105,078.	27,722.
Total number of other employees paid over \$50,000				13

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)**3** Five highest-paid independent contractors for professional services. If none, enter "NONE."

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
BMO Asset Management 115 S. LaSalle Street, Chicago, IL 60603	Money Management	414,976.
State Street Inc 1 Lincoln Street, Boston, MA 02111	Banking Custodial	407,438.
Hardman Johnston 1 Landmark Square, Stamford, CT 06901	Money Management	327,833.
Hansberger Growth Investors 550 Science Drive, Madison, WI 53711	Money Management	279,206.
LSV Asset Management 155 North Wacker Drive, Chicago, IL 60606	Money Management	256,245.
Total number of others receiving over \$50,000 for professional services		11

Part IX-A Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.

	Expenses
1 N/A	
2	
3	
4	

Part IX-B Summary of Program-Related Investments

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.

	Amount
1 N/A	
2	
3 All other program-related investments See instructions.	
Total. Add lines 1 through 3	0.

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Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	781,520,249.
b	Average of monthly cash balances	1b	1,267,628.
c	Fair market value of all other assets	1c	2,564,868.
d	Total (add lines 1a, b, and c)	1d	785,352,745.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0.
2	Acquisition indebtedness applicable to line 1 assets	2	0.
3	Subtract line 2 from line 1d	3	785,352,745.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	11,780,291.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	773,572,454.
6	Minimum investment return. Enter 5% of line 5	6	38,678,623.

Part XI Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations, check here ☐ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	38,678,623.
2a	Tax on investment income for 2017 from Part VI, line 5	2a	552,364.
b	Income tax for 2017 (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	552,364.
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	38,126,259.
4	Recoveries of amounts treated as qualifying distributions	4	857,958.
5	Add lines 3 and 4	5	38,984,217.
6	Deduction from distributable amount (see instructions)	6	0.
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	38,984,217.

Part XII Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	42,387,462.
b	Program-related investments - total from Part IX-B	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	61,244.
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8; and Part XIII, line 4	4	42,448,706.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b	5	552,364.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	41,896,342.

Note: The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Form 990-PF (2017)

Part XIII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2016	(c) 2016	(d) 2017
1 Distributable amount for 2017 from Part XI, line 7				38,984,217.
2 Undistributed income, if any, as of the end of 2017				
a Enter amount for 2016 only			6,532,148.	
b Total for prior years		0.		
3 Excess distributions carryover, if any, to 2017:				
a From 2012				
b From 2013				
c From 2014				
d From 2015				
e From 2016				
f Total of lines 3a through e	0.			
4 Qualifying distributions for 2017 from Part XII, line 4: ▶ \$ 42,448,706.				
a Applied to 2016, but not more than line 2a			6,532,148.	
b Applied to undistributed income of prior years (Election required - see instructions)		0.		
c Treated as distributions out of corpus (Election required - see instructions)	0.			
d Applied to 2017 distributable amount				35,916,558.
e Remaining amount distributed out of corpus	0.			
5 Excess distributions carryover applied to 2017 (If an amount appears in column (d), the same amount must be shown in column (a).)	0.			0.
6 Enter the net total of each column as indicated below:	0.			
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5	0.			
b Prior years' undistributed income. Subtract line 4b from line 2b		0.		
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed		0.		
d Subtract line 6c from line 6b. Taxable amount - see instructions		0.		
e Undistributed income for 2016. Subtract line 4a from line 2a. Taxable amount - see instr.			0.	
f Undistributed income for 2017. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2018				3,067,659.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)	0.			
8 Excess distributions carryover from 2012 not applied on line 5 or line 7	0.			
9 Excess distributions carryover to 2018. Subtract lines 7 and 8 from line 6a	0.			
10 Analysis of line 9:				
a Excess from 2013				
b Excess from 2014				
c Excess from 2015				
d Excess from 2016				
e Excess from 2017				

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9)

N/A

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2017, enter the date of the ruling

b Check box to indicate whether the foundation is a private operating foundation described in section 4942(j)(3) or 4942(j)(5)

2 a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed

b 85% of line 2a

c Qualifying distributions from Part XII, line 4 for each year listed

d Amounts included in line 2c not used directly for active conduct of exempt activities

e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c

3 Complete 3a, b, or c for the alternative test relied upon:

a "Assets" alternative test - enter:

(1) Value of all assets

(2) Value of assets qualifying under section 4942(j)(3)(B)(i)

b "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed

c "Support" alternative test - enter:

(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)

(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)

(3) Largest amount of support from an exempt organization

(4) Gross investment income

Part XV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)**1 Information Regarding Foundation Managers:**

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000) (See section 507(d)(2).)

None

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

None

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here ☐ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc., to individuals or organizations under other conditions, complete items 2a, b, c, and d.

a The name, address, and telephone number or email address of the person to whom applications should be addressed:

Burroughs Wellcome Fund, 919-991-5100, www.bwfund.org
21 T.W. Alexander Drive, RTP, NC 27709-3901

b The form in which applications should be submitted and information and materials they should include:

Please see Statement #17

c Any submission deadlines:

Please see Statement #17

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

Please see Statement # 17

Part XV Supplementary Information (continued)**3 Grants and Contributions Paid During the Year or Approved for Future Payment**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a Paid during the year				
Statement #18				37,070,342.
Total				37,070,342.
b Approved for future payment				
Statement #19				37,649,803.
Total				37,649,803.

Form 990-PF Interest on Savings and Temporary Cash Investments Statement 1

Source	(a) Revenue Per Books	(b) Net Investment Income	(c) Adjusted Net Income
Checking Account	4,263.	4,263.	
Total to Part I, line 3	4,263.	4,263.	

Form 990-PF	Dividends and Interest from Securities	Statement	2
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Source	Gross Amount	Capital Gains Dividends	(a) Revenue Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income
Flow Throughs From K-1's	0.	0.	0.	6,842.	
Interest & Dividends	11,452,348.	0.	11,452,348.	11,452,348.	
To Part I, line 4	11,452,348.	0.	11,452,348.	11,459,190.	

Form 990-PF

Other Income

Statement 3

Description	(a) Revenue Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income
Partnership Income	0.	<17,088.>	
Grant Funds Returned	857,958.	0.	
Total to Form 990-PF, Part I, line 11	857,958.	<17,088.>	

Form 990-PF

Legal Fees

Statement 4

Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
Legal	29,424.	24,015.		2,814.
To Fm 990-PF, Pg 1, ln 16a	29,424.	24,015.		2,814.

Form 990-PF

Accounting Fees

Statement 5

Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
PricewaterhouseCoopers LLP	97,223.	23,785.		23,785.
To Form 990-PF, Pg 1, ln 16b	97,223.	23,785.		23,785.

Form 990-PF	Other Professional Fees			Statement 6
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
Investment Expense	3,381,678.	3,381,678.		0.
Consulting	183,879.	21,000.		117,262.
To Form 990-PF, Pg 1, ln 16c	3,565,557.	3,402,678.		117,262.

Form 990-PF

Taxes

Statement 7

Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
Federal Excise Taxes	1,425,852.	0.		0.
To Form 990-PF, Pg 1, ln 18	1,425,852.	0.		0.

**990-PF Other Expenses
for FY 2018
Description**

Statement #8

	Expenses Per Books	Net Invest- ment Income	Adjusted Net Income	Charitable Puposes
Office / Administrative	117,422	10,270		99,869
Telephone / Information Technology	237,266	32,656		185,049
Staff Development	18,981	2,810		15,922
General Insurance	39,157	5,309		30,084
Miscellaneous Expense	98,256	1,348		13,473
Advertising	54,701	5,141		29,130
Honoraria paid to non-disqualified people	302,950			302,950
To From 990-PF, PG 1, ln 23	868,733	57,534	-	676,477

Form 990-PF	U.S. and State/City Government Obligations	Statement	9
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Description	U.S. Gov't	Other Gov't	Book Value	Fair Market Value
US and Govt Obligations	X		29,995,795.	29,995,795.
Total U.S. Government Obligations			29,995,795.	29,995,795.
Total State and Municipal Government Obligations				
Total to Form 990-PF, Part II, line 10a			29,995,795.	29,995,795.

Form 990-PF

Corporate Stock

Statement 10

Description	Book Value	Fair Market Value
Corporate Stocks	572,644,912.	572,644,912.
Total to Form 990-PF, Part II, line 10b	572,644,912.	572,644,912.

Form 990-PF	Corporate Bonds	Statement 11
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Description	Book Value	Fair Market Value
Corporate Bonds	33,971,109.	33,971,109.
Total to Form 990-PF, Part II, line 10c	33,971,109.	33,971,109.

Form 990-PF	Other Investments	Statement 12
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Description	Valuation Method	Book Value	Fair Market Value
Other Investments	FMV	151,588,417.	151,588,417.
Total to Form 990-PF, Part II, line 13		151,588,417.	151,588,417.

Form 990-PF	Other Assets	Statement 13
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Description	Beginning of Yr Book Value	End of Year Book Value	Fair Market Value
Accrued Interest and Dividends	1,303,261.	1,460,896.	1,460,896.
To Form 990-PF, Part II, line 15	1,303,261.	1,460,896.	1,460,896.

Form 990-PF	Other Liabilities	Statement 14
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Description	BOY Amount	EOY Amount
Deferred Federal Excise Tax Payable	2,214,809.	2,679,809.
Total to Form 990-PF, Part II, line 22	2,214,809.	2,679,809.

Burroughs Wellcome Fund
Page 2 Part II line 14 Fixed Asset schedule #15
990-PF 2017 for Fiscal year ended 8/31/2018

Assets

	Balance 8/31/2017	Additions	Retirements	Balance 8/31/2018
Building	13,450,864	-	-	13,450,864
Furniture/Office Equipment	2,172,535	6,103	-	2,178,638
Computer Hardware	1,309,167	65,951	-	1,375,118
Fixed Assets - Other	94,501		-	94,501
Total	17,027,067	72,054	-	17,099,121

Accumulated Depreciation

	Accumulated Depreciation 8/31/2017	Depreciation Expense	Retirements	Accumulated Depreciation 8/31/2018
Building	5,983,454	336,282		6,319,736
Furniture/Office Equipment	2,087,838	31,692	-	2,119,530
Computer Hardware	1,288,479	20,039	-	1,308,518
Fixed Assets - Other	-	-	-	-
Total	9,359,771	388,013	-	9,747,784

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
(A) Career Development of Postdoctoral Scientists		
Society for Neuroscience Ms. Jenna Kohnke Washington, DC <i>Support for trainee professional development awards to the Society of Neuroscience's annual meeting, Washington, DC, November 11-15, 2017</i>	30,000.00 41845 10/13/2017	PC
Federation of American Societies for Experimental Biology Dr. Mario F Feldman, Ph D. MD <i>Support for a FASEB conference on Microbial Glycobiology, Scottsdale, Arizona, June 17-22, 2018</i>	5,000.00 42387 1/15/2018	PC
American Society for Cell Biology Dr. Sydella Blatch, Ph.D Bethesda, MD <i>Support for the Minorities Affairs Committee (MAC) and Women in Cell Biology (WICB) activities at the annual meeting, Philadelphia, Pennsylvania, December 2-6, 2017</i>	25,000.00 42003 11/15/2017	PC
Tides Foundation Ms. Kriss Deiglmeier San Francisco, CA <i>Support for the Gairdner National Program lecture series</i>	25,000.00 43003 5/15/2018	PC
Marine Biological Laboratory (MBL) Ms. Stacy Schwenke Woods Hole, MA <i>Support for the 2017-2019 Embryology course Concepts & Techniques in Modern Developmental Biology</i>	90,000.00 43002 5/15/2018	PC
American Physician Scientists Association (APSA) Dr. Alexander Adami Urbana, IL <i>Support for the APSA Undergraduate Mentorship Program</i>	10,000.00 42510 2/15/2018	PC
Baylor College of Medicine Ms. Sylvia Yvonne Gonzalez	5,000.00 43355	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Houston, TX <i>Support for the Alexander R. Matzuk 2018-2019 speaker series and meeting support in lieu of honorarium for CAMS advisory member Martin M Matzuk, M.D., Ph.D</i>	7/16/2018	
Gordon Research Conferences Dr. Kelly S. Doran, Ph.D. <i>Support for the GRC on Molecular Mechanisms at the Streptococcal-Host Interface, August 19-24, 2018</i>	5,000.00 43450 8/15/2018	PC
International Society for Antiviral Research Mr. Roger Ptak Birmingham, AL <i>Support for the 2018 Gertrude Elton Memorial Lecture Award, Porto, Portugal, June 11-15, 2018</i>	7,500.00 42865 4/12/2018	PC
Gordon Research Conferences Ms. Darlene Armstrong <i>Support for the 2019 Dendrites: Molecules, Structure and Function Gordon Research Conference in Ventura, California, March 31 - April 6, 2019</i>	15,000.00 42860 4/12/2018	PC
(A) Communications/Science Writing American Association for the Advancement of Science Dr. Rebekah Jean Corlew, Ph.D. Washington, DC <i>Support for the AAAS Mass Media Science & Engineering Fellowship</i>	20,000.00 43168 6/15/2018	PC
Open Notebook Ms. Siri Jane Carpenter, Ph.D. Madison, WI <i>Support for the Science Storytellers program at 2018 AAAS meeting</i>	5,000.00 42696 3/15/2018	PC
Open Notebook Ms. Siri Jane Carpenter, Ph.D. Madison, WI <i>Support for the TON/BWF Fellowship for Early-Career Science Journalists, as well as capacity-building</i>	25,000.00 42697 3/15/2018	PC
Center for Excellence in Health Care Journalism	20,000.00	SO II

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Professor Len Bruzzese Columbia, MO <i>Support for the global health track for World Conference of Science Journalists</i>	11/15/2017 42004	
North Carolina Public Television Foundation Mr. Thomas A Schenck Research Triangle Park, NC <i>Support for the Sci-Tech Now North Carolina program</i>	35,000.00 42237	PC
North Carolina Community Foundation/North Carolina Network of Grantmakers Ms. Ret Boney Raleigh, NC <i>Support for the NCNG Communications Training Initiative - Phase 1</i>	5,600.00 42019	PC
Science Cheerleaders, Inc. Ms. Darlene Cavalier Philadelphia, PA <i>Support for the Science Cheerleaders at the 2018 USA Science and Engineering Festival</i>	10,000.00 42241	PC
(A) Communications/Science Writing North Carolina Community Foundation/North Carolina Network of Grantmakers Ms. Ret Boney Raleigh, NC <i>Support for the N C. Network of Grantmakers Communications Programming</i>	5,000.00 41856	PC
(A) Diversity in Science Gordon Research Conferences Dr. Daniel I Dominguez, Ph.D. <i>Support for the Gordon Research Seminar, Post-Transcriptional RNA Processing. Surveys, Mechanisms and Disease</i>	2,000.00 43165	PC
University of North Carolina-Chapel Hill Dr. Richard L Watkins, Ph D. Chapel Hill, NC 27516 <i>Support for the Diversity in STEM Conference and GRE Preparation Course</i>	5,000.00 43162	GOV
Sisters of the Academy Institute Dr. LeKita Dawkins, Ph.D.	2,000.00 43455	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Tallahassee, FL <i>Support for the 2018 Intensive Grantsmanship Workshop hosted by the Sisters of the Academy Institute (SOTA) in Washington, D.C August 2-5, 2018</i>	8/15/2018	
<u>(A) General Education Grant</u> Grantmakers for Education Ms. Alessandra Piani Portland, OR <i>Support for 2018-19</i>	3,500.00 43167 6/15/2018	PC
<u>(A) General Philanthropy</u> American Documentary, Inc. Dr. Andreas von Bubnoff, Ph D. New York, NY <i>Support for the project titled "The last O'o--A Virtual Reality Project on Species Extinction"</i>	15,000.00 43170 6/15/2018	PC
American Institute of Biological Sciences Dr. Scott Glisson McLean, VA <i>Support for the 2018 meeting, the Next Gen International Biology, to be held in Washington, DC on December 5-6, 2018</i>	1,500.00 43457 8/15/2018	PC
National Academy of Sciences Dr. Anne-Marie Mazza, Ph.D. Washington, DC <i>Support for the international summit on human genome editing in Hong Kong in the Fall of 2018</i>	10,000.00 42859 4/12/2018	PC
Association for Women in Science Ms. Cynthia L. Simpson, CAE, M.Ed. Billing and Remittance Office 6101 Grovedale Court Alexandria, VA 22310 <i>Support for renewal of Burroughs Wellcome Fund Association for Women in Science partnership dues</i>	5,000.00 42512 2/15/2018	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
University of North Carolina-Chapel Hill	2,000.00	GOV
Dr. Matthew R. Redinbo, Ph.D. Chapel Hill, NC 27516	42514	
<i>Support for the work of a Puerto Rican Scientist from February 1, 2018 until April 30,</i>		
(A) General Philanthropy		
Health Research Alliance, Inc. (HRA)		
Dr. Maryrose E. Franko, Ph.D. Research Triangle Park, NC	10,000.00 42855	PC
<i>Health Research Alliance (HRA) 2018 Dues</i>		
Council on Foundations		
Ms. Vikki Spruill Washington, DC	23,500.00 42694	PC
<i>General support for 2018</i>		
National Postdoctoral Association		
Ms. Julie Fabsik-Swartz Washington, DC	6,000.00 42630	PC
<i>Support for a best practices series focusing on the needs of 10 newer Postdoctoral Offices (PDOs) led by experienced postdoc leaders, along with National Postdoctoral Association (NPA) staff</i>		
Foundation Center		
Mr. Bradford K. Smith New York, NY	3,000.00 42205	PC
<i>Support for 2017</i>		
University of Victoria		
Debra Anderson P.O. Box 1700 STN CSC Victoria, BC V8W 2Y2 Canada	6,000.00 42389	PC
<i>Support for the Canadian Association of Postdoctoral Scholars' 2017 Annual General Meeting to be held November 4, 2017 in Ottawa, Canada</i>		
National Academy of Sciences		
	25,000.00	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Dr. Marcia McNutt Washington, DC <i>Support for the Ralph J. and Carol M Cicerone Endowment Fund for NAS Mission</i>	11/15/2017 42005	
Health Research Alliance, Inc. (HRA) Dr. Maryrose E. Franko, Ph D. Research Triangle Park, NC <i>Support for the gHRAsp database</i>	12,500.00 42383 1/15/2018	PC
(A) Infectious Disease - Career Development University of Massachusetts Medical School Dr. Cynthia N. Fuhrmann, Ph.D. Worcester, MA <i>Support for the start up phase of the establishment of a National Center for Advancing the Career Development of Scientists.</i>	200,000.00 42868 4/12/2018	GOV
University of Chicago Dr. Nancy Schwartz, Ph.D. 5841 S. Maryland Ave., MC 5058 Chicago, IL 60637 <i>Support for a GREAT Group Meeting Post-Conference Workshop focused on Institutional Efforts to Optimize Mentoring Relationships for Graduate Students and Postdocs in September 2018</i>	20,000.00 43008 5/15/2018	PC
Children's Science Center Ms. Adalene Spivy 3949 Pender Drive, Suite 120B Fairfax, VA 22030 <i>Support for the Children's Science Center in Fairfax, Virginia in lieu of 2018 honorarium to Dr. Maryrose Franko</i>	1,000.00 43176 6/15/2018	PC
National Postdoctoral Association Ms. Julie Fabsik-Swartz Washington, DC <i>Support for the 2018 National Postdoctoral Annual Conference April 6-8, 2018 in Cleveland, Ohio hosted by Case Western Reserve University</i>	5,000.00 42633 3/15/2018	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
University of Western Ontario Lisa Haley London, ON Canada <i>Support for the Canadian Association of Postdoctoral Administrators at their 2017 Annual Conference in Quebec City, November 5-6, 2017</i>	6,000.00 42006 11/15/2017	PC
(A) Infectious Diseases - General Marine Biological Laboratory (MBL) Ms Kelly Canesi Woods Hole, MA <i>Support for the Biology of Parasitism (BoP) course at the Marine Biological Laboratory over a four-year period, 2015-2019</i>	175,000.00 43284 7/16/2018	PC
American Society of Tropical Medicine and Hygiene Ms. Karen Goraleski Oakbrook Terrace, IL <i>Support for the Burroughs Wellcome Fund/American Society of Tropical Medicine and Hygiene fellowships for three years 2017-2020</i>	402,000.00 43287 7/16/2018	PC
American Society for Microbiology Dr Karla Fullner Satchell, Ph.D. 1752 N. Street, NW Washington, DC 20036 <i>Support for the American Society for Microbiology Conference Vibrio2017. The Biology of Vibrios November 12-15, 2017 in Chicago, Illinois</i>	6,000.00 41829 10/13/2017	PC
Association of Medical School Microbiology and Immunology Chairs Dr. William E. Goldman, Ph.D. 8447 Riverside Parkway MREB 3107 Bryan, TX 77807 <i>Support for the Association of Medical School Microbiology and Immunology Chairs (AMSMIC) annual meeting held in Hawaii in January 2018</i>	10,000.00 41982 11/15/2017	PC
Gordon Research Conferences	6,000.00	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Dr. Margaret A. Phillips, Ph.D. <i>Support for the 2018 Biology of Host-parasite Interactions Gordon Research Conference June 10-15, 2018 at Salve Regina University, Newport, Rhode Island</i>	41840 10/13/2017	
American Society of Tropical Medicine and Hygiene Ms. Karen Goraleski Oakbrook Terrace, IL <i>Support for the annual American Society of Tropical Medicine & Hygiene meeting November 5 - 9, 2017 in Baltimore, Maryland</i>	30,000.00 41983 11/15/2017	PC
Gordon Research Conferences Dr. Jenifer Coburn, Ph.D. <i>Support for the Biology of Spirochetes Gordon Research Conference and the Gordon Research Seminar in Ventura, California January 21-26, 2018</i>	6,000.00 41843 10/13/2017	PC
Regents of the University of California Dr. James H. McKerrow, M.D., Ph.D. San Francisco, CA 94143 <i>Support for renewal of funding for the Helminth Parasite Molecular Toolbox Travel Awards for 2017-2018</i>	20,000.00 42204 12/14/2017	PC
American Society for Microbiology Dr. Brendan P. Cormack, Ph.D. 1752 N. Street, NW Washington, DC 20036 <i>Support for the American Society for Microbiology's 14th Conference on Candida and Candidiasis which will be held from April 15 to April 19, 2018 in Providence, Rhode Island</i>	6,000.00 41990 11/15/2017	PC
Regents of the University of California Jason E. Stajich, Ph.D. Main Cashiers Office, 900 University Ave Student Services Bldg. 1111 Riverside, CA 92521 <i>Support for the Fungal Cell Wall (FCW2017) Conference in Ensenada, Mexico October 9- 12, 2017</i>	5,000.00 41848 10/13/2017	PC

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
American Society for Microbiology Ms. Amy L. Chang 1752 N. Street, NW Washington, DC 20036 <i>Support for graduate trainees and fellows in experiences to increase their understanding around the profession of microbiology</i>	25,000.00 41994 11/15/2017	PC
Memorial Sloan-Kettering Cancer Center Dr. Joseph C. Sun, Ph.D. New York, NY 10017 <i>Support for Career in the Biomedical Sciences awardee, Kevin B Urdahl, M.D., Ph.D., to present a seminar at Memorial Sloan Kettering Cancer Center</i>	1,000.00 41718 9/14/2017	PC
Board of Regents of the University of Wisconsin System Dr. Andrew Mehle, Ph.D. Milwaukee, WI <i>Support for Investigator in the Pathogenesis of Infectious Disease awardee Sara Sawyer, Ph.D. to present a seminar at the University of Wisconsin</i>	1,000.00 41849 10/13/2017	GOV
University of Texas Health Science Center-Houston Dr. Danielle A Garsin, Ph.D Houston, TX <i>Support for "The 5th International Conference on Enterococci" to be held in April, 2018</i>	6,000.00 41995 11/15/2017	GOV
Aegean Conferences, Inc. Dr. Eleftherios Mylonakis, MD, PhD, FIDSA 630 Pine Street Philadelphia, PA 19106 <i>Support for the 4th International Conference on Model Hosts to be held September 22-27, 2017 at the Sheraton Rhodes Conference Center in Ixia, Rhodes, Greece</i>	6,000.00 41996 11/15/2017	PC
Regents of the University of California Dr. Peter Bradley, Ph.D. San Francisco, CA 94143 <i>Support for Career Awards in the Medical Sciences (CAMS) awardee, Ellen Yeh, to present a seminar at the University of California-Los Angeles</i>	1,000.00 41850 10/13/2017	PC

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Emory University Dr. Christine M. Dunham, Ph.D. Atlanta, GA <i>Support for Investigator in the Pathogenesis of Infectious Disease awardee, Sunny Shin, Ph.D., to present a seminar at Emory University on March 29, 2018</i>	1,000.00 41851 10/13/2017	PC
Stanford University Dr. Justin L. Sonnenburg, Ph.D. San Francisco, CA <i>Support for Investigator of the Pathogenesis of Infectious Disease awardee, David Weiss, Ph.D., to present a seminar at Stanford University on April 18, 2018</i>	1,000.00 41852 10/13/2017	PC
Stanford University Denise M. Monack, Ph.D. San Francisco, CA <i>Support for Investigator in the Pathogenesis of Infectious Disease award, Kenneth Cadwell, Ph.D., to present a seminar at Stanford University on May 9, 2018</i>	1,000.00 41853 10/13/2017	PC
University of Texas Southwestern Medical Center-Dallas Dr. Neal M Alto, Ph.D. Dallas, TX <i>Support for an Investigator in the Pathogenesis of Infectious Disease awardee, Nel Elde, to present a seminar at the University of Texas Southwestern Medical Center-Dallas</i>	1,000.00 42631 3/15/2018	GOV
University of Texas-Austin Dr. Christopher S. Sullivan, Ph.D. Austin, TX <i>Support for Aron Lukacher, M.D., Ph.D., to present a seminar at the University of Texas-Austin on March 5, 2018</i>	1,000.00 41857 10/13/2017	GOV
American Society for Virology Dr. Stacey Schultz-Cherry, Ph.D. <i>Support for the 37th Annual Meeting of the American Society for Virology hosted by the University of Maryland from July 14-18, 2018 in College Park, Maryland</i>	10,000.00 42008 11/15/2017	PC
Gordon Research Conferences	6,000.00 PC	PC

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Dr. Li-Jun Ma, Ph.D. Support for the 2018 Gordon Research Conference on Cellular and Molecular Fungal Biology to be held June 17-22, 2018 in Holderness, New Hampshire University of Massachusetts-Amherst	42009 11/15/2017	GOV
Dr. Li-Jun Ma, Ph.D. 710 North Pleasant St. 913 LGRT Amherst, MA 01003 Support for Robert A. Cramer, Ph.D. to present a seminar at the University of Massachusetts-Amherst	1,000.00 42632 3/15/2018	GOV
Trustees of Dartmouth College Dr. Robert A. Cramer, Ph.D. Hanover, NH Support for Li-Jun Ma, Ph.D. to present a seminar at Dartmouth College Vanderbilt University Medical Center	1,000.00 42011 11/15/2017	PC
Dr. David M. Aronoff, M.D. Dallas, TX Support for the 2018 Congress of the Anaerobe Society of the Americas to be held July 9- 12, 2018 in Las Vegas, Nevada University of Washington Dr. Marion Pepper, Ph.D. Seattle, WA Support for Nels Elde, Ph.D. to present a seminar at the University of Washington's Immunology seminar series Spring 2018 Board of Trustees of the University of Illinois Dr. Michael J. Federle, Ph.D. Support for Mohammad Seyeddayandost, Ph.D. of Princeton University to visit the University of Illinois-Chicago to present his work to Dr. Michael Federle's department Duke University Raphael H. Valdivia, Ph.D. Durham, NC	6,000.00 42012 11/15/2017 1,000.00 42013 11/15/2017 1,000.00 42014 11/15/2017 1,000.00 42634 3/15/2018	PC GOV GOV PC

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<i>Support for Ellen Yeh, Ph.D., a CAMS awardee, to present a seminar at Duke University</i>		
Trustees of the Tufts University	1,000.00	PC
Dr. Brigitte T. Huber, Ph.D.	42021	
Dept of Molecular Biology & Microbiology, SOM	11/15/2017	
146 Harrison Ave		
Boston, MA 02111		
<i>Support for Investigator in the Pathogenesis of Infectious Disease awardee, Nan Yan, D. Phil., to present a seminar at Tufts University</i>		
Pennsylvania State University	1,000.00	GOV
Dr. Aron E. Lukacher, M.D., Ph.D.	42022	
University Park, PA	11/15/2017	
<i>Support for Investigators in the Pathogenesis of Infectious Disease awardee, Billy Tsa, Ph.D., to present a seminar at Pennsylvania State University in April, 2018</i>		
Scripps Research Institute	5,000.00	PC
Dr. Erica O. Saphire, Ph.D.	42243	
La Jolla, CA	12/14/2017	
<i>Support for a collaboration meeting regarding understanding immune effectors in viral systems</i>		
American Society for Microbiology	5,000.00	PC
Dr. Karen Visick	42244	
1752 N. Street, NW	12/14/2017	
Washington, DC 20036		
<i>Support for the 8th American Society for Microbiology Conference on Biofilms to be held in Washington, D.C., October 7-11, 2018</i>		
Emory University	6,000.00	PC
Dr. Derrick Jerone Morton, Ph.D.	42857	
Atlanta, GA	4/12/2018	
<i>Support for sponsorship of a conference given by the Institutional Research and Academic Career Development Award (IRACDA) postdoctoral program at Emory University in the summer of 2018</i>		
Gordon Research Conferences	6,000.00	PC

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Dr. K. Heran Darwin, Ph.D. <i>Support for Gordon Research Conferences "Bacterial Pathogenesis: From Pathogen Physiology to Interactions with Host Microbiota and Immune System" meeting July 8-13, 2018</i>	42858 4/12/2018	
University of Rochester Dr. Stephen Dewhurst, Ph.D. Rochester, NY <i>Support for a DEAF-ROC conference to be held in mid-2019</i>	5,000.00 43343 7/16/2018	GOV
Regents of the University of California Dr Suzanne M. Noble, M.D., Ph.D. San Francisco, CA 94143 <i>Support for PATH awardee, Andrew L Goodman, PhD, to present a seminar at the University of California-San Francisco in 2018</i>	1,000.00 42511 2/15/2018	PC
University of Iowa Dr. Timothy L. Yahr, Ph.D. Grant Accounting Office 118 S. Clinton Street Iowa City, IA 52242 <i>Support for the 25th annual Midwest Microbial Pathogenesis Conference (MMPC) to be held at the University of Iowa September 28-30, 2018</i>	6,000.00 42851 4/12/2018	GOV
Regents of the University of California Dr. Suzanne M. Noble, M.D., Ph.D. San Francisco, CA 94143 <i>Support for the 21st annual Bay Area Microbial Pathogenesis Symposium in 2018</i>	6,000.00 42513 2/15/2018	PC
Boston Children's Hospital Trust Dr. Jonathan C. Kagan, Ph.D. Boston, MA <i>Support for a seminar to be presented at Harvard Medical School by PATH awardee, Gregory Barton, Ph.D.</i>	1,000.00 42515 2/15/2018	PC
New York University School of Medicine Dr. Victor J Torres, Ph.D.	1,000.00 42396	PC

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New York, NY Support for PATH awardee, Nels Elde, Ph.D., to present a seminar at New York University on January 11, 2018	1/15/2018	
University of Colorado Dr. Richard E. Davis, Ph.D. Support for the 2018 Molecular and Cellular Biology of Helminth Parasites Conference in Hydra, Greece September 2-7, 2018	6,000.00 42698 3/15/2018	GOV
University of Rochester Dr. Felix Yarovinsky, M.D. Rochester, NY Support for PATH Awardee, Manuela Raffatellu, M.D., to present a seminar at the University of Rochester Medical Center in 2018	1,000.00 42520 2/15/2018	GOV
Trustees of the University of Pennsylvania Dr. DeBroski R. Herbert, Ph.D. Philadelphia, PA Support for the 22nd annual Woods Hole Immunoparasitology (WHIP) Meeting to be held April 15-18, 2018 in Cape Cod, Massachusetts	6,000.00 42853 4/12/2018	PC
Marine Biological Laboratory (MBL) Ms. Kelly Canesi Woods Hole, MA Support for Molecular Mycology: Current Approaches to Fungal Pathogenesis (MOMY) for three years 2018-2020.	100,000.00 42854 4/12/2018	PC
Cornell University Dr. John S. Parker, BVMS., Ph.D. Ithaca, NY Support for the 13th International Double-Stranded RNA Virus Symposium (dsRNA2018) to be held September 24-28, 2018 in Houffalize, Belgium	6,000.00 42699 3/15/2018	PC
Trustees of the Tufts University Dr. Ekaterina Heldwein, Ph.D. Dept of Molecular Biology & Microbiology, SOM 146 Harrison Ave	1,000.00 42391 1/15/2018	PC

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Boston, MA 02111 <i>Support for PATH awardee, Gregory A. Smith, Ph.D., to present a seminar at Tufts University</i>		
Parkland Foundation Mr. Kent C. Weimer 2777 N. Stemmons Freeway Dallas, TX 75207 <i>Support for the Parkland Foundation in lieu of the 2018 honorarium for Dr. Robert Munford</i>	5,000.00 43177 6/15/2018	PC
Emory University Dr. Christine M. Dunham, Ph.D. Atlanta, GA <i>Support for PATH awardee's laboratory to travel to a collaborator's laboratory to obtain computational expertise in single particle cryo electron microscopy</i>	1,000.00 43175 6/15/2018	PC
Pennsylvania State University Manuel Llinas, Ph.D. University Park, PA <i>Support for regional (Pennsylvania) parasitology symposium as an outreach of the Penn State Huck Center for Malaria Research to be held July 27-28, 2018 at Penn State</i>	1,000.00 43171 6/15/2018	GOV
Albert Einstein College of Medicine, Inc. Dr. Margaret Kielian, Ph.D. NY <i>Support for PATH awardee Jan Carette, Ph.D. of Stanford University to present a seminar at Albert Einstein College of Medicine</i>	1,000.00 43348 7/16/2018	PC
American Society of Tropical Medicine and Hygiene Ms. Judy DeAcetis Oakbrook Terrace, IL <i>Support for the American Committee of Molecular, Cellular and Immunoparasitology scientific program at the October 2018 Annual Meeting of the American Society of Tropical Medicine and Hygiene</i>	18,000.00 43352 7/16/2018	PC
University of Utah <i>Support for the American Committee of Molecular, Cellular and Immunoparasitology scientific program at the October 2018 Annual Meeting of the American Society of Tropical Medicine and Hygiene</i>	1,000.00 7/16/2018	GOV

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Dr. Nels C. Elde, Ph.D. Salt Lake City, UT <i>Support for PATH awardee Jesse Bloom, Ph D. to present a seminar at the University of Utah</i>	8/15/2018 43448	
Association of American Veterinary Medical Colleges Dr Andrew T. Maccabe, DVM, MPH, JD 655 K Street, Suite 725 Washington, DC 20001 <i>Support for the "Becoming Faculty: a short course on launching a scientific career" at the 20th annual National Veterinary Scholars Symposium to be held at Texas A&M College of Veterinary Medicine & Biomedical Sciences on August 2-4, 2018</i>	50,000.00 43449 8/15/2018	PC
Washington University Dr. Christina L. Stallings, Ph.D. Saint Louis, MO <i>Support for an Interactive Workshop on "Perspectives and Challenges in TB/HIV Innate Immunity" to be held at the Ragon Institute of MGH, MIT, and Harvard in Cambridge, Massachusetts November 1-2, 2018</i>	5,000.00 43452 8/15/2018	PC
Boston University Barton E. Slatko, PhD Boston, MA <i>Support for the 10th Biennial International Wolbachia 2018 meeting to be held June 17-22, 2018 in Salem, MA.</i>	6,000.00 43161 6/15/2018	PC
University of Oxford Dr. Victoria Cornelius United Kingdom <i>Support for the Genomic Epidemiology of Malaria (GEM) meeting to be held June 11-13, 2018 in Hinxton, UK</i>	10,000.00 43007 5/15/2018	PC
Graduate Career Consortium Dr. Eileen C. Callahan 2205 West End Ave. 117 Alumni Hall	5,000.00 43009 5/15/2018	PC

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Nashville, TN 37240 Support for the Graduate Career Consortium's Annual Conference, June 26-29, 2018, at the University of Wisconsin-Madison		
University of Texas Southwestern Medical Center-Dallas Dr. Julie K. Pfeiffer, Ph.D. Dallas, TX	1,000.00 43010 5/15/2018	GOV
Support for PATH Awardee, Matthew Evans, Ph.D., to present a seminar at the University of Texas Southwestern Medical Center-Dallas Texas A&M University Dr. Helene Marquis Business Coordinator 4461 TAMU College Station, TX 77843	5,000.00 43011 5/15/2018	GOV
Support for the 2nd Colloquium for Combined DVM-PhD Scientists to be held July 31 and August 1, 2018 at Texas A&M University, College Station, Texas American Alumni of Glasgow University Omar Harb, Ph.D. President, AAGU 183 Wolf Harbor Road Milford, CT 06461	5,000.00 43163 6/15/2018	PC
Support for transportation costs for 5 students to travel to the third annual MeBoP (Middle Eastern Biology of Parasitism) course in Bern, Switzerland on July 21-August 4, University of Wisconsin-Madison Dr. Karen J. Guillemin, Ph.D. Madison, WI	6,000.00 43014 5/15/2018	GOV
Support for the 7th BMC (Beneficial Microbes Conference) to be held July 8-11, 2018 in Madison, Wisconsin. Trustees of the University of Pennsylvania Dr. Igor E. Brodsky, Ph.D. Philadelphia, PA	6,000.00 43164 6/15/2018	PC
Support for retreat for four labs (Torres, Cadwell, Shin, Brodsky) to be held August 27-		

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28, 2018 at the Ocean Place Resort and Spa in Long Branch, NJ Oregon Health and Science University Foundation Dr. Gregory A. Smith, Ph.D. Portland, OR Support for travel costs for Professor Manfred Marschall to speak at the 2018 International Herpesvirus Workshop (IHW) at the University of British Columbia July 21- 25, 2018	2,000.00 43454 8/15/2018	PC
Georgia Institute of Technology Marvin Whiteley, Ph.D. Atlanta, GA Support for CASI awardee, Hesper Rego, Ph D, to present a seminar at Georgia Institute of Technology on November 30, 2018	1,000.00 43459 8/15/2018	PC
(A) Interfaces in Science International Society for Cellular Therapy Brian Poole 744 West Hastings St., Suite 325 Vancouver, BC V6C 1A5 Canada Support for the International Society for Cellular Therapy (ISCT) 2018 Annual Meeting in Montreal May 2-5, 2018	20,000.00 42002 11/15/2017	PC
Gordon Research Conferences Julie S. Biteen, Ph.D. Support for Single Molecule Approaches to Biology Gordon Research Conference 2018 New York University School of Medicine Dr. Zhe Chen New York, NY Support for Dynamic Neuroscience Statistics, Modeling, and Control Symposium in Honor of Professor Emery Brown's 60th Birthday	2,500.00 42010 11/15/2017 10/13/2017	PC PC
Biophysical Society Rosalba Kampman Bethesda, MD	30,000.00 41713 9/14/2017	PC

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<i>Support for the Biophysical Society Annual Meeting in San Francisco, California February 17-21, 2018</i>		
Cold Spring Harbor Laboratory		PC
Ms. Rebecca Leshan	15,000.00 41714	
Cold Spring Harbor, NY	9/14/2017	
<i>Support for Banbury April 2018 Workshop on Information Storage in Synthesized DNA</i>		
Duke University		PC
Charles Nunn, Ph.D.	2,500.00 41839	
Durham, NC	10/13/2017	
<i>Support for Triangle Center for Evolutionary Medicine (TriCEM) Showcase Event, September 9, 2017</i>		
Marine Biological Laboratory (MBL)		PC
Ms. Kelly Canesi	130,000.00 43159	
Woods Hole, MA	6/15/2018	
<i>Support for the course Physiology: Modern Cell Biology Using Microscopic, Biochemical and Computational Approaches over three years (2017-2019)</i>		
American Society of Gene & Cell Therapy		PC
David M. Barrett, JD, MS	15,000.00 42522	
555 West Wells Street, Suite 1100	2/15/2018	
Milwaukee, WI 53202-3823		
<i>Support for the American Society for Gene & Cell Therapy's 21st Annual Meeting May 16-19, 2018 in Chicago</i>		
Computational and Systems Neuroscience (Cosyne)		PC
Dr. Michael Long, Ph.D.	25,000.00 42508	
196 Flatbush Avenue, 2nd Floor	2/15/2018	
Brooklyn, NY 11217		
<i>Support for the 2018 Annual Computational and Systems Neuroscience (Cosyne) Meeting</i>		
Society for Biomaterials		PC
Mr. Dan Lemyre	15,000.00 42700	
Mt Laurel, NJ 08084	3/15/2018	
<i>Support for the Society for Biomaterials' 2018 Annual Meeting and Exposition in Atlanta,</i>		

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<i>GA, April 11-14, 2018 and the Cato T. Laurence, MD, PhD Travel Fellowship</i>		
Trustees of the University of Pennsylvania	2,500.00	PC
Matthew C Good, Ph.D.	42394	
Philadelphia, PA	1/15/2018	
<i>Support for "Bottom-Up Cell Biology", a subgroup meeting at the ASCB 2017 Annual Meeting</i>		
Biophysical Society		
Rosalba Kampman	2,500.00	PC
Bethesda, MD	43172	
<i>Support for Biophysical Society Thematic Genomics Meeting in Santa Cruz, August 2018</i>		
Gordon Research Conferences		
Tatiana V Mishanina, Ph.D.	5,000.00	PC
<i>Support for 2018 Enzymes, Coenzymes and Metabolic Pathways Gordon Research Seminar ("Enzymes GRS") for graduate students and postdocs</i>	43174	
Aegean Conferences, Inc.		
Dr. John D. Lambris, Ph D.	15,000.00	PC
630 Pine Street	43453	
Philadelphia, PA 19106	8/15/2018	
<i>Support for the 13th International Conference on Pathways, Networks, and Systems sponsored by Aegean Conference to be held in Chania, Crete, Greece from June 23-28, 2019</i>		
New York Stem Cell Foundation		
Ms. Kristin Smith	15,000.00	PC
619 West 54th Street, 3rd Floor	43353	
New York, NY 10019	7/16/2018	
<i>Support for two internships for New York City high school teachers who will participate in New York Stem Cell Foundation University, the New York Stem Cell Foundation Research Institute's internship program in the summer of 2018</i>		
World Molecular Imaging Society		
Susan Arrowsmith Kirk	2,500.00	PC
6162 Bristol Parkway	43349	
	7/16/2018	

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Culver City, CA 90230 <i>Support for the Synthetic Biology and Reporter Genes (SyBRG) Interest Group Meeting at the World Molecular Imaging Society in 2018</i>		
Duke University Charles Nunn, Ph.D. Durham, NC <i>Support of the 2018 Evolutionary Medicine Summer Institute Workshop to be held at Duke University June 3-9, 2018</i>	2,500.00 42866 4/12/2018	PC
Georgia Tech Research Corporation Jennifer Chatham, J.D. Atlanta, GA <i>Support for Reception for Robophysics: Physics Meets Robotics Session Participants</i>	2,000.00 43004 5/15/2018	SO III FI
University of North Carolina-Chapel Hill Laura Schranz Chapel Hill, NC 27516 <i>Support for the Sophomore Orientation Program of the Joint Department of Biomedical Engineering at UNC Chapel Hill and NC State University</i>	5,000.00 43013 5/15/2018	GOV
Cold Spring Harbor Laboratory Ms Wendy S Crowley Cold Spring Harbor, NY <i>Support for the 1st International Ferroptosis Meeting to be held November 26-30, 2018 in Suzhou, China</i>	10,000.00 43456 8/15/2018	PC
(A) Medical Sciences Chordoma Foundation Mr. Josh Sommer Greensboro, NC <i>Support for the 2018 International Chordoma Research Workshop, Cambridge, Massachusetts, March 22-23, 2018</i>	5,000.00 42518 2/15/2018	PC
University of North Carolina-Chapel Hill Dr. Glenn K. Matsushima, Ph.D. Chapel Hill, NC 27516	5,000.00 43345 7/16/2018	GOV

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<i>Support for the multiple sclerosis research meeting, UNC Lineberger Comprehensive Cancer Center, August 2018</i>		
Gordon Research Conferences		
Dr. David Cortez, Ph.D.		
<i>Support for the 2019 Mammalian DNA Repair Gordon Research Conference in Ventura, California, February 10-15, 2019</i>	10,000.00 43346 7/16/2018	PC
Codman Academy Foundation		
Ms Meg Campbell		
Dorchester, MA 02124	1,500.00 43447 8/15/2018	PC
<i>Gift on behalf of Burroughs Wellcome Fund's Physician-Scientist Institutional Award program advisory committee member, Emery N. Brown, M.D., Ph.D.</i>		
American Foundation for Suicide Prevention		
Mr. Robert Gebbia		
New York, NY	5,000.00 43015 5/15/2018	PC
<i>Support for AFSP's mission to save lives and bring hope to those affected by suicide in lieu of honorarium for CAMS advisory committee member Sarah H. Lisanby, M.D.</i>		
(A) Medical Sciences		
Virginia Polytechnic Institute and State University		
Dr. Niyousha Hosseinichimeh, Ph.D.		
Blacksburg, VA	10,000.00 42861 4/12/2018	GOV
<i>Support for a research proposal entitled: Multi-method approach to understand interventions that reduce infant mortality</i>		
Association for Clinical and Translational Science		
Mr. Dale West		
Washington, DC	20,000.00 41844 10/13/2017	GOV
<i>Support for young investigators' travel to the 2018 Translational Science meeting, Washington, DC, April 18-21, 2018</i>		
University of Toronto Faculty of Medicine		
Mr. Chris Adamson		
Canada	15,000.00 41846 10/13/2017	PC
<i>Support for the 2017 annual general meeting of CITAC and CSCI, November 20-22, 2017,</i>		

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<i>Toronto, Ontario, Canada</i>		
Keystone Symposia	30,000.00	PC
Dr. Irelene P. Ricks, Ph.D.	42206	
Silverthorne, CO	12/14/2017	
<i>Support for 2018 underrepresented early career scientist travel awards and fellows program</i>		
American Physician Scientists Association (APSA)	30,000.00	PC
Ms. Renee Russo	42020	
Urbana, IL	11/15/2017	
<i>Support for the APSA annual meeting, Chicago, Illinois, April 20-22, 2018</i>		
Federation of American Societies for Experimental Biology	10,000.00	PC
Dr. Julie A Brill, Ph.D.	42390	
MD	1/15/2018	
<i>Support for the FASEB conference on Phospholipids. Dynamic Lipid Signaling in Health and Disease, July 29 - August 3, 2018, Steamboat Springs, Colorado</i>		
University of North Carolina-Chapel Hill Lineberger Comprehensive Cancer Center	2,500.00	GOV
	42017	
Dr. Al S. Baldwin, Ph.D.	11/15/2017	
Chapel Hill, NC		
<i>Support for the 42nd annual UNC Lineberger Comprehensive Cancer Center Symposium. Genome Instability in Cancer Mechanisms and Therapeutic Opportunities, April 2-3, 2018</i>		
Baylor College of Medicine	5,000.00	PC
Ms. Sylvia Yvonne Gonzalez	41855	
Houston, TX	10/13/2017	
<i>Support for the Alexander R Matzuk 2017-2018 speaker series in lieu of honorarium for CAMS advisory member Martin M Matzuk, M.D., Ph.D.</i>		
<u>(A) New Ventures Initiative</u>		
Council for Entrepreneurial Development	500.00	PC
Ms. Vicki Schebell	41859	
334 Blackwell St., Suite B012	10/13/2017	

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Durham, NC 27701 <i>Support for Women-Focused Angel Investing Event</i> Council for Entrepreneurial Development Ms. Robin Costello 334 Blackwell St., Suite B012 Durham, NC 27701 <i>Support for the Council for Entrepreneurial Development's 2018 Life Science Conference to be held February 27-28, 2018 in Raleigh, North Carolina</i>	25,000.00 42016 11/15/2017	PC
(A) Regulatory Science National Academy of Sciences Carolyn Shore, Ph.D. Washington, DC <i>Support for the National Academies' Forum on Drug Discovery, Development, and Translation in 2018</i>	30,000.00 43173 6/15/2018	PC
American Thoracic Society Jason Thomason, MD, FCCP, D-ABSM 25 Broadway, 18th Floor New York, NY 10004 <i>Support for the North Carolina Thoracic Society (NCTS) 2018 Annual Conference</i>	5,000.00 43347 7/16/2018	PC
Human Vaccines Project Mr. Theodore Schenkelberg <i>Support for the Universal Influenza Vaccine Summit on the Centennial of the 1918 Influenza Pandemic</i>	5,000.00 43451 8/15/2018	PC
LaunchBio Joan Siefert Rose Attn: Carla Hingos Durham, NC 27701 <i>Support for LaunchBio workshops in 2018</i>	10,000.00 42395 1/15/2018	PC
(A) Regulatory Science Society of Toxicology Ms. Laura Helm	2,500.00 42245	PC

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1821 Michael Faraday Drive Suite 300 Reston, VA 20190 <i>Support for the 2018 Society of Toxicology Annual Meeting to be held March 11-15, 2018 at the Henry B. Gonzalez Convention Center in San Antonio, Texas</i>	12/14/2017	
MidSouth Computational Biology and Bioinformatics Society (MCBIOS) Weida Tong, Ph.D. <i>Support for the travel of young professionals to attend the MAQC Society (Massive Analysis and Quality Control) 2nd annual meeting in February 2018</i>	5,000.00 42246 12/14/2017	PC
National Academy of Sciences Sarah Beachy, Ph.D. Washington, DC <i>Support for the Forum on Regenerative Medicine in 2018</i>	30,000.00 42247 12/14/2017	PC
American Society for Clinical Pharmacology & Therapeutics Ms. Sharon Swan Alexandria, VA <i>Support of the Darrell Abernethy Young Investigator Award</i>	15,000.00 42516 2/15/2018	PC
International Society for Stem Cell Research Ms. Cathy Vijeh 5215 Old Orchard Road Suite 270 Skokie, IL 60077 <i>Support for sponsorship of the plenary session Stem Cell Based Disease Modeling at the International Society for Stem Cell Research 2018 Annual Meeting in Melbourne, Australia June 20-23, 2018</i>	15,000.00 42519 2/15/2018	PC
Arkansas Research Alliance Bryan Barnhouse 1125 Oak Street, Suite 301 Conway, AR 72032 <i>Support for the 2018 Global Regulatory Summit</i>	30,000.00 42521 2/15/2018	GOV

(A) Reproductive Science

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Marine Biological Laboratory (MBL) Dr. Sebastien T Laye Woods Hole, MA	25,000.00 43344 7/16/2018	PC
<i>Support for the 2018 FIR symposium</i> Society for the Study of Reproduction Ms. Saima K. Hedrick, MPH	20,000.00 43005 5/15/2018	PC
<i>Support for travel fellowships and diversity committee activities at the annual meeting, July 10-13, 2018, New Orleans, Louisiana</i> Society for the Study of Reproduction Ms. Saima K. Hedrick, MPH	25,000.00 43006 5/15/2018	PC
<i>Support for SSR's golden anniversary to promote collaboration between reproductive science societies, advance research, and increase awareness of the reproductive sciences, July 10-13, 2018, New Orleans, Louisiana</i> Washington University Dr. Kelle H. Moley, M.D. Saint Louis, MO	50,000.00 41991 11/15/2017	PC
<i>Support for RSDP scholars (Drs. Owen and Tsai) research related expenses from July 2017 to June 2018</i> Washington University Dr. Kelle H. Moley, M.D. Saint Louis, MO	25,000.00 41992 11/15/2017	PC
<i>Support for the annual RSDP scholar retreat October 2017, Boulder, Colorado, committee meetings, and scholars dinner March 2018, San Diego, California</i> Washington University Dr. Kelle H. Moley, M.D. Saint Louis, MO	25,000.00 41993 11/15/2017	PC
<i>Support for the 2017-2018 SEED grant program for phase II RSDP scholars</i> Rutgers, The State University of New Jersey Dr. Karen Ailene Schindler, Ph.D. <i>Support for Reproductive Scientists for Women's Health - from pre-conception to the cradle, March 2018</i>	15,000.00 42236 12/14/2017	GOV

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Society for Reproductive Investigation Ms Anne N. Krolkowski Milwaukee, WI	15,000.00 42001 11/15/2017	PC
<i>Support for the annual scientific meeting, March 7-10, 2018, San Diego, California</i> Marine Biological Laboratory (MBL) Dr Mario Ascoli, Ph.D. Woods Hole, MA	191,000.00 42499 2/15/2018	PC
<i>Support for the 2016-2018 sessions of the Frontiers in Reproduction course</i> (A) Science Education North Carolina Science Olympiad Mrs. Kim Gervase Raleigh, NC	50,000.00 43458 8/15/2018	PC
<i>Support for the 2020 National Science Olympiad Tournament</i> (A) Science Education Cumberland County Schools Mrs Heather M Kaiser, Ed.D. Fayetteville, NC	15,000.00 43166 6/15/2018	GOV
<i>Support for CCS Tech Camp 2018 - The Ultimate Destination</i> University of North Carolina-Chapel Hill Dr. Josh Hall, Ph.D. Chapel Hill, NC 27516	3,000.00 42862 4/12/2018	GOV
<i>Support for North Carolina DNA Day 2018</i> North Carolina Alliance for School Leadership Development Dr. Jack J. Hoke Raleigh, NC	2,500.00 42864 4/12/2018	PC
<i>Support for leadership awards</i> North Carolina School of Science and Mathematics Foundation Dr. Jamie L. Lathan, Ph.D. Durham, NC	13,975.00 43354 7/16/2018	PC
<i>Support for the Summer Leadership and Research Experience (SLRE)</i> North Carolina Science Teachers Association	24,950.00 PC	PC

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Mr. Manley W. Midgett NC <i>Support for the 2018 NC Science Teachers Association Professional Development Institutes</i>	43169 6/15/2018	
Public School Forum of North Carolina Mr. Keith Poston Raleigh, NC <i>Full installment of a grant to support the Education Policymakers Research Triangle Institute</i>	150,000.00 42635 3/15/2018	PC
Ms. Edna Wallace Durham, NC <i>Support for the project "Supporting Implementation of Innovative Approaches to Collaborative Leadership in Mathematics"</i>	10,000.00 42392 1/15/2018	PC
Urban Community AgriNomics (UCAN) Mrs. Delphine Sellars Durham, NC <i>Support for Naturally STEM</i>	10,000.00 42393 1/15/2018	PC
Cumberland County Board of Education Ms. Jennifer Graham Fayetteville, NC <i>Support for the Singapore Math Pilot project in Cumberland County schools, including Alderman Road Elementary School and Gray's Creek Elementary School</i>	50,000.00 42856 4/12/2018	GOV
North Carolina Science Fair Foundation Mr. Manley W. Midgett Raleigh, NC <i>Support for the North Carolina Science & Engineering Fair 2018</i>	8,000.00 42693 3/15/2018	PC
Professional Engineers of North Carolina Education Foundation Mr. Gary Ray Taylor Raleigh, NC <i>Support for the North Carolina Future City Competition</i>	8,000.00 42695 3/15/2018	PC
University of North Carolina-Chapel Hill School of Education	9,312.50	GOV

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Dr. Rita O'Sullivan Chapel Hill, NC <i>Support for 2017-2018 CASMT Evaluation</i>	2/15/2018 42517	
University of North Carolina-Chapel Hill School of Education Dr. Rita O'Sullivan Chapel Hill, NC <i>Support for 2017-2018 CASMT Evaluation</i>	9,312.50 42852 4/12/2018	GOV
University of North Carolina-Chapel Hill School of Education Dr. Rita O'Sullivan Chapel Hill, NC <i>Support for 2017-2018 CASMT Evaluation</i>	9,312.50 43160 6/15/2018	GOV
University of North Carolina-Chapel Hill School of Education Dr. Rita O'Sullivan Chapel Hill, NC <i>Support for 2017-2018 CASMT Evaluation</i>	9,312.50 43437 8/15/2018	GOV
North Carolina Society of Hispanic Professionals Ms. Neyra M Toledo Osoru Cary, NC <i>Support for 2018 sponsorship of NCSHP Educational Programs for Hispanic Youth</i>	4,500.00 42701 3/15/2018	PC
National Association of Academies of Science Mr. Ed M. Brogie Annandale, VA <i>Support for the American Junior Academy of Sciences to host pre-college STEM leaders at the annual AAAS meeting</i>	3,500.00 42242 12/14/2017	PC
EducationNC Ms. Mebane Rash Raleigh, NC <i>Support for general operating support for EdNC's focus on STEM</i>	25,000.00 42007 11/15/2017	PC
North Carolina State University College of Sciences Foundation Ms. Pamela Olivia Gilchrist Raleigh, NC	5,000.00 42018 11/15/2017	PC

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<i>Support for Imhotep Academy's Quadracentennial (25th) Anniversary Science, Technology, Engineering and Mathematics (STEM) Career Symposium</i>		
North Carolina Department of Public Instruction		
Mrs. Felicia Gray-Watson		
Raleigh, NC	12/14/2017	5,000.00 42238 GOV
<i>Support for the STEM Recognition program</i>		
Mount Olive College		
Dr. Sara Elisabeth Lahman, Ph D.		1,000.00 41858 PC
<i>University of Mount Olive STEM on the Green</i>	10/13/2017	10,000.00 41842 PC
Durham Colored Library, Inc.		
Mrs. Constance Eileen Welch		
<i>DCL's Virtual Children's STEM Magazine</i>	10/13/2017	25,000.00 41999 PC
North Carolina Alliance for School Leadership Development		
Dr. Jack J. Hoke		
Raleigh, NC	11/15/2017	4,000.00 41716 GOV
<i>Support for the Emerging Trends/Future Focused Schools Network</i>		
Friends of the North Carolina State Museum of Natural Sciences		
Ms. Leah Wu Fell		
Raleigh, NC	9/14/2017	40,000.00 41774 GOV
<i>Support for Investreaning and discussion guides for RACE speaker series</i>		
Wilkes County Schools		
Mrs. Kim Bell		
North Wilkesboro, NC	10/13/2017	30,000.00 41773 GOV
<i>Singapore Math Project - North Wilkesboro Elementary School - Wilkes County School District</i>		
Cumberland County Board of Education		
Ms. Joni Wiggins		
Fayetteville, NC	10/13/2017	23,000.00 GOV
<i>Cumberland County Schools' Singapore Math Pilot Project at Gallberry Farm Elementary School</i>		
McDowell County Schools		

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Ms. Tiffany Hall Marion, NC <i>Building a Strong Math Foundation Through Constructing, Drawing, and Solving, a proposal by Eastfield Global Magnet School, McDowell County Schools</i> Region O Council for the Advancement of Minorities in Engineering (ROCAME) Mr. Tony Eugene Carter <i>Support for a grant to update ROCAME Robotics Platform</i> North Carolinas Northeast Economic Development Foundation Mr. Bruce Middleton, M.Ed. Kinston, NC <i>Support for STEM East Science Action Clubs</i> North Carolina Department of Public Instruction Dr. Cynthia M. Martin Raleigh, NC <i>Support for the 2016-2018 Teacher of the Year Program</i> (A) Science Policy Research!America Ms. Mary Woolley Alexandria, VA <i>Support for the Research!America Internship Program</i> Queen's University Dr. A. M. Herzberg Kingston, ON Canada <i>Support for the Conferences on Statistics, Science and Public Policy</i> (A) Science, Math, and Technology Science Champion North Carolina Alliance for School Leadership Development Dr. Jack J. Hoke Raleigh, NC <i>Support for the Science Materials and Professional Development Center</i> North Carolina Alliance for School Leadership Development	41775 10/13/2017 9/14/2017 10/13/2017 9/14/2017 7/16/2018 8/15/2018 10/13/2017	PC PC GOV PC GOV PC PC

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Dr. Jack J. Hoke Raleigh, NC <i>Support for the Science Materials and Professional Development Center</i> North Carolina Alliance for School Leadership Development	42826 4/12/2018 125,000.00 43144	PC
Dr. Jack J. Hoke Raleigh, NC <i>Support for the Science Materials and Professional Development Center</i> North Carolina Alliance for School Leadership Development	6/15/2018 10,000.00 41998	PC
Dr. Jack J. Hoke Raleigh, NC <i>Support for the third cohort of the Digital Leadership Institute for Superintendents</i> <u>(A) Science, Math, and Technology Science Champion</u> North Carolina Alliance for School Leadership Development	11/15/2017 25,000.00 42000	PC
Dr. Jack J. Hoke Raleigh, NC <i>Support for the second cohort of the Aspiring Superintendent Program</i> North Carolina School of Science and Mathematics Foundation Ms. Amy L. Sheck, Ph.D. Durham, NC <i>Support for the North Carolina Student Academy of Science Delegation to the AAAS/AJAS Annual Meeting</i> Public School Forum of North Carolina	11/15/2017 10,000.00 41997	PC
Mr. Keith Poston Raleigh, NC <i>Support for the North Carolina International Science Challenge</i> North Carolina Association for Biomedical Research Ms. Suzanne Wood Wilkison Raleigh, NC <i>Support for the Bridging the Gap 2017 STEM Education Conference</i> North Carolina State University Foundation Ms. Kelly Vogel	12/14/2017 20,000.00 42239 10,000.00 42240 1,500.00 41715	PC

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San Francisco, CA <i>Support for the Bruce M. Alberts Endowed Chair in Biochemistry and Biophysics for Science and Education (7900869) in honor of Dr. Bruce Alberts</i>	5/15/2018	
(A) Special Award		
University of Houston College of Pharmacy		
Dr. Vincent Tam, Pharm.D. Houston, TX	10,000.00 41854 10/13/2017	GOV
<i>Support for recovery efforts from Hurricane Harvey for the laboratory of Dr. Vincent Tam</i>		
University of Houston		
Dr. Diana Shu-Lian Chow, Ph.D. Houston, TX	10,000.00 42015 11/15/2017	PC
<i>Support for recovery efforts for laboratories damaged during Hurricane Harvey and the building of needed collaborations</i>		
<u>Career Award at the Scientific Interface</u>		
Trustees of Princeton University		
Jing Yan, Ph.D. Princeton, NJ	35,000.00 42493 2/15/2018	PC
<i>Resolving and analyzing living bacterial biofilms at the single cell level</i>		
Memorial Sloan-Kettering Cancer Center		
Ashley M. Laughney Bakhoun, Ph.D. New York, NY 10017	35,000.00 42495 2/15/2018	PC
<i>Uncovering transcriptional vulnerabilities in latent metastasis</i>		
Stanford University		
Bo Wang, Ph.D. San Francisco, CA	35,000.00 42472 2/15/2018	PC
<i>In vivo imaging and functional genomic analysis of stem cells in human parasitic worm schistosoma</i>		
Pennsylvania State University		
Xin Zhang, Ph.D. University Park, PA	70,000.00 43407 8/15/2018	GOV
<i>Scrutinizing the cellular and molecular mechanisms that create and maintain the</i>		

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<i>functional proteome using chemical probes</i> UC Regents of the University of California Ariana E Anderson, Ph.D. Box 957089, 1125 Murphy Hall 405 Hilgard Avenue Los Angeles, CA 90095-7089 <i>It's all in your head. Isolating the placebo effect in the brain to reduce drug development costs</i>	60,000.00 43410 8/15/2018	GOV
Stanford University Lacramioara Bintu, Ph.D. San Francisco, CA <i>Dynamics of epigenetic regulation at the single-cell level</i>	60,000.00 42484 2/15/2018	PC
Stanford University Lacramioara Bintu, Ph.D. San Francisco, CA <i>Dynamics of epigenetic regulation at the single-cell level</i>	60,000.00 43412 8/15/2018	PC
Stanford University Alistair Nicol Boettiger, Ph.D. San Francisco, CA <i>Direct imaging of the nanoscale structural organization of chromatin as shaped by developmental signals</i>	60,000.00 43411 8/15/2018	PC
Stanford University Alistair Nicol Boettiger, Ph.D. San Francisco, CA <i>Direct imaging of the nanoscale structural organization of chromatin as shaped by developmental signals</i>	60,000.00 42483 2/15/2018	PC
Regents of the University of California Markita Patricia Landry, Ph.D. San Francisco, CA 94143 <i>Synthetic antibodies for real-time monitoring of cellular protein imbalances and protein misfolding</i>	60,000.00 41805 10/13/2017	PC

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Regents of the University of California Markita Patricia Landry, Ph.D. San Francisco, CA 94143 <i>Synthetic antibodies for real-time monitoring of cellular protein imbalances and protein misfolding</i>	60,000.00 42489 2/15/2018	PC
Regents of the University of California Markita Patricia Landry, Ph.D. San Francisco, CA 94143 <i>Synthetic antibodies for real-time monitoring of cellular protein imbalances and protein misfolding</i>	60,000.00 43272 7/16/2018	PC
Northwestern University Monica M Laronda, Ph.D. Chicago, IL <i>Engineering an artificial ovary to restore fertility and endocrine function in cancer survivors</i>	60,000.00 42490 2/15/2018	PC
Northwestern University Monica M Laronda, Ph.D. Chicago, IL <i>Engineering an artificial ovary to restore fertility and endocrine function in cancer survivors</i>	60,000.00 43417 8/15/2018	PC
Georgia Tech Research Corporation Dr. Francisco (Paco) Eduardo Robles, Ph.D. Atlanta, GA <i>Molecular imaging based on the linear and nonlinear refractive index for biomedical applications</i>	60,000.00 42488 2/15/2018	SO III FI
Georgia Tech Research Corporation Dr. Francisco (Paco) Eduardo Robles, Ph.D. Atlanta, GA <i>Molecular imaging based on the linear and nonlinear refractive index for biomedical applications</i>	60,000.00 43416 8/15/2018	SO III FI
Trustees of Boston University	60,000.00	PC

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Allyson E Sgro, Ph.D. PO Box 28763 New York, NY 10087 <i>Greater as a whole: bridging intracellular signaling and population behaviors in collective systems</i>	2/15/2018	42487
Trustees of Boston University Allyson E Sgro, Ph.D. PO Box 28763 New York, NY 10087 <i>Greater as a whole: bridging intracellular signaling and population behaviors in collective systems</i>	8/15/2018	60,000.00 43415 PC
Northeastern University Vivek Venkatachalam, Ph.D. Boston, MA <i>Lifetime behavior and neurophysiology in C. elegans</i>	8/15/2018	60,000.00 43414 PC
Northeastern University Vivek Venkatachalam, Ph.D. Boston, MA <i>Lifetime behavior and neurophysiology in C. elegans</i>	2/15/2018	60,000.00 42486 PC
Northeastern University Vivek Venkatachalam, Ph.D. Boston, MA <i>Lifetime behavior and neurophysiology in C. elegans</i>	10/13/2017	60,000.00 41803 PC
President and Fellows of Harvard College Christina May Woo, Ph.D. Boston, MA <i>Expansion of the druggable proteome understanding proteome-wide small molecule-- protein interactions</i>	2/15/2018	60,000.00 42485 PC
President and Fellows of Harvard College Christina May Woo, Ph.D. Boston, MA	8/15/2018	60,000.00 43413 PC

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<i>Expansion of the druggable proteome understanding proteome-wide small molecule-- protein interactions</i>		
Regents of the University of California		PC
Mr Hernan G. Garcia, Ph.D.	35,000.00	
San Francisco, CA 94143	42792	
<i>Wiring up the synthetic fly</i>		
University of Pennsylvania		PC
Matthew C Good, Ph D.	52,500.00	
Philadelphia, PA	42478	
<i>Cell size and shape dependence of intracellular assembly and signaling</i>		
University of Pennsylvania		PC
Matthew C Good, Ph D.	52,500.00	
Philadelphia, PA	43406	
<i>Cell size and shape dependence of intracellular assembly and signaling</i>		
Board of Trustees of the Leland Stanford Junior University		PC
Dr. Surya Ganguli, Ph.D.	33,000.00	
<i>The expression and acquisition of sequence memory in neuronal networks</i>	42995	
Trustees of the University of Pennsylvania		PC
Eleni Katifori, Ph.D.	60,000.00	
Philadelphia, PA	42469	
<i>Robustness and optimality in loopy biological distribution networks</i>		
Cornell University		PC
Buz M. Barstow, Ph.D.	65,000.00	
Ithaca, NY	42471	
<i>Evolving the limits of metabolism and in vivo catalysis</i>		
Cornell University		PC
Buz M. Barstow, Ph.D.	65,000.00	
Ithaca, NY	43247	
<i>Evolving the limits of metabolism and in vivo catalysis</i>		
Regents of the University of California		PC
Sergey A. Kryazhimskiy, Ph.D.	60,000.00	
	41960	

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San Francisco, CA 94143 <i>Predicting evolution in microbial populations</i> Regents of the University of California Sergey A. Kryazhinskiy, Ph.D. San Francisco, CA 94143 <i>Predicting evolution in microbial populations</i> University of Washington Jesse G. Zalatan, Ph.D. Seattle, WA <i>Entropic contributions to efficiency in biochemical networks</i> Washington University School of Medicine Gregory R. Bowman, Ph.D. Saint Louis, MO <i>Decrypting cryptic allosteric sites resulting from protein flexibility</i> Washington University School of Medicine Gregory R. Bowman, Ph.D. Saint Louis, MO <i>Decrypting cryptic allosteric sites resulting from protein flexibility</i> Trustees of Columbia University in the City of New York Karen E. Kasza, Ph.D. New York, NY <i>Mechanical cues coordinating cell behaviors during morphogenesis</i> Georgia Tech Research Corporation Gabriel A. Kwong, Ph.D. Atlanta, GA <i>Nanoparticles that amplify biomarkers in vivo for ultrasensitive metastasis monitoring</i> Georgia Tech Research Corporation Gabriel A. Kwong, Ph.D. Atlanta, GA <i>Nanoparticles that amplify biomarkers in vivo for ultrasensitive metastasis monitoring</i> California Institute of Technology	11/15/2017 5/15/2018 2/15/2018 8/15/2018 2/15/2018 6/15/2018 2/15/2018 8/15/2018	PC GOV PC PC PC SO III FI SO III FI PC
	60,000.00 42996	
	60,000.00 42470	
	60,000.00 43402	
	50,000.00 42473	
	60,000.00 43125	
	60,000.00 42475	
	60,000.00 43403	
	50,000.00	

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Mikhail G Shapiro, Ph.D Pasadena, CA <i>Genetically encoded reporters for sensitive non-invasive imaging of biological function</i> California Institute of Technology Mikhail G. Shapiro, Ph.D Pasadena, CA	41776 10/13/2017 50,000.00 42793	PC
<i>Genetically encoded reporters for sensitive non-invasive imaging of biological function</i> University of Utah Paul A. Sigala, Ph.D Salt Lake City, UT <i>Mechanistic probes of heme metabolism in malaria parasites</i> University of Utah Paul A. Sigala, Ph.D. Salt Lake City, UT	60,000.00 43254 60,000.00 42474	GOV
<i>Mechanistic probes of heme metabolism in malaria parasites</i> Trustees of the University of Pennsylvania Eleni Katifori, Ph.D. Philadelphia, PA <i>Robustness and optimality in loopy biological distribution networks</i> Harvard Medical School Amit Choudhary, Ph D. Boston, MA <i>Snakes, antioxidants, and diabetes</i> Harvard Medical School Amit Choudhary, Ph.D. Boston, MA <i>Snakes, antioxidants, and diabetes</i> University of California-San Diego Prashant Mali, Ph D. La Jolla, CA <i>Engineering normal and diseased liver organogenesis</i>	70,000.00 43400 60,000.00 42477 60,000.00 43405 10,000.00 42480	PC PC PC PC GOV

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University of Washington Elizabeth A Nance, Ph.D. Seattle, WA	60,000.00 41792 10/13/2017	GOV
<i>Nanoparticle-mediated targeted therapies for pediatric brain disorders</i> University of Washington Elizabeth A Nance, Ph.D. Seattle, WA	60,000.00 42802 4/12/2018	GOV
<i>Nanoparticle-mediated targeted therapies for pediatric brain disorders</i> Yale University School of Medicine E. Hesper Rego, Ph D. New Haven, CT	60,000 00 41793 10/13/2017	PC
<i>Drug use on the single cell level differential antibiotic susceptibility of mycobacterial cells using fluorescent reporters</i> Yale University School of Medicine E. Hesper Rego, Ph.D. New Haven, CT	60,000.00 42803 4/12/2018	PC
<i>Drug use on the single cell level: differential antibiotic susceptibility of mycobacterial cells using fluorescent reporters</i> University of Maryland-College Park Kimberly Murley Stroka, Ph.D. College Park, MD	60,000.00 43409 8/15/2018	GOV
<i>Engineering blood-brain barrier mechanobiology in tumor metastasis</i> University of Maryland-College Park Kimberly Murley Stroka, Ph.D. College Park, MD	60,000 00 42482 2/15/2018	GOV
<i>Engineering blood-brain barrier mechanobiology in tumor metastasis</i> Washington University Michael D. Vahey, Ph.D. Saint Louis, MO	60,000.00 42998 5/15/2018	PC
<i>Uncovering the dynamics of enveloped virus assembly</i> Pennsylvania State University	60,000.00	GOV

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Xin Zhang, Ph.D. University Park, PA <i>Scrutinizing the cellular and molecular mechanisms that create and maintain the functional proteome using chemical probes</i>	2/15/2018 42479	
University of California-San Diego Prashant Mali, Ph.D. La Jolla, CA <i>Engineering normal and diseased liver organogenesis</i>	40,000.00 42481 2/15/2018	GOV
<u>Career Award at the Scientific Interface</u> University of California-San Diego Prashant Mali, Ph.D. La Jolla, CA <i>Engineering normal and diseased liver organogenesis</i>	50,000.00 43408 8/15/2018	GOV
Northeastern University Vivek Venkatachalam, Ph.D. Boston, MA <i>Engineering normal and diseased liver organogenesis</i>	25,053.00 41964 11/15/2017	PC
<i>Lifetime behavior and neurophysiology in C elegans</i> Johns Hopkins University Amy Wesolowski, Ph.D. Baltimore, MD <i>Impact of human travel on infectious disease dynamics</i>	13,939.70 41967 11/15/2017	PC
New York University Dr. David Schneider New York, NY 10003 <i>Neural circuits for making predictions and learning from mistakes</i>	9,498.56 42498 2/15/2018	PC
University of Texas-Austin Dr. Adrienne Marie Rosales, Ph.D. Austin, TX <i>Dynamic viscoelastic hydrogels to study mechanisms of fibrosis</i>	22,689.00 41823 10/13/2017	GOV
University of Maryland-College Park Dr. Gregg A Duncan, Ph.D.	60,000.00 41685	GOV

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College Park, MD <i>Microscale airway surface liquid interactions and their role in obstructive lung diseases</i> University of Maryland-College Park Dr. Gregg A Duncan, Ph D. College Park, MD <i>Microscale airway surface liquid interactions and their role in obstructive lung diseases</i> University of Washington Kelley Harris, Ph.D. Seattle, WA <i>Decoding the evolutionary history of DNA replication fidelity from whole genome sequences</i> University of Washington Kelley Harris, Ph D. Seattle, WA <i>Decoding the evolutionary history of DNA replication fidelity from whole genome sequences</i> President and Fellows of Harvard College Po-Ru Loh, Ph.D. Boston, MA <i>Toward an early-warning system for leukemia. Characterizing mosaic copy number abnormalities</i> Regents of the University of California Priya Moorjani, Ph.D San Francisco, CA 94143 <i>Learning about the rate and chronology of human evolution</i> Trustees of Columbia University in the City of New York Ashok Litwin-Kumar, Ph.D. New York, NY <i>Modeling distributed olfactory learning in rodents and insects</i> Rockefeller University Amy Elizabeth Shyer, Ph.D.	9/14/2017 3/15/2018 1/15/2018 7/16/2018 3/15/2018 3/15/2018 8/15/2018	GOV GOV GOV PC PC PC PC
	60,000.00 42614 60,000.00 42385 60,000.00 43286 60,000.00 42617 60,000.00 42616 60,000.00 43426 60,000.00 43424	

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New York, NY	8/15/2018	
<i>Investigating mechano-chemical mechanisms of mesenchymal morphogenesis in skin and bone</i>		
University of Texas-Austin		GOV
Alexander G Huth, Ph.D.	60,000.00	
Austin, TX	42610	
<i>Comprehensive functional mapping of human cortex using generative models</i>		
University of Texas-Austin		GOV
Alexander G Huth, Ph.D.	60,000.00	
Austin, TX	41966	
<i>Comprehensive functional mapping of human cortex using generative models</i>		
Northwestern University		PC
Arthur Prindle, Ph.D	60,000.00	
Chicago, IL	42611	
<i>Electrical signaling and multicellular organization</i>		
Northwestern University		PC
Arthur Prindle, Ph.D.	60,000.00	
Chicago, IL	42382	
<i>Electrical signaling and multicellular organization</i>		
University of Texas-Austin		GOV
Dr. Adrienne Marie Rosales, Ph.D.	60,000.00	
Austin, TX	41670	
<i>Dynamic viscoelastic hydrogels to study mechanisms of fibrosis</i>		
University of Texas-Austin		GOV
Dr. Adrienne Marie Rosales, Ph.D.	60,000.00	
Austin, TX	42496	
<i>Dynamic viscoelastic hydrogels to study mechanisms of fibrosis</i>		
University of Texas-Austin		GOV
Dr. Adrienne Marie Rosales, Ph.D.	60,000.00	
Austin, TX	43419	
<i>Dynamic viscoelastic hydrogels to study mechanisms of fibrosis</i>		
	8/15/2018	

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New York University	60,000.00	PC
Dr. David Schneider	42497	
New York, NY 10003		
<i>Neural circuits for making predictions and learning from mistakes</i>		
New York University	60,000.00	PC
Dr. David Schneider	43145	
New York, NY 10003		
<i>Neural circuits for making predictions and learning from mistakes</i>		
Johns Hopkins University	60,000.00	PC
Amy Wesolowski, Ph.D.	43285	
Baltimore, MD		
<i>Impact of human travel on infectious disease dynamics</i>		
Johns Hopkins University	60,000.00	PC
Amy Wesolowski, Ph.D.	42381	
Baltimore, MD		
<i>Impact of human travel on infectious disease dynamics</i>		
Johns Hopkins University	60,000.00	PC
Amy Wesolowski, Ph.D.	41669	
Baltimore, MD		
<i>Impact of human travel on infectious disease dynamics</i>		
Regents of the University of California	60,000.00	PC
Weijian Yang, Ph.D.	43001	
San Francisco, CA 94143		
<i>Holographic mapping and manipulation of neuronal microcircuits</i>		
Board of Regents of the University of Wisconsin System	35,000.00	GOV
Tatiana V Mishanina, Ph.D.	42501	
Milwaukee, WI		
<i>Visual-kinetic studies of pausing by bacterial RNA polymerase using time-resolved cryo-EM</i>		
Regents of the University of California	35,000.00	PC
Amy M Weeks, Ph.D.	42506	

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Main Cashiers Office, 900 University Ave Student Services Bldg. 1111 Riverside, CA 92521	2/15/2018	
<i>Untangling the protease web: Chemical and enzymatic probes for dissection of proteolytic signaling in immune cells</i>		
Regents of the University of California Amy M Weeks, Ph.D.	35,000.00 43425	PC
Main Cashiers Office, 900 University Ave Student Services Bldg. 1111 Riverside, CA 92521	8/15/2018	
<i>Untangling the protease web: Chemical and enzymatic probes for dissection of proteolytic signaling in immune cells</i>		
Regents of the University of California Amy Elizabeth Shyer, Ph D 2195 Hearst Avenue, Room 130 Berkeley, CA 94720-1103	35,000.00 42505	PC
<i>Investigating mechano-chemical mechanisms of mesenchymal morphogenesis in skin and bone</i>	2/15/2018	
California Institute of Technology Octavio Mondragon-Palomino, Ph.D. Pasadena, CA	35,000.00 42502	PC
<i>In situ dissection of bacteria-bacteria interactions on the mucosa of the mammalian gut</i>		
California Institute of Technology Octavio Mondragon-Palomino, Ph.D. Pasadena, CA	35,000.00 43420	PC
<i>In situ dissection of bacteria-bacteria interactions on the mucosa of the mammalian gut</i>	8/15/2018	
Trustees of Columbia University in the City of New York Ashok Litwin-Kumar, Ph.D. New York, NY	35,000.00 42507	PC
<i>Modeling distributed olfactory learning in rodents and insects</i>	2/15/2018	
Stanford University	35,000.00	PC

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Felix JH Hol, Ph.D. San Francisco, CA <i>Eco-evolutionary dynamics of mosquito-borne viruses</i>	11/15/2017 41968	
Stanford University Felix JH Hol, Ph.D. San Francisco, CA <i>Eco-evolutionary dynamics of mosquito-borne viruses</i>	35,000.00 42504 2/15/2018	PC
Stanford University Felix JH Hol, Ph.D. San Francisco, CA <i>Eco-evolutionary dynamics of mosquito-borne viruses</i>	35,000.00 43422 8/15/2018	PC
Rockefeller University Felipe Garcia Quiroz, Ph.D. New York, NY <i>Repetitive elements of life. from genomes to proteins and material systems</i>	35,000.00 42615 3/15/2018	PC
University of Washington Scott E Boyken, Ph.D. Seattle, WA <i>Programmable protein interaction specificity to engineer and interrogate cellular signaling</i>	35,000.00 43421 8/15/2018	GOV
University of Washington Scott E Boyken, Ph.D. Seattle, WA <i>Programmable protein interaction specificity to engineer and interrogate cellular signaling</i>	35,000.00 42503 2/15/2018	GOV
Massachusetts Institute of Technology Shahrazad Yazdi, Ph.D. Cambridge, MA <i>Bridging the origin and function of flows in developmental biology</i>	35,000.00 43433 8/15/2018	PC
Board of Trustees of the Leland Stanford Junior University Gozde Durmus, D.Phil., Ph D.	35,000.00 43432	PC

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<i>Levitating rare biological materials to decode the fundamentals</i>		
UC Regents of the University of California	35,000.00	GOV
Calin Plesa, Ph.D.	43434	
Box 957089, 1125 Murphy Hall		
405 Hilgard Avenue		
Los Angeles, CA 90095-7089		
<i>Ubiquitous biosensing through engineered histidine kinases</i>		
Emory University	35,000.00	PC
Chiamaka Denise Okafor, Ph.D.	43430	
Atlanta, GA		
<i>Targeting steroid receptors by uncovering evolutionary mechanisms of activation</i>		
California Institute of Technology	35,000.00	PC
Dr. Walter Gabriel Gonzalez, Ph.D.	43435	
Pasadena, CA		
<i>Dynamic control of brain activity and behavioral robustness</i>		
Massachusetts Institute of Technology	35,000.00	PC
Silvia Rouskin, Ph.D.	43436	
Cambridge, MA		
<i>Understanding RNA structure heterogeneity and its role in gene expression and disease</i>		
Massachusetts Institute of Technology	35,000.00	PC
Geoffrey Schiebinger, Ph.D.	43429	
Cambridge, MA		
<i>Analyzing developmental processes with optimal transport</i>		
Regents of the University of California	35,000.00	PC
Nicolas Christian Pegard, Ph.D.	43431	
San Francisco, CA 94143		
<i>Computational optical interfaces for neurosciences and systems biology</i>		
University of Texas-Austin	60,709.00	GOV
Alexander G Huth, Ph.D.	42494	
Austin, TX		
<i>Comprehensive functional mapping of human cortex using generative models</i>		
	2/15/2018	

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University of California-Davis Weijian Yang, Ph.D. Davis, CA	5,438.00 43418 8/15/2018	GOV
<i>Holographic mapping and manipulation of neuronal microcircuits</i> University of California-Berkeley Priya Moorjani, Ph.D. Berkeley, CA	4,493.00 43423 8/15/2018	GOV
<i>Learning about the rate and chronology of human evolution</i> <u>Career Award for Science and Mathematics Teachers</u> New Hanover County Schools Ms. Elizabeth Frances Foreman Wilmington, NC	15,000.00 42832 4/12/2018	GOV
<i>Career Award for Science and Mathematics Teachers. Elizabeth Foreman</i> Johnston County Schools Mrs. Lauren McLeod Strickland Smithfield, NC	15,000.00 42833 4/12/2018	GOV
<i>Improving Teaching & Learning through Professional Learning Labs</i> Duplin County Schools Mr. Kirk Kennedy Kenansville, NC	15,000.00 42834 4/12/2018	GOV
<i>Biology Education through CASMT</i> Winston-Salem Forsyth County Schools Mr. Brad Thomas Rhew Winston-Salem, NC	15,000.00 42835 4/12/2018	GOV
<i>Mind Gardens: Cultivating Literacy and Leadership through Science Inquiry</i> <u>Career Award for Science and Mathematics Teachers</u> Alamance-Burlington School System Ms. Melaine B. Rickard Burlington, NC	15,000.00 42836 4/12/2018	GOV
<i>Learning, Doing, Transforming, Leading: Becoming a STEM School</i> Chapel Hill - Carrboro City Schools	15,000.00 GOV	GOV

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Mrs. Tomika R. Altman-Lewis Chapel Hill, NC <i>The Power of STEM. Using STEM to Change the Mindset of Students and Empower Educators.</i>	42818 4/12/2018	
Chapel Hill - Carrboro City Schools Mrs. Tomika R. Altman-Lewis Chapel Hill, NC <i>The Power of STEM Using STEM to Change the Mindset of Students and Empower Educators.</i>	15,000.00 41965 11/15/2017	GOV
Union County Public Schools Mr. Christopher Shannon Fisher Monroe, NC <i>Math Science 360</i>	15,000.00 41778 10/13/2017	GOV
Union County Public Schools Mr. Christopher Shannon Fisher Monroe, NC <i>Math Science 360</i>	25,000.00 43127 6/15/2018	GOV
Alleghany County Schools Ms. Michelle Wendy Beard Sparta, NC <i>Integrating Technology into the Science classroom to connect classroom learning with future career possibilities.</i>	25,000.00 43126 6/15/2018	GOV
Alleghany County Schools Ms. Michelle Wendy Beard Sparta, NC <i>Integrating Technology into the Science classroom to connect classroom learning with future career possibilities.</i>	15,000.00 41777 10/13/2017	GOV
Buncombe County Schools Mrs. Kimberly Clark Asheville, NC <i>Leading the Way to the Common Core</i>	25,000.00 43128 6/15/2018	GOV

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Buncombe County Schools Mrs. Kimberly Clark Asheville, NC	15,000.00 41779 10/13/2017	GOV
<i>Leading the Way to the Common Core</i> Gaston County Public Schools Ms. Michelle Ellis Gastonia, NC	25,000.00 43129 6/15/2018	GOV
<i>It Takes a Village to Raise Student Achievement</i> Gaston County Public Schools Ms. Michelle Ellis Gastonia, NC	15,000.00 41780 10/13/2017	GOV
<i>It Takes a Village to Raise Student Achievement</i> Exploris Middle School Ms. Sonja Celene Fischer McKay Raleigh, NC	25,000.00 43130 6/15/2018	GOV
<i>DesignEd</i> Exploris Middle School Ms. Sonja Celene Fischer McKay Raleigh, NC	15,000.00 41961 11/15/2017	GOV
<i>DesignEd</i> Wake County Public School System Mrs. Jodi S Riedel Raleigh, NC	15,000.00 41806 10/13/2017	GOV
<i>Food Science from Farm to Fork</i> Wake County Public School System Mrs. Jodi S Riedel Raleigh, NC	15,000.00 42813 4/12/2018	GOV
<i>Food Science from Farm to Fork</i> Cabarrus County Schools Ms. Jennifer Michelle McCarthy Concord, NC	15,000.00 42814 4/12/2018	GOV

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<i>It's Not Just Math: 21st Century Readiness through STEM Integration in Mathematics</i> Cabarrus County Schools Ms. Jennifer Michelle McCarthy Concord, NC	15,000.00 41807 10/13/2017	GOV
<i>It's Not Just Math: 21st Century Readiness through STEM Integration in Mathematics</i> Watauga County Schools Mrs. Katie Mauldin Matthews Boone, NC	15,000.00 41808 10/13/2017	GOV
<i>Science P.A.L.S.: Participating in Active Learning through Science</i> Watauga County Schools Mrs. Katie Mauldin Matthews Boone, NC	15,000.00 42815 4/12/2018	GOV
<i>Science P.A.L.S.: Participating in Active Learning through Science</i> Cumberland County Schools Ms. Rolie 'Andi' Adrienne Webb Fayetteville, NC	15,000.00 42816 4/12/2018	GOV
<i>Meaningful Mathematics for Mastery</i> Cumberland County Schools Ms. Rolie 'Andi' Adrienne Webb Fayetteville, NC	15,000.00 41809 10/13/2017	GOV
<i>Meaningful Mathematics for Mastery</i> Craven County Schools Mr. John D Scarfpin New Bern, NC	15,000.00 41810 10/13/2017	GOV
<i>Engineering the future of STEM education.</i> Craven County Schools Mr. John D Scarfpin New Bern, NC	15,000.00 42817 4/12/2018	GOV
<i>Engineering the future of STEM education</i> Chapel Hill - Carrboro City Schools Mrs. Tomika R. Altman-Lewis	19,460.96 42166	GOV

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Chapel Hill, NC <i>The Power of STEM: Using STEM to Change the Mindset of Students and Empower Educators</i>	12/14/2017	
Career Awards in the Medical Sciences		
Stanford University		PC
Dr. Siddhartha Jaiswal, M.D., Ph.D. San Francisco, CA	70,000.00 42602 3/15/2018	
<i>Elaborating the causal link between clonal hematopoiesis and atherosclerosis</i>		
Stanford University		PC
Dr. Siddhartha Jaiswal, M.D., Ph.D. San Francisco, CA	70,000.00 41661 9/14/2017	
<i>Elaborating the causal link between clonal hematopoiesis and atherosclerosis</i>		
Trustees of Columbia University		PC
Dr. Alejandro Chavez, M.D., Ph.D. New York, NY	70,000.00 41688 9/14/2017	
<i>Novel technologies and their application to neurodegenerative diseases</i>		
Trustees of Columbia University		PC
Dr. Alejandro Chavez, M.D., Ph.D. New York, NY	70,000.00 42621 3/15/2018	
<i>Novel technologies and their application to neurodegenerative diseases</i>		
Regents of the University of California		PC
Dr. Aaron Foster Carlin, M.D., Ph.D. San Francisco, CA 94143	70,000.00 42620 3/15/2018	
<i>Deciphering human innate immune responses to Zika virus infection</i>		
Regents of the University of California		PC
Dr. Aaron Foster Carlin, M.D., Ph.D. San Francisco, CA 94143	70,000.00 42386 1/15/2018	
<i>Deciphering human innate immune responses to Zika virus infection</i>		
Baylor College of Medicine		PC
Dr. Lindsay Catherine Burrage, M.D., Ph.D. Houston, TX	70,000.00 42626 3/15/2018	

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<i>Impaired glycogen metabolism and chronic liver disease in urea cycle disorders</i> Baylor College of Medicine Dr. Lindsay Catherine Burrage, M.D., Ph D. Houston, TX	70,000.00 41831 10/13/2017	PC
<i>Impaired glycogen metabolism and chronic liver disease in urea cycle disorders</i> University of Washington Dr. Whitney Elizabeth Harrington, M.D., Ph D. Seattle, WA	70,000.00 43427 8/15/2018	GOV
<i>Defining the role of maternal cells in fetal and infant immunity to malaria</i> President and Fellows of Harvard College Dr. Mariella Gruber Filbin, M.D., Ph.D. Boston, MA	70,000.00 42380 1/15/2018	PC
<i>Discovering novel epigenetic dependencies in pediatric high-grade glioma</i> President and Fellows of Harvard College Dr. Mariella Gruber Filbin, M.D., Ph.D. Boston, MA	70,000.00 42604 3/15/2018	PC
<i>Discovering novel epigenetic dependencies in pediatric high-grade glioma</i> President and Fellows of Harvard College Dr. Alexander Spektor, M.D., Ph.D. Boston, MA	75,625.00 41663 9/14/2017	PC
<i>The mechanism of DNA damage and chromothripsis from chromosome segregation errors</i> President and Fellows of Harvard College Dr. Alexander Spektor, M.D., Ph.D. Boston, MA	75,625.00 42605 3/15/2018	PC
<i>The mechanism of DNA damage and chromothripsis from chromosome segregation errors</i> President and Fellows of Harvard College Dr. Jonathan Abraham, M D., Ph D. Boston, MA	75,625.00 42599 3/15/2018	PC
<i>Profiling the human antibody response in survivors of viral hemorrhagic fevers</i> University of Pittsburgh Dr. Anita Katherine McElroy, M.D., Ph.D.	70,000.00 41633	PC

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Pittsburgh, PA	9/14/2017	
<i>Defining the roles of CD4+ T cells in generating a protective immune response against Rift Valley fever virus</i>		
University of Pittsburgh		
Dr. Anita Katherine McElroy, M.D., Ph.D.	70,000.00 42586	PC
Pittsburgh, PA	3/15/2018	
<i>Defining the roles of CD4+ T cells in generating a protective immune response against Rift Valley fever virus</i>		
St. Jude Children's Research Hospital		
Dr. Rhea Myers Sumpter, Jr., M.D., Ph.D.	85,000.00 41629	PC
Memphis, TN	9/14/2017	
<i>A novel role for FANCC in selective autophagy</i>		
St. Jude Children's Research Hospital		
Dr. Rhea Myers Sumpter, Jr., M.D., Ph.D.	85,000.00 42582	PC
Memphis, TN	3/15/2018	
<i>A novel role for FANCC in selective autophagy</i>		
Regents of the University of California		
Dr. Dhakshin Ramanathan, M.D., Ph.D.	70,000.00 42607	PC
San Francisco, CA 94143	3/15/2018	
<i>Role of spindle oscillations in modulating neural plasticity and procedural memory consolidation</i>		
Regents of the University of California		
Dr. Dhakshin Ramanathan, M.D., Ph.D.	70,000.00 41665	PC
San Francisco, CA 94143	9/14/2017	
<i>Role of spindle oscillations in modulating neural plasticity and procedural memory consolidation</i>		
Trustees of the University of Pennsylvania		
Dr. Vijay Garud Bhoj, M.D., Ph.D.	47,500.00 41686	PC
Philadelphia, PA	9/14/2017	
<i>Development of CAR T-cell immunotherapy for prevention and eradication of FVIII inhibitors in Hemophilia A</i>		

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Trustees of the University of Pennsylvania Dr. Vijay Garud Bhoj, M.D., Ph.D. Philadelphia, PA	47,500.00 42618 3/15/2018	PC
<i>Development of CAR T-cell immunotherapy for prevention and eradication of FVIII inhibitors in Hemophilia A</i>		
Trustees of the University of Pennsylvania Dr. Kara Noelle Maxwell, M.D., Ph.D. Philadelphia, PA	47,500.00 41687 9/14/2017	PC
<i>A genotype-phenotype study of tumors from patients with inherited mutations in DNA repair genes</i>		
Trustees of the University of Pennsylvania Dr. Kara Noelle Maxwell, M.D., Ph.D. Philadelphia, PA	47,500.00 42619 3/15/2018	PC
<i>A genotype-phenotype study of tumors from patients with inherited mutations in DNA repair genes</i>		
University of Washington Dr. Anoop Patel, M.D. Seattle, WA	70,000.00 41689 9/14/2017	GOV
<i>Deep interrogation and modeling of intratumoral heterogeneity, plasticity, and tumor evolution in glioblastoma</i>		
University of Washington Dr. Anoop Patel, M.D. Seattle, WA	70,000.00 42622 3/15/2018	GOV
<i>Deep interrogation and modeling of intratumoral heterogeneity, plasticity, and tumor evolution in glioblastoma</i>		
University of Texas Southwestern Medical Center-Dallas Dr. Tamia Alisha Harris-Tryon, M.D., Ph.D. Dallas, TX	70,000.00 41690 9/14/2017	GOV
<i>The Function of Resistin Like Molecule alpha (RELMalpha) in Cutaneous Host Defense</i>		
University of Texas Southwestern Medical Center-Dallas Dr. Tamia Alisha Harris-Tryon, M.D., Ph.D.	70,000.00 42623	GOV

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Dallas, TX <i>The Function of Resistin Like Molecule alpha (RELMalpha) in Cutaneous Host Defense</i> President and Fellows of Harvard College Dr. Kent William Mouw, M.D., Ph.D. Boston, MA <i>Investigating the effect of ERCC2 mutations on DNA repair capacity and chemo- radiotherapy response in muscle-invasive bladder cancer</i> President and Fellows of Harvard College Dr. Kent William Mouw, M.D., Ph.D. Boston, MA <i>Investigating the effect of ERCC2 mutations on DNA repair capacity and chemo- radiotherapy response in muscle-invasive bladder cancer</i> University of California-Los Angeles Dr. Tamer Sallam, M.D., Ph.D. Los Angeles, CA <i>Spatial control of nuclear receptor regulatory circuits in cardiovascular disease</i> University of California-Los Angeles Dr. Tamer Sallam, M.D., Ph.D. Los Angeles, CA <i>Spatial control of nuclear receptor regulatory circuits in cardiovascular disease</i> Washington University Dr. Jennifer M Alexander-Brett, M.D., Ph.D. Saint Louis, MO <i>Targeting the Regulatory Mechanism of the Nucleokine IL-33</i> Washington University Dr. Jennifer M Alexander-Brett, M.D., Ph.D. Saint Louis, MO <i>Targeting the Regulatory Mechanism of the Nucleokine IL-33</i> University of Washington Dr. James Toliver Bennett, M.D., Ph.D. Seattle, WA	70,000.00 41691 9/14/2017 70,000.00 42624 3/15/2018 70,000.00 42625 3/15/2018 70,000.00 41830 10/13/2017 75,625.00 41638 9/14/2017 75,625.00 42592 3/15/2018 70,000.00 42593 3/15/2018	PC PC PC PC PC PC PC GOV

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<i>Impact of Somatic Mutations on Birth Defects</i> University of Washington Dr. James Toliver Bennett, M.D., Ph.D. Seattle, WA	70,000.00 41639 9/14/2017	GOV
<i>Impact of Somatic Mutations on Birth Defects</i> President and Fellows of Harvard College Dr. Shadmehr Demehri, M.D., Ph.D. Boston, MA	70,000.00 41640 9/14/2017	PC
<i>Local and Systemic Effects of TSLP on Cancer</i> University of Tennessee Health Science Center College of Medicine Dr. Charles Gawad, M.D., Ph.D. Memphis, TN	70,000.00 41641 9/14/2017	GOV
<i>Defining the Cellular and Genetic Origins of Childhood Acute Lymphoblastic Leukemia using Single-Cell Genomics</i> University of Tennessee Health Science Center College of Medicine Dr. Charles Gawad, M.D., Ph.D. Memphis, TN	70,000.00 42594 3/15/2018	GOV
<i>Defining the Cellular and Genetic Origins of Childhood Acute Lymphoblastic Leukemia using Single-Cell Genomics</i> Trustees of the University of Pennsylvania Dr. Rajan Jain, M.D Philadelphia, PA	70,000.00 41646 9/14/2017	PC
<i>Nuclear lamina-chromatin interactions are drivers of cardiac progenitor cell commitment</i> President and Fellows of Harvard College Dr. Joseph Douglas Mancias, M.D., Ph.D. Boston, MA	70,000.00 41644 9/14/2017	PC
<i>Role of ferritinophagy in iron metabolism and pancreatic cancer</i> Yale University Dr. Bluma J. Lesch, M.D., Ph.D. New Haven, CT	85,000.00 41811 10/13/2017	PC
<i>Evolutionary and functional characterization of poised chromatin in the mammalian germ</i>		

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Yale University Dr. Bluma J. Lesch, M.D., Ph.D. New Haven, CT <i>Evolutionary and functional characterization of poised chromatin in the mammalian germ line</i>	85,000.00 42595 3/15/2018	PC
Memorial Sloan-Kettering Cancer Center Dr. Andrew Michael Intlekofer, M.D., Ph.D. New York, NY 10017 <i>Investigating L-2-hydroxyglutarate production and its relevance to normal hematopoiesis and leukemogenesis</i>	75,625.00 43000 5/15/2018	PC
Memorial Sloan-Kettering Cancer Center Dr. Andrew Michael Intlekofer, M.D., Ph.D. New York, NY 10017 <i>Investigating L-2-hydroxyglutarate production and its relevance to normal hematopoiesis and leukemogenesis</i>	75,625.00 41660 9/14/2017	PC
Memorial Sloan-Kettering Cancer Center Dr. Andrew Michael Intlekofer, M.D., Ph.D. New York, NY 10017 <i>Investigating L-2-hydroxyglutarate production and its relevance to normal hematopoiesis and leukemogenesis</i>	75,625.00 42601 3/15/2018	PC
Regents of the University of California Dr. Alexander Marson, M.D., Ph.D. San Francisco, CA 94143 <i>Molecular characterization of non-coding genetic variants that promote human autoimmunity</i>	70,000.00 41668 9/14/2017	PC
Regents of the University of California Dr. Alexander Marson, M.D., Ph.D. San Francisco, CA 94143 <i>Molecular characterization of non-coding genetic variants that promote human autoimmunity</i>	70,000.00 42609 3/15/2018	PC

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President and Fellows of Harvard College Dr. Seth Rakoff-Nahoum, M.D., Ph.D. Boston, MA	75,625.00 41666 9/14/2017	PC
<i>Gut microbiota ecological interaction networks in health and disease</i> President and Fellows of Harvard College Dr. Seth Rakoff-Nahoum, M.D., Ph.D. Boston, MA	75,625.00 42608 3/15/2018	PC
<i>Gut microbiota ecological interaction networks in health and disease</i> Regents of the University of California Dr. Tiffany Crawford Scharschmidt, M.D. San Francisco, CA 94143	70,000.00 41664 9/14/2017	PC
<i>Elucidating mechanisms of immune tolerance to skin commensal bacteria</i> Regents of the University of California Dr. Tiffany Crawford Scharschmidt, M.D. San Francisco, CA 94143	70,000.00 42606 3/15/2018	PC
<i>Elucidating mechanisms of immune tolerance to skin commensal bacteria</i> Regents of the University of California Dr. Devanand Sadanand Manoli, M.D., Ph.D. San Francisco, CA 94143	70,000.00 41667 9/14/2017	PC
<i>Genetic models of social attachment in development and mental illness</i> Regents of the University of California Dr. Bruce Mao Zheng Wang, M.D. San Francisco, CA 94143	70,000.00 41662 9/14/2017	PC
<i>Wnt signaling and hepatocyte stem cells in liver homeostasis and cancer</i> Regents of the University of California Dr. Bruce Mao Zheng Wang, M.D. San Francisco, CA 94143	70,000.00 42603 3/15/2018	PC
<i>Wnt signaling and hepatocyte stem cells in liver homeostasis and cancer</i> President and Fellows of Harvard College Dr. Jonathan Abraham, M.D., Ph.D. Boston, MA	95,000.00 41658 9/14/2017	PC

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<i>Profiling the human antibody response in survivors of viral hemorrhagic fevers</i> Regents of the University of California Dr. Heidi Leigh Cook-Andersen, M.D., Ph.D. San Francisco, CA 94143	70,000.00 42600 3/15/2018	PC
<i>Post-transcriptional gene regulation during the mammalian oocyte-to-embryo transition</i> Regents of the University of California Dr. Heidi Leigh Cook-Andersen, M.D., Ph.D. San Francisco, CA 94143	70,000.00 41659 9/14/2017	PC
<i>Post-transcriptional gene regulation during the mammalian oocyte-to-embryo transition</i> Yale University School of Medicine Dr. Karin Elisabeth Finberg, M.D., Ph.D. New Haven, CT	8,402.56 41617 9/14/2017	PC
<i>Finberg, Karin -- Identification of Novel Genetic Regulators of Mammalian Iron Homeostasis</i> Weill Medical College of Cornell University Dr. Marc Inielinski, M.D., Ph.D. New York, NY	70,000.00 42590 3/15/2018	PC
<i>Reconstructing complex loci in lung adenocarcinoma with large-insert whole genome sequencing</i> University of California-San Francisco Dr. Anna Victoria Rotberg Molofsky, M.D., Ph.D. San Francisco, CA	70,000.00 41642 9/14/2017	GOV
<i>Astrocyte-Encoded Regional cues in Developmental Synapse Formation</i> Weill Medical College of Cornell University Dr. Matthew Blake Greenblatt, M.D., Ph.D. New York, NY	70,000.00 41643 9/14/2017	PC
<i>Novel Mechanisms of Bone Formation</i> Washington University Dr. Kory Joshua Lavine, M.D., Ph.D. Saint Louis, MO	70,000.00 41645 9/14/2017	PC
<i>Distinct Macrophage Lineages Govern Cardiac Recovery and Heart Failure Progression</i>		

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Trustees of the University of Pennsylvania Dr. Matthew Stern Kayser, M.D., Ph.D. Philadelphia, PA	70,000.00 41647 9/14/2017	PC
<i>A role for sleep in synapse development and susceptibility to neuropsychiatric disorders</i> Trustees of the University of Pennsylvania Dr. Matthew Stern Kayser, M.D., Ph.D. Philadelphia, PA	70,000.00 42596 3/15/2018	PC
<i>A role for sleep in synapse development and susceptibility to neuropsychiatric disorders</i> Vanderbilt University Dr. James Edward Cassat, M.D., Ph.D. Nashville, TN	70,000.00 41631 9/14/2017	PC
<i>Cassat, James - The contribution of host and pathogen to altered bone homeostasis and bacterial survival during osteomyelitis</i> Regents of the University of Michigan Dr. Jason Knight, M.D., Ph.D. MI	70,000.00 41635 9/14/2017	PC
<i>Knight, Jason -- Innate immunity in the pathogenesis of lupus and antiphospholipid vasculopathy</i> Regents of the University of Michigan Dr. Jason Knight, M.D., Ph.D. MI	70,000.00 42591 3/15/2018	PC
<i>Knight, Jason -- Innate immunity in the pathogenesis of lupus and antiphospholipid vasculopathy</i> Vanderbilt University Medical Center Dr. Gautam Bhawe, M.D., Ph.D. Dallas, TX	70,000.00 42350 1/15/2018	PC
<i>Role of Peroxidasin and Protein Halogenation in Diabetic Nephropathy</i> Vanderbilt University Medical Center Dr. Gautam Bhawe, M.D., Ph.D. Dallas, TX	70,000.00 42580 3/15/2018	PC
<i>Role of Peroxidasin and Protein Halogenation in Diabetic Nephropathy</i>		

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University of Washington Dr. Ajai Arvind Dandekar, M.D., Ph.D. Seattle, WA	70,000.00 41962 11/15/2017	GOV
<i>Dandekar, Ajai - Quorum sensing and mechanisms to ensure cooperation in the opportunistic pathogen Pseudomonas aeruginosa</i> University of Washington Dr. Ajai Arvind Dandekar, M.D., Ph.D. Seattle, WA	70,000.00 42581 3/15/2018	GOV
<i>Dandekar, Ajai - Quorum sensing and mechanisms to ensure cooperation in the opportunistic pathogen Pseudomonas aeruginosa</i> President and Fellows of Harvard College Dr. Andrew Eugene Hermann Elia, M.D., Ph.D. Boston, MA	70,000.00 42583 3/15/2018	PC
<i>Elia, Andrew -- Proteomic analysis of ubiquitination and protein stability in the DNA damage response</i> University of North Carolina-Chapel Hill School of Medicine Dr. Gaorav P Gupta, M.D., Ph.D. Chapel Hill, NC	70,000.00 42584 3/15/2018	PC
<i>Gupta, Gaorav -- DNA Damage Responses in Breast Cancer Pathogenesis</i> University of North Carolina-Chapel Hill School of Medicine Dr. Gaorav P Gupta, M.D., Ph.D. Chapel Hill, NC	70,000.00 42351 1/15/2018	PC
<i>Gupta, Gaorav -- DNA Damage Responses in Breast Cancer Pathogenesis</i> Duke University Dr. Christina Eleanor Barkauskas, M.D. Durham, NC	75,625.00 41630 9/14/2017	PC
<i>Barkauskas, Christina -- Epithelial-mesenchymal crosstalk in lung fibrosis and alveolar homeostasis</i> Duke University Dr. Christina Eleanor Barkauskas, M.D. Durham, NC	75,625.00 42585 3/15/2018	PC

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<i>Barkauskas, Christina -- Epithelial-mesenchymal crosstalk in lung fibrosis and alveolar homeostasis</i>		
Trustees of the University of Pennsylvania		PC
Dr. Ethan Michael Goldberg, M.D., Ph.D.	75,625.00	
Philadelphia, PA	42587	
<i>Goldberg, Ethan -- Analysis of circuit function informs novel therapeutic interventions in an epilepsy model</i>	3/15/2018	
University of Cincinnati		PC
Dr. Theresa Alenghat, D.V.M., Ph.D.	70,000.00	
Cincinnati, OH	43404	
<i>Alenghat, Theresa - Epigenomic regulation of the host-commensal relationship</i>		
University of Washington		GOV
Dr. Kevin Jon Cheung, M.D.	70,000.00	
Seattle, WA	41632	
<i>Cheung, Kevin -- Elucidating the role of K14+ leader cells in breast cancer invasion and metastasis</i>	9/14/2017	
Trustees of the University of Pennsylvania		PC
Dr. Malay Halдар, M.D., Ph.D.	70,000.00	
Philadelphia, PA	41634	
<i>Halдар, Malay -- Transcription factor SPI-C at the interface of iron homeostasis and innate immunity.</i>	9/14/2017	
Trustees of the University of Pennsylvania		PC
Dr. Malay Halдар, M.D., Ph.D.	70,000.00	
Philadelphia, PA	42589	
<i>Halдар, Malay -- Transcription factor SPI-C at the interface of iron homeostasis and innate immunity.</i>	3/15/2018	
Duke University		PC
Dr. Sudarshan Rajagopal, M.D., Ph.D.	85,000.00	
Durham, NC	42165	
<i>Rajagopal, Sudarshan -- Dissecting receptor Signaling pathways in pulmonary hypertension</i>	12/14/2017	

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Duke University	85,000.00	PC
Dr. Sudarshan Rajagopal, M.D., Ph.D. Durham, NC	42588 3/15/2018	
<i>Rajagopal, Sudarshan -- Dissecting receptor Signaling pathways in pulmonary hypertension</i>		
Stanford University	70,000.00	PC
Dr. Ellen Yeh, M.D., Ph.D. San Francisco, CA	42579 3/15/2018	
<i>Yeh, Ellen -- Function of the plastid organelle in P. falciparum beyond isoprenoid precursor biosynthesis and blood stage</i>		
Stanford University	70,000.00	PC
Dr. Ellen Yeh, M.D., Ph.D. San Francisco, CA	42342 1/15/2018	
<i>Yeh, Ellen -- Function of the plastid organelle in P. falciparum. beyond isoprenoid precursor biosynthesis and blood stage</i>		
Stanford University	87,500.00	PC
Dr. Ellen Yeh, M.D., Ph.D. San Francisco, CA	43248 7/16/2018	
<i>Yeh, Ellen -- Function of the plastid organelle in P. falciparum beyond isoprenoid precursor biosynthesis and blood stage</i>		
Trustees of Columbia University in the City of New York	85,000.00	PC
Dr. Kelley Yan, M.D., Ph.D. New York, NY	41626 9/14/2017	
<i>Yan, Kelley - Regulation of active and quiescent intestinal stem cells</i>		
Massachusetts General Hospital	70,000.00	PC
Dr. David Tsai Ting, M.D. Boston, MA	42577 3/15/2018	
<i>Ting, David - Characterization of non-coding RNAs in pancreatic adenocarcinoma</i>		
Harvard Medical School	75,625.00	PC
Dr. Benjamin Elison Gewurz, M.D., Ph.D. Boston, MA	41623 9/14/2017	

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<i>Gewurz, Benjamin -- Identification of novel NFkB pathway components important for lymphomagenesis</i>		
Duke University		
Dr. Scott Richard Floyd, M.D., Ph.D.	75,000.00	PC
Durham, NC	41622	
<i>Floyd, Scott -- Insulating chromatin from DNA damage signaling: epigenetic modifications and connections to human cancer</i>		
Duke University		
Dr. Scott Richard Floyd, M.D., Ph.D.	40,000.00	PC
Durham, NC	42576	
<i>Floyd, Scott -- Insulating chromatin from DNA damage signaling: epigenetic modifications and connections to human cancer</i>		
Yale University		
Dr. Karin Elisabeth Finberg, M.D., Ph.D.	67,500.00	PC
New Haven, CT	41616	
<i>Finberg, Karin -- Identification of Novel Genetic Regulators of Mammalian Iron Homeostasis</i>		
University of California-San Francisco		
Dr. Karunesh Ganguly, M.D., Ph.D.	75,625.00	GOV
San Francisco, CA	42571	
<i>Ganguly, Karunesh - Control of a Complex Neuroprosthetic Device using Electrocardiography</i>		
Massachusetts General Hospital		
Dr. Douglas Sun Kwon, M.D., Ph.D.	75,625.00	PC
Boston, MA	42572	
<i>Kwon, Douglas -- New technologies for the study of HIV mucosal immunity and compartmentalization in the female genital tract</i>		
Massachusetts General Hospital		
Dr. Douglas Sun Kwon, M.D., Ph.D.	75,625.00	PC
Boston, MA	41619	
<i>Kwon, Douglas -- New technologies for the study of HIV mucosal immunity and</i>		
	9/14/2017	

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<i>compartmentalization in the female genital tract</i>		
Washington University	75,625.00	PC
Dr. Stacey Lynn Rentschler, M.D., Ph.D.	41618	
Saint Louis, MO	9/14/2017	
<i>Rentschler, Stacey -- The role of notch signaling in preexcitation and arrhythmias</i>		
Baylor College of Medicine	75,625.00	PC
Dr. Joshua Marc Shulman, M.D., Ph.D.	41620	
Houston, TX	9/14/2017	
<i>Exploring the Genetics of Parkinson's Disease in Humans and Drosophila</i>		
Cold Spring Harbor Laboratory	75,625.00	PC
Dr. Christopher Ryan Vakoc, M.D., Ph.D.	41621	
Cold Spring Harbor, NY	9/14/2017	
<i>Vakoc, Christopher -- Identifying epigenetic vulnerabilities in chemotherapy-resistant leukemia</i>		
Brigham and Women's Hospital	75,625.00	PC
Dr. Duane Robert Wesemann, M.D., Ph.D.	43124	
Boston, MA	6/15/2018	
<i>Extramedullary B Cell Development in the Gut Lamina Propria</i>		
Brigham and Women's Hospital	75,625.00	PC
Dr. Duane Robert Wesemann, M.D., Ph.D.	42163	
Boston, MA	12/14/2017	
<i>Extramedullary B Cell Development in the Gut Lamina Propria</i>		
Brigham and Women's Hospital	75,625.00	PC
Dr. Duane Robert Wesemann, M.D., Ph.D.	42573	
Boston, MA	3/15/2018	
<i>Extramedullary B Cell Development in the Gut Lamina Propria</i>		
Massachusetts General Hospital	87,500.00	PC
Dr. Daniel P. Cahill, M.D., Ph.D.	42337	
Boston, MA	1/15/2018	
<i>Translational molecular genetic analyses of chemotherapeutic resistance in human brain tumors</i>		

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Massachusetts General Hospital Dr. Daniel P. Cahill, M.D., Ph.D. Boston, MA <i>Translational molecular genetic analyses of chemotherapeutic resistance in human brain tumors</i>	87,500.00 41613 9/14/2017	PC
University of California-Davis Dr. Emanuel Maverakis, M.D. Davis, CA <i>gC399tr an inhibitor of autoimmunity</i>	75,000.00 41612 9/14/2017	GOV
University of Texas Southwestern Medical Center-Dallas Dr. Nikhil Vilas Munshi, M.D., Ph.D. Dallas, TX <i>Munshi, Nikhil -- Genomic Approaches to Understanding the Cis-Regulatory Architecture of the Atrioventricular Node</i>	70,000.00 41615 9/14/2017	GOV
University of Texas Southwestern Medical Center-Dallas Dr. Nikhil Vilas Munshi, M.D., Ph.D. Dallas, TX <i>Munshi, Nikhil -- Genomic Approaches to Understanding the Cis-Regulatory Architecture of the Atrioventricular Node</i>	70,000.00 42570 3/15/2018	GOV
Johns Hopkins University Dr. Chetan Bettegowda, M.D., Ph.D. Baltimore, MD <i>Bettegowda, Chetan - Translational molecular profiling of oligodendrogliomas</i>	70,000.00 42575 3/15/2018	PC
Career Awards in the Medical Sciences University of Chicago Dr. Michael Thomas Spiotto, M.D., Ph.D. 5841 S. Maryland Ave., MC 5058 Chicago, IL 60637 <i>Spiotto, Michael -- Identification of chromosomal aberrations that cooperate with the human papillomavirus to cause cancer</i>	70,000.00 41624 9/14/2017	PC
University of Texas Southwestern Medical Center-Dallas	70,000.00	GOV

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Dr. Richard Chih-Chien Wang, M.D., Ph.D. Dallas, TX <i>Wang, Richard -- Akt-mediated regulation of autophagy & tumorigenesis through formation of a beclin 1/keratin intermediate filament complex</i> University of Texas Southwestern Medical Center-Dallas	9/14/2017 41625	GOV
Dr. Richard Chih-Chien Wang, M.D., Ph.D. Dallas, TX <i>Wang, Richard -- Akt-mediated regulation of autophagy & tumorigenesis through formation of a beclin 1/keratin intermediate filament complex</i> Massachusetts General Hospital	3/15/2018 70,000.00 42578	GOV
Dr. Daniel P. Cahill, M.D., Ph.D. Boston, MA <i>Translational molecular genetic analyses of chemotherapeutic resistance in human brain tumors</i>	4/12/2018 82,164.16 42790	PC
Massachusetts General Hospital Dr. Daniel P. Cahill, M.D., Ph.D. Boston, MA <i>Translational molecular genetic analyses of chemotherapeutic resistance in human brain tumors</i>	7/16/2018 82,164.16 43245	PC
<u>Career Guidance</u> Iowa State University Dr. Craig Ogilvie Ames, IA <i>Graduate Students Gaining Practical Experience Through Short-Term Team Consulting Projects</i>	8/15/2018 50,000.00 43439	GOV
Clemson University Dr. Taufiqar Khan 401 Rhodes Engineering Research Center Clemson, SC 29634 <i>Math in Medicine Developing Depth and Breadth of Knowledge in Math Sciences PhD Students at Clemson University</i>	8/15/2018 50,000.00 43440	GOV

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Vanderbilt University Dr. Ashley E Brady Nashville, TN	45,202.00 43441 8/15/2018	PC
<i>Data Science Essentials Transitioning Biomedical Scientists from the Bench to the Cloud</i> Trustees of Boston University Dr. Barbara M Schreiber, Ph.D. PO Box 28763 New York, NY 10087	50,000.00 43442 8/15/2018	PC
<i>Training Opportunities To Augment Learning (TOTAL)</i> University of Western Ontario Dr. Souzan Armstrong, D.Phil., Ph.D. London, ON Canada	44,800.00 43443 8/15/2018	PC
<i>Market validation Laboratory and Business Training</i> American Society for Pharmacology and Experimental Therapeutics Dr Catherine Fry Bethesda, MD	30,455.00 43444 8/15/2018	PC
<i>Coaching for Career Development via the ASPET Mentoring Network</i> Ohio State University Dr. Noah Weisleder Columbus, OH	47,000.00 43445 8/15/2018	GOV
<i>Researcher, Mentor, and Teacher: Preparing well rounded scholars</i> <u>Clinical Scientist Award in Translational Research</u> University of Washington Pradeep Singh, M.D. Seattle, WA	75,000.00 42467 2/15/2018	GOV
<i>Gallium as an antimicrobial and anti-biofilm agent: a trojan horse strategy that disrupts bacterial iron metabolism</i> <u>Graduate Diversity Enrichment Program</u> Duke University Mrs. Grace Renee Anderson	2,500.00 41984	PC

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Durham, NC	11/15/2017	
<i>Exploiting collateral sensitivity to target kinase inhibitor-resistant lung cancers</i>		
Duke University	2,500.00	PC
Mr. David Rafael Martinez	41985	
Durham, NC	11/15/2017	
<i>Identifying placental factors that modulate maternal IgG transplacental transfer</i>		
Duke University	2,500.00	PC
Ms. Manuella Rossette Clark-Cotton	41986	
Durham, NC	11/15/2017	
<i>Mechanisms of cell fusion during mating in Saccharomyces cerevisiae</i>		
Graduate Diversity Enrichment Program		
University of North Carolina-Greensboro	2,500.00	GOV
Mr. Joseph Njoroge Mwangi	41987	
Greensboro, NC	11/15/2017	
<i>Using ion mobility mass spectrometry to identify multiple isomeric RNA disease biomarkers</i>		
Duke University	2,500.00	PC
Ms. Christine Vazquez	41988	
Durham, NC	11/15/2017	
<i>Defining how a tyrosine within the hepatitis C virus protease regulates antiviral innate immunity</i>		
East Carolina University	2,500.00	GOV
Ms. Christine Emily Psaltis	41989	
Greenville, NC	11/15/2017	
<i>Identifying the role of prohibitin in preserving organ function during sepsis</i>		
Innovation in Regulatory Science Awards		
Dana Farber Cancer Institute	50,000.00	PC
Brian Michael Alexander, M.D.	41799	
Boston, MA	10/13/2017	
<i>Development of a biomarker enriched adaptive trial for patients with Glioblastoma</i>		
Dana Farber Cancer Institute	50,000.00	PC

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Brian Michael Alexander, M.D Boston, MA	42808 4/12/2018	
<i>Development of a biomarker enriched adaptive trial for patients with Glioblastoma</i>		
University of Wisconsin-Madison		GOV
Randolph S. Ashton, Ph.D. Madison, WI	50,000.00 41800 10/13/2017	
<i>Organoid microarrays for pan-hindbrain and spinal cord screening</i>		
University of Wisconsin-Madison		GOV
Randolph S. Ashton, Ph.D. Madison, WI	50,000.00 42809 4/12/2018	
<i>Organoid microarrays for pan-hindbrain and spinal cord screening</i>		
Duke University Medical Center		PC
J. Matthew Brennan, M.D. Durham, NC t	50,000.00 41963 11/15/2017	
<i>Administrative claims-based efficiencies for the advancement of regulatory sciences</i>		
Duke University Medical Center		PC
J. Matthew Brennan, M.D. Durham, NC t	50,000.00 42810 4/12/2018	
<i>Administrative claims-based efficiencies for the advancement of regulatory sciences</i>		
Board of Regents of the University of Wisconsin System		GOV
Mark E. Burkard, M.D., Ph.D. Milwaukee, WI	50,000.00 41801 10/13/2017	
<i>A chemical-genetic library of human cell lines for evaluating pharmacologic inhibition of protein kinases</i>		
Board of Regents of the University of Wisconsin System		GOV
Mark E. Burkard, M.D., Ph.D. Milwaukee, WI	50,000 00 42811 4/12/2018	
<i>A chemical-genetic library of human cell lines for evaluating pharmacologic inhibition of protein kinases</i>		
The Governing Council of the University of Toronto		PC
Mary R. L'Abbe, Ph.D.	50,000.00 41802	

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Toronto, ON <i>Evaluation of nutrient profiling methods for nutrition regulation</i> The Governing Council of the University of Toronto Mary R. L'Abbe, Ph.D. Toronto, ON	50,000.00 42812 10/13/2017	PC
<i>Evaluation of nutrient profiling methods for nutrition regulation</i> Regents of the University of California Kathleen M. Giacomini, Ph.D. 2195 Hearst Avenue, Room 130 Berkeley, CA 94720-1103	50,000.00 42797 4/12/2018	PC
<i>Systems pharmacology approaches to understanding drug-induced weight gain</i> Regents of the University of California Kathleen M. Giacomini, Ph.D. 2195 Hearst Avenue, Room 130 Berkeley, CA 94720-1103	50,000.00 41782 10/13/2017	PC
<i>Systems pharmacology approaches to understanding drug-induced weight gain</i> University of Wisconsin-Madison Susan Webb Yackee, Ph.D. Madison, WI	50,000.00 41786 10/13/2017	GOV
<i>When politics intrudes on science. regulatory policymaking at the FDA</i> University of Wisconsin-Madison Susan Webb Yackee, Ph.D. Madison, WI	50,000.00 42799 4/12/2018	GOV
<i>When politics intrudes on science regulatory policymaking at the FDA</i> Brigham and Women's Hospital Vishal S. Vaidya, Ph.D. Boston, MA	50,000.00 41785 10/13/2017	PC
<i>Mapping the biology of a damaged kidney cell</i> Brigham and Women's Hospital Vishal S. Vaidya, Ph.D. Boston, MA	50,000.00 42798 4/12/2018	PC

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<i>Mapping the biology of a damaged kidney cell</i> Brigham and Women's Hospital, Inc. Calum Archibald MacRae, M B. Ch.B., Ph.D. Boston, MA	50,000.00 41783 10/13/2017	PC
<i>MacRae, Calum -- Building structure-related prediction algorithms for organ-specific drug toxicity through iterative modeling in novel zebrafish reporter lines</i> Brigham and Women's Hospital, Inc. Calum Archibald MacRae, M B. Ch.B., Ph.D. Boston, MA	50,000.00 43132 6/15/2018	PC
<i>MacRae, Calum -- Building structure-related prediction algorithms for organ-specific drug toxicity through iterative modeling in novel zebrafish reporter lines</i> University of British Columbia Dana V. Devine, Ph.D. Vancouver, BC Canada	50,000.00 42796 4/12/2018	PC
<i>Refreshing the regulatory approach to ensuring the safety and efficacy of blood transfusion products</i> UC Regents of the University of California Patrick Allard, Ph.D. Box 957089, 1125 Murphy Hall 405 Hilgard Avenue Los Angeles, CA 90095-7089	50,000.00 41817 10/13/2017	GOV
<i>Application of novel approaches towards germline toxicity assessment</i> UC Regents of the University of California Patrick Allard, Ph.D. Box 957089, 1125 Murphy Hall 405 Hilgard Avenue Los Angeles, CA 90095-7089	50,000.00 42999 5/15/2018	GOV
<i>Application of novel approaches towards germline toxicity assessment</i> Montana State University Darla M Goeres, Ph.D.	50,000.00 41812	GOV

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Bozeman, MT <i>Methods to assess biofilm prevention on medical devices</i> Montana State University Darla M Goeres, Ph.D. Bozeman, MT <i>Methods to assess biofilm prevention on medical devices</i> Duke University Erich S. Huang, M.D., Ph.D. Durham, NC <i>Provenance Laboratory for Auditable Regulatory Science (POLARIS): auditable antibiotic development with the clinical trials transformation initiative</i> Duke University Erich S. Huang, M.D., Ph.D. Durham, NC <i>Provenance Laboratory for Auditable Regulatory Science (POLARIS): auditable antibiotic development with the clinical trials transformation initiative</i> California Institute of Technology Rustem F. Ismagilov, Ph.D. Pasadena, CA <i>A microfluidic diagnostic platform to advance regulatory science</i> California Institute of Technology Rustem F. Ismagilov, Ph.D. Pasadena, CA <i>A microfluidic diagnostic platform to advance regulatory science</i> Stanford University Joseph C. Wu, M.D., Ph.D. San Francisco, CA <i>Accelerating drug discovery with iPSC cells and small molecule screen</i> Vanderbilt University School of Medicine Sara Lynn Van Driest, M.D., Ph.D. Nashville, TN	10/13/2017 4/12/2018 10/13/2017 4/12/2018 10/13/2017 6/15/2018 10/13/2017 10/13/2017	GOV PC PC PC PC PC PC
	50,000.00 42819	
	50,000.00 41813	
	50,000.00 42820	
	50,000.00 41814	
	50,000.00 43133	
	50,000.00 41816	
	50,000.00 41815	

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<i>Leveraging big data for small patients</i>		
Vanderbilt University School of Medicine Sara Lynn Van Driest, M.D., Ph.D. Nashville, TN	50,000.00 42821 4/12/2018	PC
<i>Leveraging big data for small patients</i>		
University of Rochester Ray Dorsey, M.D. Rochester, NY	50,000.00 41824 10/13/2017	GOV
<i>Incorporating smartphone research applications into clinical trials</i>		
University of Rochester Ray Dorsey, M.D. Rochester, NY	50,000.00 42827 4/12/2018	GOV
<i>Incorporating smartphone research applications into clinical trials</i>		
Massachusetts Institute of Technology Kevin M Esvelt, Ph.D. Cambridge, MA	50,000.00 41825 10/13/2017	PC
<i>A model system to evaluate the dynamics and safety of gene drive applications</i>		
Emory University Christopher Flowers, M.D. Atlanta, GA	50,000.00 41826 10/13/2017	PC
<i>Microsimulation modeling to evaluate the clinical effectiveness of novel cancer therapies</i>		
Emory University Christopher Flowers, M.D. Atlanta, GA	50,000.00 42828 4/12/2018	PC
<i>Microsimulation modeling to evaluate the clinical effectiveness of novel cancer therapies</i>		
Trustees of the University of Pennsylvania Andrew Douglas Maidment, Ph.D. Philadelphia, PA	50,000.00 41827 10/13/2017	PC
<i>VICTRE - Virtual Clinical Trials in The Regulatory Environment</i>		
Trustees of the University of Pennsylvania Andrew Douglas Maidment, Ph.D.	50,000.00 42829	PC

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Philadelphia, PA	4/12/2018	
<i>VICTRE - Virtual Clinical Trials in The Regulatory Environment</i>		
Oregon Health and Science University		PC
Shoukhrat Mitalipov, Ph.D	50,000.00 41828	
Portland, OR	10/13/2017	
<i>Mitochondrial replacement therapy</i>		
Oregon Health and Science University		PC
Shoukhrat Mitalipov, Ph.D.	50,000.00 42830	
Portland, OR	4/12/2018	
<i>Mitochondrial replacement therapy</i>		
University of North Carolina-Chapel Hill		GOV
Merrie Mosedale, Ph.D.	50,000.00 41709	
Chapel Hill, NC 27516	9/14/2017	
<i>Development of an in vitro platform for the evaluation of genetic susceptibility factors associated with adverse drug response</i>		
University of North Carolina-Chapel Hill		GOV
Merrie Mosedale, Ph D.	50,000.00 42627	
Chapel Hill, NC 27516	3/15/2018	
<i>Development of an in vitro platform for the evaluation of genetic susceptibility factors associated with adverse drug response</i>		
Regents of the University of California		PC
Leslie Wilson, Ph.D.	50,000.00 42628	
San Francisco, CA 94143	3/15/2018	
<i>Advancing new methodologies to measure patient preference for regulatory approval of devices</i>		
Regents of the University of California		PC
Leslie Wilson, Ph D.	50,000.00 41710	
San Francisco, CA 94143	9/14/2017	
<i>Advancing new methodologies to measure patient preference for regulatory approval of devices</i>		
San Diego State University Research Foundation		SO III FI
	50,000.00	

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John W Ayers, Ph D. 5250 Campanile Drive San Diego, CA 92182 <i>Increasing citizen participation in e-rulemaking by harnessing social media</i> President and Fellows of Harvard College Florence T. Bourgeois, MD, MPH Boston, MA <i>Pediatric regulatory policy. advancing timely and rigorous evaluation of medicines for children</i> President and Fellows of Harvard College Florence T. Bourgeois, MD, MPH Boston, MA <i>Pediatric regulatory policy. advancing timely and rigorous evaluation of medicines for children</i>	41711 9/14/2017 50,000.00 41838 10/13/2017 50,000.00 42842 4/12/2018	PC PC PC
Johns Hopkins University Michael Rosenblum, Ph D. Baltimore, MD <i>Statistical methods and automated software tool for stress-testing adaptive clinical trial designs</i>	50,000.00 41712 9/14/2017	PC
Johns Hopkins University Michael Rosenblum, Ph.D. Baltimore, MD <i>Statistical methods and automated software tool for stress-testing adaptive clinical trial designs</i>	50,000.00 42629 3/15/2018	PC
Institutional Program Unifying Population and Laboratory-based Sciences Albert Einstein College of Medicine, Inc. Dr. Paul R. Marantz, M.D., M.P.H. NY <i>Education Connecting Laboratory Investigation and Population Science at Einstein (eCLIPSE)</i> Albert Einstein College of Medicine, Inc.	262,500.00 41628 9/14/2017 262,500.00	PC PC

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Dr. Paul R. Marantz, M.D., M.P.H. NY <i>Education Connecting Laboratory Investigation and Population Science at Einstein (eCLIPSE)</i>	43401 8/15/2018	
Trustees of Boston University Dr. Lindsay A Farrer, Ph.D. PO Box 28763 New York, NY 10087 <i>Boston University's Transformative Training Program in Addiction Science (TTPAS)</i>	225,512.00 42349 1/15/2018	PC
Trustees of Boston University Dr. Lindsay A Farrer, Ph.D. PO Box 28763 New York, NY 10087 <i>Boston University's Transformative Training Program in Addiction Science (TTPAS)</i>	225,512.00 43253 7/16/2018	PC
Johns Hopkins University Priya Duggal, Ph D Baltimore, MD <i>MD-GEM The Maryland Genetic, Epidemiology, and Medicine Training Program</i>	147,223.00 42348 1/15/2018	PC
Johns Hopkins University Priya Duggal, Ph.D. Baltimore, MD <i>MD-GEM The Maryland Genetic, Epidemiology, and Medicine Training Program</i>	147,223.00 43252 7/16/2018	PC
Regents of the University of Michigan Dr. Betsy Foxman, Ph.D. MI <i>Integrated training in microbial systems (ITiMS)</i>	249,999.00 41797 10/13/2017	PC
Regents of the University of Michigan Dr. Betsy Foxman, Ph.D. MI <i>Integrated training in microbial systems (ITiMS)</i>	250,000.00 42806 4/12/2018	PC
<u>Institutional Program Unifying Population and Laboratory-based Sciences</u>		

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Washington University Dr. Graham A Colditz, M.D. Saint Louis, MO <i>Transdisciplinary training in laboratory and population sciences at Washington University</i>	259,488.00 41796 10/13/2017	PC
Washington University Dr. Graham A. Colditz, M.D. Saint Louis, MO <i>Transdisciplinary training in laboratory and population sciences at Washington University</i>	262,926.00 42805 4/12/2018	PC
University of Rochester Dr. Nancy M Bennett, M.D. Rochester, NY <i>Infection and immunity from molecules to populations</i>	276,233.00 41795 10/13/2017	GOV
University of Rochester Dr. Nancy M Bennett, M.D. Rochester, NY <i>Infection and immunity from molecules to populations</i>	270,245.00 42804 4/12/2018	GOV
Trustees of Dartmouth College Dr. Michael L. Whitfield, Ph.D. Hanover, NH <i>Big data in the life sciences training program</i>	240,237.00 42807 4/12/2018	PC
Trustees of Dartmouth College Dr. Michael L. Whitfield, Ph.D. Hanover, NH <i>Big data in the life sciences training program</i>	244,026.00 41798 10/13/2017	PC
<u>Investigators in Pathogenesis of Infectious Disease</u> Trustees of the University of Pennsylvania Dr. Sara R. Cherry, Ph.D. Philadelphia, PA <i>Systems biology of Alphavirus infection</i>	50,000.00 42791 4/12/2018	PC

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University of Washington Dr. Joseph D. Mougous, Ph.D. Seattle, WA	50,000.00 42341 1/15/2018	GOV
<i>Breaching the commensal barrier to infection with type VI secretion</i> University of Washington Dr. Joseph D. Mougous, Ph.D. Seattle, WA	50,000.00 43399 8/15/2018	GOV
<i>Breaching the commensal barrier to infection with type VI secretion</i> University of Texas Southwestern Medical Center-Dallas Dr. Neal M Alto, Ph.D. Dallas, TX	50,000.00 42343 1/15/2018	GOV
<i>The systems architecture of bacterial effector/host membrane interactions</i> University of Texas Southwestern Medical Center-Dallas Dr. Neal M Alto, Ph.D. Dallas, TX	50,000.00 42997 5/15/2018	GOV
<i>The systems architecture of bacterial effector/host membrane interactions</i> University of Texas-Austin Dr. Christopher S. Sullivan, Ph.D. Austin, TX	50,000.00 42344 1/15/2018	GOV
<i>Herpesvirus immune evasion via non-coding RNA regulatory elements</i> University of Texas-Austin Dr. Christopher S. Sullivan, Ph.D. Austin, TX	50,000.00 43249 7/16/2018	GOV
<i>Herpesvirus immune evasion via non-coding RNA regulatory elements</i> President and Fellows of Harvard College Dr. Sarah M Fortune, M.D. Boston, MA	50,000.00 41627 9/14/2017	PC
<i>Quick change: polarity, diversity and virulence in mycobacterium tuberculosis</i> Children's Hospital Boston Dr. Jonathan C Kagan, Ph.D. Boston, MA	50,000.00 42345 1/15/2018	PC

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<i>Novel approaches to study RIG-I like receptor mediated antiviral immunity</i> Children's Hospital Boston Dr. Jonathan C. Kagan, Ph.D. Boston, MA	50,000.00 43250 7/16/2018	PC
<i>Novel approaches to study RIG-I like receptor mediated antiviral immunity</i> University of Texas Southwestern Medical Center-Dallas Dr. Julie K. Pfeiffer, Ph.D. Dallas, TX	50,000.00 42346 1/15/2018	GOV
<i>How gut microbes enhance enteric virus infectivity</i> University of Texas Southwestern Medical Center-Dallas Dr. Julie K. Pfeiffer, Ph.D. Dallas, TX	50,000.00 43251 7/16/2018	GOV
<i>How gut microbes enhance enteric virus infectivity</i> Regents of the University of California Dr. Emily R. Troemel, Ph.D. San Francisco, CA 94143	50,000.00 42352 1/15/2018	PC
<i>Microsporidia virulence factors exploit host cell physiology</i> Emory University Dr. David S. Weiss, Ph.D. Atlanta, GA	50,000.00 43255 7/16/2018	PC
<i>A novel RNAl-like system controls bacterial innate immune evasion and virulence.</i> University of Massachusetts Dr. Abraham L. Brass, M.D., Ph.D. MA	50,000.00 42357 1/15/2018	GOV
<i>Defining dengue virus's dependencies. discovery and characterization of host factors required for viral replication</i> University of Massachusetts Dr. Abraham L. Brass, M.D., Ph.D. MA	50,000.00 42794 4/12/2018	GOV
<i>Defining dengue virus's dependencies discovery and characterization of host factors required for viral replication</i>		

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Trustees of the University of Pennsylvania Dr. Dustin Brisson, D.Phil., Ph.D. Philadelphia, PA	50,000.00 42358 1/15/2018	PC
<i>Evolution of original antigenic sin in lyme disease</i> Trustees of the University of Pennsylvania Dr. Dustin Brisson, D.Phil., Ph.D. Philadelphia, PA	50,000.00 43259 7/16/2018	PC
<i>Evolution of original antigenic sin in lyme disease</i> Board of Trustees of the University of Illinois Dr. Michael J. Federle, Ph.D.	50,000.00 42795 4/12/2018	GOV
<i>Interspecies communication among commensal and pathogenic bacteria</i> Board of Trustees of the University of Illinois Dr. Michael J. Federle, Ph.D.	50,000.00 42359 1/15/2018	GOV
<i>Interspecies communication among commensal and pathogenic bacteria</i> Regents of the University of California Dr. Suzanne M. Noble, M.D., Ph.D. San Francisco, CA 94143	150,000.00 41781 10/13/2017	PC
<i>Discovery of a cell type switch that drives fungal-mammalian commensalism</i> Regents of the University of California Dr. Suzanne M. Noble, M.D., Ph.D. San Francisco, CA 94143	50,000.00 42476 2/15/2018	PC
<i>Discovery of a cell type switch that drives fungal-mammalian commensalism</i> Regents of the University of California Dr. Suzanne M. Noble, M.D., Ph.D. San Francisco, CA 94143	50,000.00 43260 7/16/2018	PC
<i>Discovery of a cell type switch that drives fungal-mammalian commensalism</i> University of Maine Dr. Robert T. Wheeler, Ph.D. Orono, ME	50,000.00 42360 1/15/2018	GOV
<i>Phagocytes block fungal dimorphism to defend the epithelial barrier</i> University of Maine	50,000.00 GOV	GOV

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Dr. Robert T. Wheeler, Ph.D. Orono, ME <i>Phagocytes block fungal dimorphism to defend the epithelial barrier</i> New York University School of Medicine Dr. Victor J. Torres, Ph.D. New York, NY <i>Staphylococcus aureus pore-forming toxins: leukocyte killing and beyond</i> New York University School of Medicine Dr. Victor J. Torres, Ph.D. New York, NY <i>Staphylococcus aureus pore-forming toxins: leukocyte killing and beyond</i> Trustees of Dartmouth College Dr. Robert A. Cramer, Ph.D. Hanover, NH <i>Bioenergetics and microbial pathogenesis sufficiency</i> Trustees of Dartmouth College Dr. Robert A. Cramer, Ph.D. Hanover, NH <i>Bioenergetics and microbial pathogenesis sufficiency</i> University of Washington Dr. Daniel B. Stetson, Ph.D. Seattle, WA <i>Why do DNA viruses cause cancer?</i> University of Washington Dr. Daniel B. Stetson, Ph.D. Seattle, WA <i>Why do DNA viruses cause cancer?</i> Memorial Sloan-Kettering Cancer Center Dr. Tobias Martin Hohl, M.D., Ph.D. New York, NY 10017 <i>Tracing innate control over respiratory and systemic fungal infection</i>	43263 7/16/2018 50,000.00 42361 1/15/2018 50,000.00 43264 7/16/2018 50,000.00 43265 7/16/2018 50,000.00 42362 1/15/2018 50,000.00 42363 1/15/2018 50,000.00 43266 7/16/2018 50,000.00 42367 1/15/2018	PC PC PC PC PC GOV GOV PC

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Memorial Sloan-Kettering Cancer Center Dr. Tobias Martin Hohl, M.D., Ph.D. New York, NY 10017 <i>Tracing innate control over respiratory and systemic fungal infection</i>	50,000.00 43270 7/16/2018	PC
Trustees of Princeton University Dr. Alexei V. Korennykh, Ph.D. Princeton, NJ <i>Systems analysis of pathogen defense mediated by 2',5'-linked isoRNA</i>	50,000.00 43271 7/16/2018	PC
Trustees of Princeton University Dr. Alexei V. Korennykh, Ph.D. Princeton, NJ <i>Systems analysis of pathogen defense mediated by 2',5'-linked isoRNA</i>	50,000.00 42368 1/15/2018	PC
Brown University Dr Richard J. Bennett, Ph.D. Physician's Office Building, 3rd Fl, Suite 328/330 593 Eddy Street Providence, RI 02903 <i>Phenotypic variation and host adaptation by the human fungal pathogen <%Candida albicans%></i>	25,000.00 42468 2/15/2018	PC
University of Rochester Dr. Felix Yarovinsky, M.D. Rochester, NY <i>TLR-independent host resistance to protozoan parasites</i>	50,000.00 42356 1/15/2018	GOV
University of Rochester Dr. Felix Yarovinsky, M.D. Rochester, NY <i>TLR-independent host resistance to protozoan parasites</i>	50,000.00 43258 7/16/2018	GOV
Weill Medical College of Cornell University Dr David Artis, Ph D. New York, NY <i>Tracking helminth-specific immune responses in vivo</i>	25,000.00 43123 6/15/2018	PC

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Regents of the University of Colorado Dr. Sara L. Sawyer, Ph.D. Denver, CO	50,000.00 42355 1/15/2018	PC
<i>The genetics of viral species tropism</i> Regents of the University of Colorado Dr. Sara L. Sawyer, Ph.D. Denver, CO	50,000.00 43257 7/16/2018	PC
<i>The genetics of viral species tropism</i> Memorial Sloan-Kettering Cancer Center Dr. Joseph C. Sun, Ph.D. New York, NY 10017	50,000.00 42176 12/14/2017	PC
<i>Natural killer cell control of cytomegalovirus infection</i> Memorial Sloan-Kettering Cancer Center Dr. Joseph C. Sun, Ph.D. New York, NY 10017	50,000.00 43135 6/15/2018	PC
<i>Natural killer cell control of cytomegalovirus infection</i> President and Fellows of Harvard College Dr. Min Dong, Ph.D. Boston, MA	50,000.00 43138 6/15/2018	PC
<i>Host factors conferring susceptibility to Clostridium difficile toxins</i> President and Fellows of Harvard College Dr. Min Dong, Ph.D. Boston, MA	50,000.00 42179 12/14/2017	PC
<i>Host factors conferring susceptibility to Clostridium difficile toxins</i> Emory University Dr. Christine M. Dunham, Ph.D. Atlanta, GA	50,000.00 42181 12/14/2017	PC
<i>Characterization of pathways involved in bacterial persistence and antibiotic resistance</i> Emory University Dr. Christine M. Dunham, Ph.D. Atlanta, GA	50,000.00 43140 6/15/2018	PC

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<i>Characterization of pathways involved in bacterial persistence and antibiotic resistance</i>		
Trustees of the University of Pennsylvania		PC
Dr. Scott E. Hensley, Ph.D. Philadelphia, PA	50,000.00 42178 12/14/2017	
<i>Effect of maternal antibodies on the neonatal immune response to influenza virus</i>		
Trustees of the University of Pennsylvania		PC
Dr. Scott E. Hensley, Ph.D. Philadelphia, PA	50,000.00 43137 6/15/2018	
<i>Effect of maternal antibodies on the neonatal immune response to influenza virus</i>		
Washington University		PC
Dr. Audrey R. Odom, M.D., Ph.D. Saint Louis, MO	50,000.00 42182 12/14/2017	
<i>Insights into the chemical ecology of malaria parasites</i>		
Washington University		PC
Dr. Audrey R. Odom, M.D., Ph.D. Saint Louis, MO	50,000.00 43141 6/15/2018	
<i>Insights into the chemical ecology of malaria parasites</i>		
Duke University		PC
Dr. Jom Coers, D.Phil., Ph.D. Durham, NC	50,000.00 42177 12/14/2017	
<i>Host-mediated lysis of cytoplasmic pathogens</i>		
Duke University		PC
Dr. Jom Coers, D.Phil., Ph.D. Durham, NC	50,000.00 43136 6/15/2018	
<i>Host-mediated lysis of cytoplasmic pathogens</i>		
University of Utah		GOV
Dr. Nels C. Elde, Ph.D. Salt Lake City, UT	50,000.00 43139 6/15/2018	
<i>A new class of retrogenes modulating pathogenesis</i>		
University of Utah		GOV
Dr. Nels C. Elde, Ph.D.	50,000.00 42180	

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Salt Lake City, UT	12/14/2017	
<i>A new class of retrogenes modulating pathogenesis</i>		
Trustees of Princeton University	50,000.00	PC
Dr. Alexander Ploss, Ph.D.	43134	
Princeton, NJ	6/15/2018	
<i>Breaking species barriers of human hepatotropic pathogens</i>		
Trustees of Princeton University	50,000.00	PC
Dr. Alexander Ploss, Ph.D.	42598	
Princeton, NJ	3/15/2018	
<i>Breaking species barriers of human hepatotropic pathogens</i>		
Rutgers University-Rutgers Biomedical and Health Sciences-New Jersey Medical School	50,000.00	GOV
Dr. Amariliz Rivera, Ph D.	42183	
NJ	12/14/2017	
<i>Mechanisms of bidirectional innate cell licensing in antifungal immunity</i>		
Rutgers University-Rutgers Biomedical and Health Sciences-New Jersey Medical School	50,000.00	GOV
Dr. Amariliz Rivera, Ph.D.	43142	
NJ	6/15/2018	
<i>Mechanisms of bidirectional innate cell licensing in antifungal immunity</i>		
Trustees of the University of Pennsylvania	50,000.00	PC
Dr. Sunny Shin, Ph.D.	43143	
Philadelphia, PA	6/15/2018	
<i>Overcoming pathogen-mediated translation inhibition to enable robust immune defense</i>		
Trustees of the University of Pennsylvania	50,000.00	PC
Dr. Sunny Shin, Ph.D.	42184	
Philadelphia, PA	12/14/2017	
<i>Overcoming pathogen-mediated translation inhibition to enable robust immune defense</i>		
University of Florida	50,000.00	PC
Dr. Liang Zhou, M.D., Ph.D.	42354	
Gainesville, FL	1/15/2018	

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<i>Environmental impact on host-pathogen interaction</i>		
Weill Medical College of Cornell University		PC
Dr David Artis, Ph.D	50,000.00	
New York, NY	42338	
<i>Tracking helminth-specific immune responses in vivo</i>		
Weill Medical College of Cornell University		PC
Dr David Artis, Ph.D.	50,000.00	
New York, NY	42569	
<i>Tracking helminth-specific immune responses in vivo</i>		
Weill Medical College of Cornell University		PC
Dr David Artis, Ph.D.	50,000.00	
New York, NY	41860	
<i>Tracking helminth-specific immune responses in vivo</i>		
Fred Hutchinson Cancer Research Center		PC
Dr. Jesse D Bloom, Ph.D.	50,000.00	
Seattle, WA	42369	
<i>Understanding the stochasticity of viral infection at the level of single cells</i>		
Fred Hutchinson Cancer Research Center		PC
Dr. Jesse D Bloom, Ph.D.	50,000.00	
Seattle, WA	43273	
<i>Understanding the stochasticity of viral infection at the level of single cells</i>		
Trustees of the University of Pennsylvania		PC
Dr. Igor E. Brodsky, Ph.D.	50,000.00	
Philadelphia, PA	42370	
<i>The role of chemokine-chemokine receptor interactions in anti-bacterial protective immunity</i>		
Trustees of the University of Pennsylvania		PC
Dr. Igor E. Brodsky, Ph.D.	50,000.00	
Philadelphia, PA	43274	
<i>The role of chemokine-chemokine receptor interactions in anti-bacterial protective immunity</i>		

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New York University School of Medicine Dr. Ken Cadwell, Ph.D. New York, NY	50,000.00 42371 1/15/2018	PC	
<i>Gene-microbe interactions in inflammatory bowel disease</i> New York University School of Medicine Dr. Ken Cadwell, Ph.D. New York, NY	50,000.00 43275 7/16/2018	PC	
<i>Gene-microbe interactions in inflammatory bowel disease</i> Icahn School of Medicine at Mount Sinai Dr. Matthew J. Evans, Ph.D. New York, NY	50,000.00 42491 2/15/2018	PC	
<i>Determinants of hepatitis C virus persistence</i> Icahn School of Medicine at Mount Sinai Dr. Matthew J. Evans, Ph.D. New York, NY	50,000.00 43276 7/16/2018	PC	
<i>Determinants of hepatitis C virus persistence</i> Yale University Dr. Andrew L Goodman, Ph.D. New Haven, CT	50,000.00 42372 1/15/2018	PC	
<i>Understanding pathogen-commensal interaction in the earliest stages of infection</i> Yale University Dr. Andrew L Goodman, Ph.D. New Haven, CT	50,000.00 43277 7/16/2018	PC	
<i>Understanding pathogen-commensal interaction in the earliest stages of infection</i> UC Regents of the University of California Dr. Elissa A Hallem, Ph.D. Box 957089, 1125 Murphy Hall 405 Hilgard Avenue Los Angeles, CA 90095-7089	50,000.00 42373 1/15/2018	GOV	
<i>Deciphering the interactions between skin-penetrating nematodes and bacteria</i> UC Regents of the University of California	50,000.00 GOV	GOV	

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Dr. Elissa A Hallem, Ph.D. Box 957089, 1125 Murphy Hall 405 Hilgard Avenue Los Angeles, CA 90095-7089 <i>Deciphering the interactions between skin-penetrating nematodes and bacteria</i> President and Fellows of Harvard College Dr. Sun Hur, Ph.D. Boston, MA	43278 7/16/2018 50,000.00 42374 1/15/2018	PC
<i>Mechanism for dsRNA-dependent and -independent activation of the antiviral gene, PKR</i> President and Fellows of Harvard College Dr. Sun Hur, Ph.D. Boston, MA	50,000.00 43279 7/16/2018	PC
<i>Mechanism for dsRNA-dependent and -independent activation of the antiviral gene, PKR</i> University of Texas Southwestern Medical Center-Dallas Dr. Nan Yan, D.Phil. Dallas, TX	50,000.00 43280 7/16/2018	GOV
<i>Innate immune sensing and pathogenesis of cytosolic bacteria</i> University of Massachusetts-Amherst Dr. Li-Jun Ma, Ph.D. 710 North Pleasant St. 913 LGRT Amherst, MA 01003	50,000.00 43281 7/16/2018	GOV
<i>Supernumerary chromosomes and pathogenicity of opportunistic fungal infections</i> University of Massachusetts-Amherst Dr. Li-Jun Ma, Ph.D. 710 North Pleasant St. 913 LGRT Amherst, MA 01003	50,000.00 42375 1/15/2018	GOV
<i>Supernumerary chromosomes and pathogenicity of opportunistic fungal infections</i> Rockefeller University Dr. Luciano A Marraffini, Ph.D.	50,000.00 42376	PC

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New York, NY	1/15/2018	
<i>Effect of type III CRISPR-Cas immunity on phage-mediated staphylococcal pathogenesis</i>		
Rockefeller University		PC
Dr. Luciano A Marraffini, Ph.D.	50,000.00 43282	
New York, NY	7/16/2018	
<i>Effect of type III CRISPR-Cas immunity on phage-mediated staphylococcal pathogenesis</i>		
Rockefeller University		PC
Dr. Daniel Mucida, Ph.D.	50,000.00 42377	
New York, NY	1/15/2018	
<i>Adaptation of immune cells to the gut tissue consequences for immunity and tolerance</i>		
Rockefeller University		PC
Dr. Daniel Mucida, Ph.D.	50,000.00 43283	
New York, NY	7/16/2018	
<i>Adaptation of immune cells to the gut tissue: consequences for immunity and tolerance</i>		
Regents of the University of California		PC
Dr Manuela Raffatellu, M.D.	50,000.00 41637	
San Francisco, CA 94143	9/14/2017	
<i>Characterization of novel populations of neutrophils during bacterial infection</i>		
Regents of the University of California		PC
Dr Manuela Raffatellu, M.D.	50,000 00 42365	
San Francisco, CA 94143	1/15/2018	
<i>Characterization of novel populations of neutrophils during bacterial infection</i>		
Regents of the University of California		PC
Dr Manuela Raffatellu, M.D.	50,000 00 43268	
San Francisco, CA 94143	7/16/2018	
<i>Characterization of novel populations of neutrophils during bacterial infection</i>		
Stanford University		PC
Dr. Michael A. Fischbach, Ph.D.	50,000.00 41636	
San Francisco, CA	9/14/2017	
<i>Novel microbiota-derived molecules that modulate the host immune response</i>		
Stanford University		PC
	50,000 00	

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Dr. Michael A. Fischbach, Ph.D. San Francisco, CA	42364 1/15/2018	
<i>Novel microbiota-derived molecules that modulate the host immune response</i>		
Stanford University		PC
Dr. Michael A. Fischbach, Ph.D. San Francisco, CA	50,000.00 43267 7/16/2018	
<i>Novel microbiota-derived molecules that modulate the host immune response</i>		
Georgia Tech Research Corporation		SO III FI
Marvin Whiteley, Ph.D. Atlanta, GA	50,000.00 41614 9/14/2017	
<i>Mechanistic insight into host modulation of bacterial group activities</i>		
Georgia Tech Research Corporation		SO III FI
Marvin Whiteley, Ph.D. Atlanta, GA	50,000.00 42339 1/15/2018	
<i>Mechanistic insight into host modulation of bacterial group activities</i>		
Georgia Tech Research Corporation		SO III FI
Marvin Whiteley, Ph.D. Atlanta, GA	25,000.00 43246 7/16/2018	
<i>Mechanistic insight into host modulation of bacterial group activities</i>		
University of Georgia Research Foundation, Inc.		PC
Dr. Xiaorong Lin, Ph.D. Athens, GA	50,000.00 42164 12/14/2017	
<i>Fungal communication and pathogenicity</i>		
University of Georgia Research Foundation, Inc.		PC
Dr. Xiaorong Lin, Ph.D. Athens, GA	50,000.00 43131 6/15/2018	
<i>Fungal communication and pathogenicity</i>		
Trustees of the University of Pennsylvania		PC
Dr. DeBroski R. Herbert, Ph.D. Philadelphia, PA	50,000.00 42366 1/15/2018	
<i>Trefoil factor proteins modulate host immunity against hookworms</i>		

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Trustees of the University of Pennsylvania Dr. DeBroski R. Herbert, Ph.D. Philadelphia, PA	50,000.00 43269 7/16/2018	PC
<i>Trefoil factor proteins modulate host immunity against hookworms</i> University of Florida Dr. Liang Zhou, M.D., Ph.D. Gainesville, FL	50,000.00 43256 7/16/2018	PC
<i>Environmental impact on host-pathogen interaction</i> Weill Medical College of Cornell University Dr. Julie Magarian Blander, Ph.D. New York, NY	49,939.67 42574 3/15/2018	PC
<i>Innate immune recognition of vita-PAMPs: a new class of pathogen associated molecular patterns that signifies microbial viability</i> Trustees of Columbia University in the City of New York Dr. Harris H. Wang, Ph.D. New York, NY	50,000.00 43148 6/15/2018	PC
<i>Mapping host-microbe and inter-microbial networks at ultra-high spatial resolution</i> Trustees of Columbia University in the City of New York Dr. Harris H. Wang, Ph.D. New York, NY	25,000.00 42193 12/14/2017	PC
<i>Mapping host-microbe and inter-microbial networks at ultra-high spatial resolution</i> University of Utah Dr. June L. Round, Ph.D. Salt Lake City, UT	50,000.00 43157 6/15/2018	GOV
<i>Influence of the microbiota on neuro-inflammation</i> University of Utah Dr. June L. Round, Ph.D. Salt Lake City, UT	50,000.00 42202 12/14/2017	GOV
<i>Influence of the microbiota on neuro-inflammation</i> Washington University Dr. Christina L. Stallings, Ph.D.	50,000.00 42194	PC

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Saint Louis, MO	12/14/2017	
<i>Consequences of neutrophil-mycobacteria interactions</i>		
Washington University		PC
Dr. Christina L. Stallings, Ph.D.	50,000.00 43149	
Saint Louis, MO	6/15/2018	
<i>Consequences of neutrophil-mycobacteria interactions</i>		
Trustees of Princeton University		PC
Dr. Mohammad R. Seyedsayamdost, Ph.D.	50,000.00 43155	
Princeton, NJ	6/15/2018	
<i>Deciphering the small molecule vocabulary of human microbiome Streptococci</i>		
Trustees of Princeton University		PC
Dr. Mohammad R. Seyedsayamdost, Ph.D.	50,000.00 42200	
Princeton, NJ	12/14/2017	
<i>Deciphering the small molecule vocabulary of human microbiome Streptococci</i>		
Duke University		PC
Dr. Stacy M Horner, Ph.D	50,000.00 42201	
Durham, NC	12/14/2017	
<i>Regulation of antiviral host response by RNA modifications</i>		
Duke University		PC
Dr. Stacy M Horner, Ph.D.	50,000.00 43156	
Durham, NC	6/15/2018	
<i>Regulation of antiviral host response by RNA modifications</i>		
University of Washington		GOV
Dr. Marion Pepper, Ph.D.	50,000.00 42199	
Seattle, WA	12/14/2017	
<i>The development and function of Plasmodium-specific memory B cells</i>		
University of Washington		GOV
Dr. Marion Pepper, Ph.D.	50,000.00 43154	
Seattle, WA	6/15/2018	
<i>The development and function of Plasmodium-specific memory B cells</i>		
Trustees of the University of Pennsylvania		PC

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Dr. Elizabeth A. Grice, Ph.D. Philadelphia, PA <i>Skin microbiome functions in colonization resistance to pathogens</i> Trustees of the University of Pennsylvania	12/14/2017 42197	
Dr. Elizabeth A. Grice, Ph.D. Philadelphia, PA <i>Skin microbiome functions in colonization resistance to pathogens</i> Board of Regents of the University of Wisconsin System	50,000.00 43152 6/15/2018	PC
Dr. Andrew Mehle, Ph.D. Milwaukee, WI <i>Defining the functional landscape between intracellular pathogens and the host</i> Board of Regents of the University of Wisconsin System	50,000.00 42203 12/14/2017	GOV
Dr. Andrew Mehle, Ph.D. Milwaukee, WI <i>Defining the functional landscape between intracellular pathogens and the host</i> President and Fellows of Harvard College	50,000.00 43158 6/15/2018	GOV
Dr. Caroline Buckee, Ph.D. Boston, MA <i>The impact of human red blood cell heterogeneities and dynamics on malaria parasite virulence</i>	50,000.00 42196 12/14/2017	PC
President and Fellows of Harvard College Dr. Caroline Buckee, Ph.D. Boston, MA <i>The impact of human red blood cell heterogeneities and dynamics on malaria parasite virulence</i>	50,000.00 43151 6/15/2018	PC
Stanford University Dr. Catherine A. Blish, M.D., Ph.D. San Francisco, CA <i>Training natural killer cells to fight HIV</i> Stanford University Dr. Catherine A. Blish, M.D., Ph.D.	50,000.00 42192 12/14/2017	PC
	50,000.00 43147	PC

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San Francisco, CA	6/15/2018	
<i>Training natural killer cells to fight HIV</i>		
Yale University		PC
Dr. Jason M. Crawford, Ph.D.	50,000.00	
New Haven, CT	42195	
<i>A functional metagenomic screen to systematically identify human-bacteria interactions</i>		
Yale University		PC
Dr. Jason M. Crawford, Ph.D.	50,000.00	
New Haven, CT	43150	
<i>A functional metagenomic screen to systematically identify human-bacteria interactions</i>		
Regents of the University of Michigan		PC
Dr. Adam S. Luring, M.D., Ph.D.	50,000.00	
MI	42198	
<i>The evolution of pathogen virulence and transmissibility</i>		
Regents of the University of Michigan		PC
Dr. Adam S. Luring, M.D., Ph.D.	50,000.00	
MI	43153	
<i>The evolution of pathogen virulence and transmissibility</i>		
University of Washington		GOV
Dr. David Veester, Ph D.	50,000.00	
Seattle, WA	43292	
<i>Characterization of the mechanisms of Nipah virus entry into host cells and humoral immune response</i>		
Trustees of the University of Pennsylvania		PC
Dr. Jorge Henao-Mejia, M.D., Ph.D.	50,000.00	
Philadelphia, PA	43293	
<i>Regulation of white adipose tissue by the microbiota</i>		
Regents of the University of California		PC
Dr. Peter J. Turnbaugh, Ph.D.	50,000.00	
San Francisco, CA 94143	43297	
<i>Koch's postulates revisited: microbiome editing to prove the microbial etiology of human</i>		

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University of Texas Southwestern Medical Center-Dallas		GOV
Dr. Michael Shiloh, M.D., Ph.D.	50,000.00	
Dallas, TX	43295	
<i>Effect of mycobacterial lipid mediators on nociceptive neurons and cough induction</i>		
Rockefeller University	50,000.00	PC
Dr. Gabriel D. Vitoria, Ph.D.	43290	
New York, NY		
<i>How prior antigenic exposure constrains the response to influenza vaccination</i>		
University of Texas Southwestern Medical Center-Dallas	50,000.00	GOV
Dr. James J. Collins, Ph.D.	43298	
Dallas, TX		
<i>Defining regulators of schistosome reproductive development</i>		
Tufts University	50,000.00	PC
Dr. Aimee Shen, Ph.D.	43291	
Boston, MA		
<i>Role of a conserved DNA methyltransferase during Clostridium difficile infection</i>		
University of Texas Southwestern Medical Center-Dallas	50,000.00	GOV
Dr. Sebastian E. Winter, Ph.D.	43294	
Dallas, TX		
<i>Metabolic host-microbe interactions in the intestinal tract</i>		
Icahn School of Medicine at Mount Sinai	50,000.00	PC
Ivan Marazzi, Ph.D.	43428	
New York, NY		
<i>Role of nuclear granules in viral pathogenesis</i>		
Stanford University	50,000.00	PC
Dr. Jan E. Carette, Ph.D.	43296	
San Francisco, CA		
<i>Hunting host factors critical for viral infection</i>		
Weill Medical College of Cornell University	50,000.00	PC
Dr. Gregory F. Sonnenberg, Ph.D.	43289	

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New York, NY	7/16/2018	
<i>Innate immune regulation of host-microbe interactions</i>		
Board of Regents of the University of Wisconsin System	50,000.00	GOV
Dr. John-Demian Sauer, Ph.D.	43299	
Milwaukee, WI		
<i>The war within: identification and characterization of antibacterial cell intrinsic defenses</i>		
<i>in the host cell cytosol</i>		
Georgia Institute of Technology	90,921.62	PC
Marvin Whiteley, Ph.D.	42340	
Atlanta, GA		
<i>Mechanistic insight into host modulation of bacterial group activities</i>		
<u>Physician-Scientist Institutional Award</u>		
Trustees of the University of Pennsylvania	30,000.00	PC
Dr. Lawrence F Brass, M.D., Ph.D.	42210	
Philadelphia, PA		
<i>Increasing opportunities for MD physicians interested in research careers</i>		
Regents of the University of California	30,000.00	PC
Dr. Frederick J. Meyers, M.D.	42211	
San Francisco, CA 94143		
<i>University of California Davis Research Program in Medical Education (UCD Research-PRIME)</i>		
Weill Medical College of Cornell University	30,000.00	PC
Dr. Gary Koretzky, M.D., Ph.D.	42209	
New York, NY		
<i>Weill Cornell Medicine Physician-Scientist Academy</i>		
Board of Trustees of the Leland Stanford Junior University	30,000.00	PC
Dr. Paul J. Utz, M.D.	42207	
<i>Stanford - Burroughs Wellcome Fund (BWF) Scholars Program</i>		
University of Colorado-Denver	30,000.00	GOV
Dr. John E. Repine, M.D.	42208	
Denver, CO		

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<i>TRIAD Strategy for Creating Physician-Scientists</i>		
Temple University		
Dr. Susan G Fisher, Ph.D.	30,000.00	GOV
Philadelphia, PA	42212	
<i>Temple Physician-Scientist Training, Education, and Mentorship program</i>		
Regents of the University of Michigan		
Dr. Kathleen Loretta Collins, M.D., Ph.D	30,000.00	PC
MI	42213	
<i>Development of a unique pathway for the training of physician scientists at the University of Michigan</i>		
Northwestern University		
Dr. Douglas E. Vaughan, M.D.	30,000.00	PC
Chicago, IL	42214	
<i>Training a biomedical physician workforce to develop tomorrow's cures for today's diseases</i>		
University of Iowa		
Dr. Jeffrey C. Murray, M.D.	30,000.00	GOV
Grant Accounting Office	42215	
118 S. Clinton Street		
Iowa City, IA 52242		
<i>BWF Physician-Scientist Institutional Award Planning Grant</i>		
Regents of the University of California		
Dr. Gary S. Firestein, M.D.	30,000.00	PC
San Francisco, CA 94143	42216	
<i>Fostering the Physician-Scientist Pipeline at UC San Diego</i>		
University of North Carolina-Chapel Hill		
Dr. Janet Ellen Rubin, M.D.	30,000.00	GOV
Chapel Hill, NC 27516	42217	
<i>Developing MD Researchers at UNC School of Medicine</i>		
University of Pittsburgh		
Dr. Richard A. Steinman, M.D., Ph.D.	30,000.00	PC
	42218	

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Pittsburgh, PA	12/14/2017	
<i>University of Pittsburgh Planning Grant for BWF Physician Scientist Institutional Award</i>		
University of Texas Southwestern Medical Center-Dallas		
Dr. Dwight Arnold Towler, M.D., Ph D.	30,000.00 42388	GOV
Dallas, TX	1/15/2018	
<i>The UT Southwestern TARDIS Program Training Residents Doctors As Innovators in Science</i>		
Oregon Health and Science University		
Dr. Jeanne-Marie Guise, M.D.	30,000.00 42219	PC
Portland, OR	12/14/2017	
<i>A Blueprint for the Early Detection and Development of the Physician Scientist</i>		
Albert Einstein College of Medicine of Yeshiva University		
Dr. Myles Hugh Akabas, M.D., Ph.D.	30,000.00 42220	PC
Bronx, NY	12/14/2017	
<i>Different People, Different Pathways Recruitment and Training of Medical Students and Physicians for Research Careers in Psychiatry</i>		
Texas A&M University		
Dr. David P. Huston, M.D.	30,000.00 42221	GOV
Business Coordinator	12/14/2017	
4461 TAMU		
College Station, TX 77843		
<i>Academy of Physician-Scientists</i>		
University of Texas Medical Branch-Galveston		
Dr. Peter Clay Melby, M.D.	30,000.00 42222	GOV
Galveston, TX	12/14/2017	
<i>Training of Physicians for Global Infectious Diseases Research</i>		
Regents of the University of California		
Dr. Scott A Oakes, M.D.	30,000.00 42223	PC
San Francisco, CA 94143	12/14/2017	
<i>Building an MD-only Physician-Scientist Incubator at UCSF</i>		
Johns Hopkins University		
	30,000.00	PC

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Dr Kathleen H. Burns, M.D., Ph D. Baltimore, MD <i>Physician-Scientist Training Program (PSTP) at Johns Hopkins University School of Medicine</i>	12/14/2017 42224	
Duke University Dr. Michael D. Gunn, M.D Durham, NC <i>An Integrated Multi-level Physician Scientist Development Program</i>	30,000.00 42225 12/14/2017	PC
The Governing Council of the University of Toronto Dr. Norman David Rosenblum, M.D. Toronto, ON <i>Training New Cohorts of Physician Scientists at University of Toronto Medicine: Novel Strategies to Engage and Train 'Late Bloomers'</i>	30,000.00 42226 12/14/2017	PC
Trustees of Columbia University in the City of New York Dr. Michael L. Shelanski, M D , Ph.D. New York, NY <i>The Doctor of Medical Science-A Rigorous and Efficient Program for Training Physician Scientists at Columbia University</i>	30,000.00 42227 12/14/2017	PC
Regents of the University of California Dr. Deborah Krakow, M.D. San Francisco, CA 94143 <i>The Untapped Scientific Workforce. A Proposal to Cultivate Future Female MD Scientists</i>	30,000.00 42228 12/14/2017	PC
Washington University Dr. Wayne M. Yokoyama, M.D. Saint Louis, MO <i>The New Division of Medical Sciences at Washington University</i>	30,000.00 42229 12/14/2017	PC
University of Rochester Dr. Martin Stuart Zand, M.D., Ph.D. Rochester, NY <i>University of Rochester Physician-Scientist Fellowship Program</i>	30,000.00 42230 12/14/2017	GOV
Icahn School of Medicine at Mount Sinai	30,000.00	PC

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Dr. Rosalind J Wright, M.D. New York, NY	42231 12/14/2017	
<i>Strengthening the Medical Research Chain: Linkage Programs to Enhance Physician-Scientist Success</i>		
Vanderbilt University Dr. James R. Goldenring, M.D., Ph.D. Nashville, TN	30,000.00 42232 12/14/2017	PC
<i>Supporting Careers in Research for Interventional Physicians and Surgeons (SCRIPS)</i>		
Tulane University School of Medicine Dr. Marie Krousel-Wood, M.D. New Orleans, LA	30,000.00 42233 12/14/2017	PC
<i>Tulane Mentoring Architecture for Physician Scientists - MAPS</i>		
McGill University Dr. Mark J Eisenberg, M.D. Montreal, QC Canada	30,000.00 42234 12/14/2017	PC
<i>Integrated Physician-Scientist Training Pathway</i>		
New York University School of Medicine Dr. Mark R. Philips, M.D. New York, NY	30,000.00 42235 12/14/2017	PC
<i>BWF Physician-Scientist Enrichment Program</i>		
Postdoctoral Enrichment Program for Underrepresented Minorities Massachusetts Institute of Technology Dr. Manuel Alejandro Ortega, Ph.D. Cambridge, MA	20,000.00 41695 9/14/2017	PC
<i>Structural and functional insights of human gut microbial enzymes involved in xenobiotic metabolism</i>		
Yale University Dr. Kellie Ann Jurado, Ph.D. New Haven, CT	20,000.00 41696 9/14/2017	PC
<i>Type I interferon-mediated neuroimmunoprotection against Zika Virus</i>		

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Memorial Sloan-Kettering Cancer Center Dr. Melody Smith, M.D. New York, NY 10017	20,000.00 41697 9/14/2017	PC
<i>CD19 targeted donor T cells improve GVT activity and reduce GVHD</i> Emory University Dr. Derrick Jerone Morton, Ph.D. Atlanta, GA	20,000.00 41698 9/14/2017	PC
<i>Exploiting Drosophila to examine RNA exosome-linked disease</i> Washington University Dr. Max Valentin Staller, Ph.D. Saint Louis, MO	20,000.00 41699 9/14/2017	PC
<i>Massively parallel analysis of transcription factor activation domains</i> Regents of the University of California Dr. Ciera Christen Martinez, Ph.D. San Francisco, CA 94143	20,000.00 41700 9/14/2017	PC
<i>Revealing the underlying patterns and evolutionary pressures directing enhancer sequence divergence</i> Baylor College of Medicine Dr. Shamsideen Adeniyi Ojelade, Ph.D. Houston, TX	20,000.00 41701 9/14/2017	PC
<i>The Role of CD2AP in Alzheimer's Disease</i> California Institute of Technology Dr. Christopher O'Neil Barnes, Ph.D. Pasadena, CA	20,000.00 41702 9/14/2017	PC
<i>Structural basis of HIV-1 envelope trimer conformational changes induced by receptors and antibodies</i> University of Pittsburgh Dr. Tomeka Suber, M.D., Ph.D. Pittsburgh, PA	20,000.00 41703 9/14/2017	PC
<i>Regulation of GSK3beta degradation and its role in acute lung injury</i> Massachusetts Institute of Technology	20,000.00 PC	PC

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Dr. Daniel I Dominguez, Ph D. Cambridge, MA <i>Systematic analysis of RBPs in controlling drug response in cancer cells</i> Trustees of Columbia University in the City of New York Dr. Theanne Nicole Dugger Griffith, Ph D. New York, NY <i>Neuroptidergic Signaling Mechanisms in Peripheral Sensory Neurons</i> University of Iowa Dr. Antenor Othrell Hinton, Jr., Ph.D. Grant Accounting Office 118 S Clinton Street Iowa City, IA 52242 <i>Mechanisms for insulin-dependent regulation of skeletal muscle mitochondria by OPA1</i> Baylor College of Medicine Dr. Diana Monsivais, Ph.D. Houston, TX <i>SMAD1/5 signaling in the female reproductive tract</i> Board of Regents of the University of Wisconsin System Dr. Nydians Hernandez-Santos, Ph.D. Milwaukee, WI <i>Role of airway epithelial cells in host defense against pulmonary fungal pathogens</i> California Institute of Technology Dr. Walter Gabriel Gonzalez, Ph.D Pasadena, CA <i>NEURONAL DYNAMICS AND BEHAVIORAL ROBUSTNESS IN MOTOR CONTROL</i> Regents of the University of California Dr. Samantha Cleopatra Lewis, Ph D. San Francisco, CA 94143 <i>Functional dissection of the mitochondrial DNA nucleoid complex</i> Duke University Dr. Max Manuel Villa, Ph.D.	41704 9/14/2017 20,000.00 41705 9/14/2017 20,000.00 41706 9/14/2017 20,000.00 41679 9/14/2017 20,000.00 41680 9/14/2017 20,000.00 41681 9/14/2017 20,000.00 41682 9/14/2017 20,000.00 41683	PC PC GOV PC GOV PC PC PC PC

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Durham, NC <i>A high throughput platform for screening microbial interactions</i> Trustees of the University of Pennsylvania Dr. Carolyn Marie Yrigollen, Ph.D. Philadelphia, PA <i>Modeling the FMRI trinucleotide repeat in zebrafish for gene editing</i> Vanderbilt University Medical Center Dr. Christopher Anthony Lopez, Ph.D. Dallas, TX	20,000.00 41684 9/14/2017	PC
<i>Clostridium difficile responses to limited zinc during infection.</i> Regents of the University of Colorado Dr. Brian Alberto Aguado, Ph.D. Denver, CO <i>Development of a nanotherapy for aortic valve stenosis</i> Rockefeller University Dr. Nicholas Cejas Gomez, Ph.D. New York, NY <i>Stem Cell reprogramming during oncogenesis and development</i> President and Fellows of Harvard College Dr. Laura M. K. Dassama, Ph.D. Boston, MA <i>Functional and Structural Characterization of a Methanobactin Transporter</i> Harvard Medical School Dr. Laura M. K. Dassama, Ph.D. Boston, MA <i>Functional and Structural Characterization of a Methanobactin Transporter</i> Duke University Dr. Courtney Rory Goodwin, M.D., Ph.D. Durham, NC <i>Phospho-proteomic profiling of metastatic breast cancer</i> University of Pennsylvania	20,000.00 41692 9/14/2017 20,000.00 41693 9/14/2017 20,000.00 41694 9/14/2017 14,355.89 42167 12/14/2017 20,000.00 41650 9/14/2017 14,802.64 41794 10/13/2017 20,000.00	PC PC PC PC PC PC PC

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Dr. Ishmail John Abdu-Saboar, Ph.D. Philadelphia, PA	41648 9/14/2017	
<i>Determining the Function of Touch-sensing Neurons in Acute and Chronic Pain</i>		
Massachusetts Institute of Technology	20,000.00 41649	PC
Dr. Breann L Brown, Ph D. Cambridge, MA	9/14/2017	
<i>Elucidating key protein-protein interactions that control substrate selection by the Lon AAA protease</i>		
Stanford University	20,000.00 41651	PC
Dr. David Ashley Van Valen, M.D., Ph.D. San Francisco, CA	9/14/2017	
<i>Understanding host-virus interactions in bacterial systems at the single cell level</i>		
President and Fellows of Harvard College	20,000.00 41652	PC
Dr. Elenoe Chedderna Smith, Ph.D. Boston, MA	9/14/2017	
<i>DNA elements within BCL11A and it target sequences in hemoglobin switching</i>		
Stanford University	20,000.00 41653	PC
Dr. David M. Garcia, Ph.D San Francisco, CA	9/14/2017	
<i>Heritable protein aggregation affecting RNA regulation</i>		
Trustees of Princeton University	20,000.00 41654	PC
Dr. Thomas Pohl, Ph.D. Princeton, NJ	9/14/2017	
<i>Role of G4 sequences in rDNA transcription and ribosome biogenesis and/or function</i>		
President and Fellows of Harvard College	20,000.00 41655	PC
Dr. Samira Musah, Ph.D. Boston, MA	9/14/2017	
<i>Directed differentiation of human iPS cells to reconstitute kidney glomerular function in vitro</i>		
Massachusetts Institute of Technology	20,000.00 41656	PC
Dr. Michael John Mitchell, Ph.D.		

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Cambridge, MA <i>A Nanoparticle Platform for siRNA Delivery to Bone Marrow Endothelium to Disrupt Bone Metastasis Formation</i>	20,000.00 41671	PC
Regents of the University of Colorado Dr. Nicholas Ryan Meyerson, Ph.D Denver, CO <i>Rules of engagement between TRIM restriction factors and their viral targets</i>	20,000.00 41672	PC
President and Fellows of Harvard College Dr. Jihua Khara Osborne, Ph.D. Boston, MA <i>Investigation of the role of the Lin28 paralogs during lung branching morphogenesis</i>	20,000.00 41673	PC
Weill Medical College of Cornell University Dr. Anthony Olarerin-George, Ph.D. New York, NY <i>Characterizing the transcriptome-wide location and function of 8oxoG</i>	20,000.00 41674	PC
Regents of the University of California Dr. Kyle Gabriel Daniels, Ph.D San Francisco, CA 94143 <i>Using Synthetic Receptors to Map the T Cell Development Landscape</i>	20,000.00 41675	PC
Washington University Dr. Jose Bernardo Saenz, M.D., Ph.D. Saint Louis, MO <i>Exploring the early events in Helicobacter pylori-induced gastric unit reorganization</i>	20,000.00 41676	PC
Massachusetts Institute of Technology Dr. Hiruy Meharena, Ph.D. Cambridge, MA <i>Deciphering the Role of Eukaryotic Protein Kinases in Down's Syndrome</i>	20,000.00 42384	PC
Board of Trustees of the Leland Stanford Junior University Dr. Antonia Alistia Dominguez, Ph.D <i>Functional analysis of C9orf72 mutations in ALS via targeted genome engineering</i>	20,000.00	PC
President and Fellows of Harvard College	1/15/2018	PC

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Dr. Edwin Ernesto Reyes, Ph D. Boston, MA	9/14/2017 41677	
<i>The Contribution of CD8+ Treg to Anti-Tumor Immunity</i> President and Fellows of Harvard College Dr. Simmie Lorene Foster, M.D., Ph.D Boston, MA	20,000.00 41678 9/14/2017	PC
<i>Neuroimmune interactions in inflammatory pain</i> University of Pennsylvania Dr. Michael John Mitchell, Ph D. Philadelphia, PA	48,550.26 42492 2/15/2018	PC
<i>A Nanoparticle Platform for siRNA Delivery to Bone Marrow Endothelium to Disrupt Bone Metastasis Formation</i> <u>Pre-term Birth Initiative</u> Wayne State University Dr. Kang Chen, Ph D. Detroit, MI	75,000.00 42800 4/12/2018	GOV
<i>The functions of B cells in pregnancy and the pathogenesis of preterm birth</i> Wayne State University Dr. Kang Chen, Ph.D. Detroit, MI	75,000 00 41788 10/13/2017	GOV
<i>The functions of B cells in pregnancy and the pathogenesis of preterm birth</i> Stanford University Dr. David N. Cornfield, M.D. San Francisco, CA	75,000.00 41789 10/13/2017	PC
<i>Myometrial smooth muscle cell TRPV channel activity modulates contractility</i> Regents of the University of California Dr. Trevor D. Burt, M.D. San Francisco, CA 94143	75,000.00 41790 10/13/2017	PC
<i>Fetal immune activation and lineage switching in preterm labor</i> University of Toronto Dr. Stephen Lye, Ph.D.	75,000.00 42801	PC

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Toronto, ON		4/12/2018	
Canada			
<i>Targeting leukocyte activation to prevent preterm labor</i>			
University of Chicago	75,000.00		PC
Dr. Vincent Joseph Lynch, Ph.D.	41791		
5841 S. Maryland Ave., MC 5058		10/13/2017	
Chicago, IL 60637			
<i>Evolutionary forward genomic insights into the casual mechanisms of preterm birth</i>			
University of Cincinnati	75,000.00		PC
Dr. Claire Chougnet, Ph.D.	41787		
Cincinnati, OH		10/13/2017	
<i>Chougnet, Claire -- Host-microbe cross-talk and pregnancy outcomes</i>			
Johns Hopkins University	75,000.00		PC
Dr. Laura Marie Ensign, Ph.D.	41818		
Baltimore, MD		10/13/2017	
<i>The role of vaginal progesterone delivery in cervical remodeling and preterm birth</i>			
Johns Hopkins University	75,000.00		PC
Dr. Laura Marie Ensign, Ph.D.	42822		
Baltimore, MD		4/12/2018	
<i>The role of vaginal progesterone delivery in cervical remodeling and preterm birth</i>			
University of Cincinnati	75,000.00		PC
Dr. Senad Divanovic, Ph.D.	41819		
Cincinnati, OH		10/13/2017	
<i>Role of type I IFNs/IFNAR axis in inflammation-induced preterm birth</i>			
University of Cincinnati	75,000.00		PC
Dr. Senad Divanovic, Ph.D.	42823		
Cincinnati, OH		4/12/2018	
<i>Role of type I IFNs/IFNAR axis in inflammation-induced preterm birth</i>			
President and Fellows of Harvard College	75,000.00		PC
Dr. Mark Phillippe, M.D.	41820		
Boston, MA		10/13/2017	

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<i>Cell-free Fetal DNA - the Trigger for Spontaneous Parturition</i> President and Fellows of Harvard College Dr. Mark Phillippe, M.D. Boston, MA	75,000.00 42824 4/12/2018	PC
<i>Cell-free Fetal DNA - the Trigger for Spontaneous Parturition</i> Vanderbilt University Dr. John Anthony Capra, Ph.D. Nashville, TN	75,000.00 42837 4/12/2018	PC
<i>Integrating 'omics and electronic health records to elucidate the genetic architecture of preterm birth</i> Vanderbilt University Dr. John Anthony Capra, Ph.D. Nashville, TN	75,000.00 41832 10/13/2017	PC
<i>Integrating 'omics and electronic health records to elucidate the genetic architecture of preterm birth</i> University of Cincinnati Dr. Ge Zhang, M.D., Ph.D. Cincinnati, OH	75,000.00 41833 10/13/2017	PC
<i>Genomic study of gestational length and preterm birth</i> University of Cincinnati Dr. Ge Zhang, M.D., Ph.D. Cincinnati, OH	75,000.00 42838 4/12/2018	PC
<i>Genomic study of gestational length and preterm birth</i> Regents of the University of California Dr. Tippi C. MacKenzie, M.D. San Francisco, CA 94143	75,000.00 41834 10/13/2017	PC
<i>A precision medicine approach to detect dysbiosis and immune activation in preterm birth</i> Regents of the University of California Dr. Tippi C. MacKenzie, M.D. San Francisco, CA 94143	75,000.00 42839 4/12/2018	PC
<i>A precision medicine approach to detect dysbiosis and immune activation in preterm birth</i>		

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University of Texas-Austin Dr. Jonghwan Kim, Ph.D. Austin, TX	75,000.00 41835 10/13/2017	GOV
<i>Identifying genetic factors controlling normal and abnormal placental development</i> University of Texas-Austin Dr. Jonghwan Kim, Ph D. Austin, TX	75,000.00 42840 4/12/2018	GOV
<i>Identifying genetic factors controlling normal and abnormal placental development</i> Board of Trustees of the University of Illinois Dr. Kimani C Toussaint, Ph.D.	75,000.00 42841 4/12/2018	GOV
<i>Investigating the mechanobiology of cervical remodeling using a novel combination of optical microscopy and nanoindentation</i> Board of Trustees of the University of Illinois Dr. Kimani C. Toussaint, Ph.D.	75,000.00 41836 10/13/2017	GOV
<i>Investigating the mechanobiology of cervical remodeling using a novel combination of optical microscopy and nanoindentation</i> PRISM Award White Oak Elementary Mrs Marsha M Sirkin Cape Carteret, NC <i>STEAM by the SHORE</i>	2,940.00 42678 3/15/2018	GOV
Archer Elementary Mrs. Beverly A Campbell Greensboro, NC <i>Robots to the Rescue!</i>	4,500.00 42679 3/15/2018	GOV
Charles B Aycock High School Mr Steven M Thorne Pikeville, NC <i>The Sustainable Storage Building</i>	3,000.00 42680 3/15/2018	GOV
Havelock High School Dr. Kelsey M Gillam	2,964.00 42681	GOV

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Havelock, NC	3/15/2018	
<i>MiniLabs for Maximum Impact. Inclusion of Biotechnology Equipment in the Science Classroom</i>		
Robbinsville Elementary		GOV
Mrs. Kristi Griggs	3,000.00 42682	
<i>Engaging Students in STEM through Underwater Robotics</i>		
West Wilkes High School	3/15/2018	GOV
Mr. Michael Wayne Holleman	3,543.00 42683	
Millers Creek, NC	3/15/2018	
<i>Protecting our Water</i>		
Public Schools of Robeson County		GOV
Mrs. Susan D. Miller-Hendrix	4,496.00 42684	
<i>Makerspace 101. Innovative Hands-on-Learning</i>		
Northern Elementary School	3/15/2018	GOV
Mrs. Kelly A McClure	4,272.00 42685	
Greensboro, NC	3/15/2018	
<i>STEM Kits for 2nd grade</i>		
Altamahaw Ossipee Elementary School		GOV
Ms. Ashley S Parnell	2,924.00 42686	
Elon, NC	3/15/2018	
<i>Integrating Technology and Innovation in STEM Education</i>		
Envision Science Academy		GOV
Mr. Ethan T Burton	3,368.00 42687	
Wake Forest, NC	3/15/2018	
<i>Outdoor Learning Center</i>		
Wiley Magnet Middle School		GOV
Mrs. Elisabeth A Moore	2,518.00 42847	
Winston-Salem, NC	4/12/2018	
<i>Taking our Science Outdoors!</i>		
Burgaw Middle School		GOV
Mrs. Amy E Lawson	4,491.00 42848	

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Burgaw, NC	4/12/2018	
<i>VIRTUALLY BMS</i>		
Greene County Middle School	2,905.00	GOV
Ms. Jennifer L Walmsley	42688	
Snow Hill, NC	3/15/2018	
<i>Building STEM Skills in the Classroom</i>		
Club Boulevard Humanities Magnet Elementary School	1,784.00	GOV
Ms. Bobbie Lynn Lequire	42689	
Durham, NC	3/15/2018	
<i>Rube Goldberg Wantabees</i>		
Grandview Middle School	4,500.00	GOV
Mrs. Christina Lancaster	42849	
Hickory, NC	4/12/2018	
<i>Manipulating the Middle</i>		
Brunson Elementary	1,042.00	GOV
Mrs. Cindy L Alva	42850	
Winston-Salem, NC	4/12/2018	
<i>Let's Be Paleontologists and Get Our Hands Dirty!</i>		
Wilkes Early College High School	900.00	GOV
Dr. Kelly N Pipes	42690	
Wilkesboro, NC	3/15/2018	
<i>It Takes a Village . and a Few Million Honey Bees!</i>		
Blackburn Elementary School	4,500.00	GOV
Mrs. Rhonda W Pawlik	42691	
Newton, NC	3/15/2018	
<i>We Matter</i>		
Forest Hills Global Elementary School	3,000.00	GOV
Ms. Holly J Minnear	42692	
Wilmington, NC	3/15/2018	
<i>Growing Engineers</i>		
Tabor City Elementary School	4 500.00	GOV

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Mr Jeffrey Brown Jr. <i>The Edible Learning Lab at Tabor City Elementary</i>	42636 3/15/2018	
Polk County High School Mrs. Leslie McGaha Rhinehart Columbus, NC <i>Learning with Innovative Technology Integration</i>	2,626.00 42637 3/15/2018	GOV
Sherwood Githens Middle School Mrs Rebecca L Burns Durham, NC <i>This Little Piggy Went To Science Class!</i>	1,973.00 42638 3/15/2018	GOV
Bowman Middle School Mrs Shana M Cook Bakersville, NC <i>Take an "Interest" in STEM</i>	4,348.00 42639 3/15/2018	GOV
R. Brown McAllister STEM Elementary Mrs. Lara B Cabaniss <i>An Expedition to Outer Space</i>	3,000.00 42640 3/15/2018	GOV
Surry Central High School Mr. Mason N Midkiff Dobson, NC <i>Save the APES!</i>	2,950.00 42641 3/15/2018	GOV
East Yancey Middle School Mrs Revonda R Duncan Burnsville, NC <i>EYMS Makerspace</i>	2,871.00 42642 3/15/2018	GOV
Wayne School of Engineering Mrs. Heather R Lancaster Goldsboro, NC <i>Aerospace Engineering</i>	3,000.00 42643 3/15/2018	GOV
Contentnea-Savannah STEM School Mrs. Stephanie B Harrell	4,500.00 42644	GOV

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Kinston, NC	3/15/2018	
<i>You're Vexing Me - A Vex Robot Project</i>		
Rochelle Middle School	1,800.00	GOV
Mrs. Hannah L Jimenez	42843	
Kinston, NC		
<i>Sphero is our Hero</i>	4/12/2018	
Ocracoke School	4,500.00	GOV
Ms. Claire E Ross	42844	
Ocracoke, NC		
<i>Dream it, Do it! Maker Space</i>	4/12/2018	
John W. Dillard Elementary	2,892.00	GOV
Mrs. Rebecca M Kallam	42645	
Madison, NC		
<i>STEM in Preschool and Early Education</i>	3/15/2018	
Walkertown High School	2,986.00	GOV
Mr. Christopher R Lutzow	42646	
Walkertown, NC		
<i>Walkertown High School Anatomy and Physiology Model Project</i>	3/15/2018	
Iotla Valley Elementary School	1,867.00	GOV
Mrs. Pauletta Clark	42647	
Franklin, NC		
<i>Portable STEM Science Labs</i>	3/15/2018	
Bethany Elementary School	2,400.00	GOV
Mrs. Caitlin R Witherspoon	42648	
Reidsville, NC		
<i>Powerful Problem Solving with Brick Math</i>	3/15/2018	
Ogden Elementary School	567.00	GOV
Ms Kristen L Gambill	42649	
Wilmington, NC		
<i>Osmo Explorer Kit</i>	3/15/2018	
Tabor City Elementary School	3,000.00	GOV

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Mr Rob Foringer	42650	
<i>Trading Wealth for Health A Modern Twist on Treasure Hunting Using Geocaching</i>		
J.M. Morehead High School	3/15/2018	GOV
Mr. Max Edward Dooley	1,803.00	
Eden, NC	42651	
<i>Build, Program, Fly a Drone</i>		
Jones Middle School	3/15/2018	GOV
Ms. Tammy L Wicks	3,000.00	
Trenton, NC	42652	
<i>LAB Rats Full STEAM Ahead 2.0</i>		
Boone Trail Elementary School	3/15/2018	GOV
Mr. Brad F Mauro	3,000.00	
Lillington, NC	42653	
<i>Hands Plus On Equals Understanding</i>		
Smithfield-Selma High School	3/15/2018	GOV
Mr. Mark A. Petersen	4,500.00	
Smithfield, NC	42654	
<i>STEM Guitar - Learning physics by building an electric guitar</i>		
Union Elementary School	3/15/2018	GOV
Mrs. Polly D. Westfall	2,929.00	
Shallotte, NC	42655	
<i>Sensational School-wide STEM Extravaganza</i>		
West Wilkes Middle School	3/15/2018	GOV
Mrs. Anita B. Blackburn	3,000.00	
Wilkesboro, NC	42656	
<i>STC Weather and Climate 5 class Unit</i>		
Bowman Middle School	3/15/2018	GOV
Mrs. Veronica Pitman	3,000.00	
Bakersville, NC	42657	
<i>Supplying a STEM Science Classroom</i>		
McDowell High School	3/15/2018	GOV
	2,810.00	

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Mr. Eric Chester Ziemba Marion, NC <i>Investigating Human Impact on the Environment through Inquiry Based Learning</i>	3/15/2018 42658	
Pleasant Grove Elementary Mrs. Sarah S Mayle <i>Building Opportunity at Pleasant Grove</i>	2,994.00 42659 3/15/2018	GOV
Rachel Freeman School of Engineering Mrs. Janice S Rickey Wilmington, NC <i>Microscope Lab</i>	1,476.00 42660 3/15/2018	GOV
Jones Senior High School Mrs. Beverly I Hines Trenton, NC <i>"Click on the Light"</i>	2,959.00 42661 3/15/2018	GOV
Broad Creek Middle School Mrs. Heather B Blackwell Newport, NC <i>Full STEAM Ahead</i>	2,999.00 42662 3/15/2018	GOV
Pisgah High School Mr. Andrew C Smith Canton, NC <i>Sensing Science Equipping High School Science Students with 21st Century Tools</i>	4,475.00 42663 3/15/2018	GOV
Southern Lee High School Dr. Douglas Lecorchick III Sanford, NC <i>Mobile Tinker-Space</i>	2,998.00 42664 3/15/2018	GOV
Enhancement of STEM Awareness and Engagement Through Student Design Initiatives Olive Chapel Elementary Ms. Marcia A Ferreira Apex, NC <i>Imagination + Creativity. Students Impacting the World</i>	3,000.00 42665 3/15/2018	GOV

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NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Polk County Middle School	2,977.00	GOV
Mr. Dale W Rush	42666	
Mill Spring, NC		
<i>The Science of Speed</i>		
Charles B Aycock High School	2,750.00	GOV
Mr. Brian G Rada	42667	
Pikeville, NC		
<i>Iodine Clock Exploring Rates of Reaction & Reduction-Oxidation Reactions</i>		
North Drive Elementary	3,194.00	GOV
Ms. Stephanie M. Jackson-Heard	42668	
Goldsboro, NC		
<i>Unique Engineers</i>		
Pamlico County Middle School	2,008.00	GOV
Ms. Elizabeth Harwick	42669	
Bayboro, NC		
<i>Connecting the Future</i>		
Southwest Elementary School	1,282.00	GOV
Mrs. Victoria H Gray	42670	
Clemmons, NC		
<i>Breakout Edu in the Elementary Classroom</i>		
Greene County Middle School	4,500.00	GOV
Mrs. Samantha Haislip	42671	
Snow Hill, NC		
<i>Math Virtual Reality Problem Solvers</i>		
Charles P. Murray Middle School	1,259.00	GOV
Mrs. Amanda C Dunn	42845	
Wilmington, NC		
<i>Understanding coastal ecosystems by monitoring water, soil, and plant species indigenous to the area while finding sustainable solutions to human impact on a fragile environment</i>		
Morehead City Elementary School	3,131.00	GOV
Mrs. Rebecca N Haines	42672	

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Morehead City, NC <i>Bits and Balls and Inspiration for All, That's What Inventors are Made Of</i>	3/15/2018	
Marjorie Williams Academy Mrs. Jessica Mains Charlotte, NC <i>Giving Students the Tools to see the World of Science</i>	2,434.00 42673 3/15/2018	GOV
Belmont Central Elementary School Mrs. Ashley Harkey Belmont, NC <i>Learn Dream Print</i>	2,993 00 42674 3/15/2018	GOV
Louisburg High School Mr. Steven Gupion Louisburg, NC <i>Hummingbird Robotics</i>	4,443.00 42846 4/12/2018	GOV
Arapahoe Charter School Mr. Chris Scot Arapahoe, NC <i>Arapahoe Charter School: Hands-On Fieldwork for Student Scientists</i>	4,476 00 42675 3/15/2018	GOV
E.B. Frink Middle School Mrs. Pamela S Pate La Grange, NC <i>Wearable Devices</i>	3,000.00 42676 3/15/2018	GOV
Oakhurst STEAM Academy Mrs. Jennifer L Nicholson Charlotte, NC <i>Exploring the World and Beyond with Google Expeditions</i>	3,000.00 42677 3/15/2018	GOV
Research Travel Grant Board of Regents of the University of Wisconsin System Dr. Elizabeth Rose Wright, Ph D. Milwaukee, WI <i>At The Interface: Collaboration To Determine The Structures Of Neuron Regulatory</i>	10,000.00 43339 7/16/2018	GOV

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
<i>Complexes</i>		
Tennessee Technological University Dr. Liqun Zhang, Ph.D.	10,825.00 43300	GOV
<i>Investigation on the Structure of Human Beta Defensin Type 3 in Lipids</i>		
University of British Columbia Dr. Gethin Rhys Owen, Ph.D.	5,000.00 43301	PC
Vancouver, BC Canada	7/16/2018	
<i>Understanding the toughening mechanism of the Dento Enamel Junction in the tooth, a complex functionally graded material, using a finite element model generated from high resolution three-dimensional electron microscopy data</i>		
Wayne State University Dr. Samresh Sau, Ph.D.	7,752.00 43302	GOV
Detroit, MI	7/16/2018	
<i>Program death-1 antibody drug conjugate for chemo-guided immunotherapy of deadliest pancreatic cancer</i>		
University of Tennessee-Knoxville Dr. Vitaly V Ganusov, D.Phil.	7,500.00 43303	GOV
Knoxville, TN	7/16/2018	
<i>Mathematical modeling of Mycobacterium tuberculosis dynamics</i>		
McGill University - Royal Institution for the Advancement of Learning Dr. Marie Brossard-Racine, Ph.D.	7,000.00 43304	PC
Montreal, QC Canada	7/16/2018	
<i>Direct myelin quantification in neonatal intensive care unit survivors</i>		
President and Fellows of Harvard College Dr. Nestor Uribe-Patarroyo, Ph.D.	10,905.00 43305	PC
Boston, MA	7/16/2018	
<i>OCT velocimetry for quantifying corneal biomechanics</i>		
Baylor University Dr. Joaquin Norberto Lugo, Ph.D.	8,000.00 43306	PC

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BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Dr. Istvan Kovacs, Ph.D. Boston, MA <i>Uncovering the organizing principles of genetic interaction networks</i> Simon Fraser University Dr. Carolyn Sparrey, Ph D. Burnaby, BC Canada <i>Advancing a non human primate unilateral contusion model of spinal cord injury</i> University of Washington Dr. Parthiv Haldipur, Ph D. Seattle, WA <i>Human-specific features of cerebellar development provide insight into disease mechanisms</i> Temple University Dr. Isaac Klapper, Ph.D. Philadelphia, PA <i>Linking Microbial Metabolism to Host-Microbe Environment</i> Colorado State University Dr. Tingting Yao, Ph.D. Fort Collins, CO <i>Single-molecule studies of epigenetic regulation of chromatin dynamics</i> Emory University Dr. Kathryn E Oliver, Ph.D. Atlanta, GA <i>Modulation of ribosome velocity as a means to rescue CF-causing mutations.</i> University of Louisville Dr. Jorge Gomez-Gutierrez, Ph.D Louisville, KY <i>Detection of L. lactis colonization within hypoxic tumor microenvironment by multispectral optoacoustic tomography</i> Towson University	43312 7/16/2018 10,000.00 43313 7/16/2018 10,000.00 43314 7/16/2018 8,000.00 43315 7/16/2018 8,000 00 43316 7/16/2018 8,000.00 43317 7/16/2018 7,500 00 43318 7/16/2018 7,000.00	PC GOV GOV GOV PC GOV GOV

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Dr. Barry Joseph Margulies, Ph D. <i>Single-Dose, One-Week Oral Fampiclovir to Treat Acute Herpes Outbreaks</i> Georgia Institute of Technology Dr. Audrey J Sederberg, Ph D. Atlanta, GA	43319 7/16/2018 10,000.00 43320	PC
<i>Microcircuit foundations of arrhythmic brain activity in mice and humans</i> Southern Methodist University Dr. Andrea Katherine Barreiro, Ph.D. <i>Modulation of Correlations by Cortical UP-DOWN Transitions</i> Dalhousie University Dr. Paul Frank Gratzel, Ph.D. Halifax, NS Canada	8,100.00 43321 7/16/2018 7,388.00 43322 7/16/2018	PC PC
<i>Human Adipose-derived Stem Cells for Use in Repopulating Decellularized Tissue Scaffolds</i> University of Maryland-Baltimore Ms. Alison June Scott, Ph.D Baltimore, MD	9,850.00 43323 7/16/2018	PC
<i>Cholesterol Metabolism in Statin-Mediated Protection Against Bacterial Infection</i> McMaster University Dr. Sameer Parpia, Ph D. Hamilton, ON Canada	2,806.00 43324 7/16/2018	PC
<i>Improved use of D-DIMER in the diagnosis of deep vein thrombosis, an international collaboration using individual patient data</i> Case Western Reserve University-Cleveland Clinic Lerner College of Medicine Dr Christine M. O'Connor, Ph.D. <i>Discovering the epigenetic modifications regulating HCMV latency and reactivation</i> Michigan State University Dr. Jayavel Arumugam, Ph.D. East Lansing, MI	12,000.00 43325 7/16/2018 10,000.00 43326 7/16/2018	PC GOV

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Roles of Metabolic Demand and Supply Mismatch in Mechanical Dyssynchrony and Cardiac Resynchronization Therapy		
Regents of the University of California		
Dr. Yirui Guo, Ph.D.		
San Francisco, CA 94143	5,000.00 43327	PC
Assays and methods for quantifying heteroplasmy	7/16/2018	
Colorado State University		
Dr. Ellison Carter, Ph.D.	7,000.00 43328	GOV
Fort Collins, CO	7/16/2018	
Investigating Novel Biological Signatures for Air Pollution Exposure Using Dried Blood Spot Based Mass Spectrometric Techniques		
Regents of the University of Michigan		
Dr. Ajit P. Joglekar, Ph.D.	12,000.00 43329	PC
MI	7/16/2018	
Reverse engineering the budding yeast kinetochore		
University of North Carolina-Chapel Hill		
Dr. Roberto Ivan Mota, M.D.	12,000.00 43330	GOV
Chapel Hill, NC 27516	7/16/2018	
Molecular Imaging of Atherosclerosis in Mutant ApoE Deficient Rats		
California Institute of Technology		
Dr. Anat Kahan, Ph.D.	10,000.00 43331	PC
Pasadena, CA	7/16/2018	
The Influence of the Suprachiasmatic Nucleus, a circadian pacemaker, on fertility and reproduction in female mice: improving in-vivo two-photon imaging techniques.		
California Institute of Technology		
Dr. Rajib Das-Gupta Schubert, D.Sc.	10,000.00 43332	PC
Pasadena, CA	7/16/2018	
Imaging cytometry of intact tumors for personalized cancer gene therapy.		
Stanford University		
Dr. Michael Z. Lin, M.D., Ph.D.	6,800.00 43438	PC
San Francisco, CA	8/15/2018	

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
<i>Integrating protein engineering with microfluidics to develop next-generation brain activity reporters</i>		
Queensborough Community College		
Dr. Monica Trujillo, Ph.D.	12,000.00 43333	GOV
NY	7/16/2018	
<i>Structural studies of a Streptomyces rhomboid</i>		
University of Illinois-Urbana-Champaign		
Dr. Benjamin Zimmerman, Ph.D.	5,610.00 43334	GOV
Urbana, IL	7/16/2018	
<i>Comparison of high-resolution metabolic neuroimaging with oxygenation and flow-based imaging</i>		
Northeastern University		
Dr. Sidi A Bencherif, Ph.D	10,000.00 43335	PC
Boston, MA	7/16/2018	
<i>Cryogel-integrated liver-on-a-chip for ex-vivo hepatotoxicity and drug screening</i>		
University of Oregon		
Mr. Andrew Thomas Lovering, Ph.D.	10,000.00 43336	GOV
Eugene, OR	7/16/2018	
<i>Is blood flow through intrapulmonary arteriovenous anastomoses and patent foramen ovale related to breath-hold induced pulmonary hypertension?</i>		
Indiana University		
Dr. Jing Liu, D.Phil., Ph.D.	10,165.00 43337	GOV
IN	7/16/2018	
<i>Nanoscale force architecture in live cell visualized by the FRET tension sensor and super resolution fluorescence lifetime imaging</i>		
Emory University		
Dr. Chethan Pandarinath, Ph D.	12,000.00 43338	PC
Atlanta, GA	7/16/2018	
<i>Deciphering movement control with deep learning and large-scale recording</i>		
Fort Valley State University		
Dr. Felicia Jefferson, Ph.D.	7,500.00 43340	GOV

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BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Newton, NC	11/15/2017	
<i>Makerspace Challenges</i>		
Martin Millennium Academy	40,932.00 41971	GOV
Cherelle Sanders		
<i>MMA Future Scientists Academy</i>		
University of North Carolina-Wilmington	11/15/2017	
Dr. Sue McDonald Kezios, Ph.D.	59,794.00 41972	GOV
Wilmington, NC		
<i>I-40 E.A.S.T</i>		
Surry County Schools	11/15/2017	
Mr. Jeff Edwards	59,863.00 41973	GOV
Dobson, NC		
<i>Mustang Biomedical and Engineering Science Scholars</i>		
Beaufort County Police Activities League, Inc.	59,975.00 41974	PC
Mr. Alvin D Powell		
Bath, NC	11/15/2017	
<i>Youth Aerospace, Boating and Robotics Enrichment Program</i>		
Scotland County Schools		
Ms. Amber Star Hutchins	58,898.00 41975	GOV
Lauringburg, NC		
<i>Passport to STEM</i>		
North Carolina State University	11/15/2017	
Dr. Margaret R Blanchard	59,481.00 41976	GOV
Raleigh, NC		
<i>Sustaining STEM Career Clubs in Rural North Carolina</i>		
Graham County Schools	43,400.00 41977	GOV
Mr. Benjamin Davis		
Robbinsville, NC	11/15/2017	
<i>SciGirls</i>		
University of North Carolina-Asheville	59,981.00 41978	GOV
Dr. Irene Mackun Rossell, Ph.D.		

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Asheville, NC <i>Science on the Move: Closing the Opportunity Gap for Migrant Youth with Science, Technology, and Multimedia</i>	11/15/2017	
McDowell County Schools		
Mrs. Renata Sabine Crawley	60,000.00	GOV
Marion, NC	41979	
<i>Project Wild Thing</i>		
Wake Forest University Health Sciences		
Ms. Joan Schanck	60,000.00	PC
Winston-Salem, NC	41980	
<i>American Indian BioMedical Science Academy. Health and Biomedical Science Workforce Development for American Indian Students</i>		
University of North Carolina-Chapel Hill		
Dr. Samuel K Lai, Ph.D	60,000.00	GOV
Chapel Hill, NC 27516	41981	
<i>Young Innovators Program: an immersive research experiential program at the Eshelman School of Pharmacy</i>		
Association for the Preservation of the Eno River Valley, Inc.		
Mr. Dave Cook	60,000.00	PC
Durham, NC	42185	
<i>Walk the Eno Science & Nature Camp and Eno Summer Science Academy, a Year-Round Learning Experience</i>		
Charlotte/Mecklenburg Schools		
Ms. Darlene Petranick	51,125.00	GOV
Charlotte, NC	42186	
<i>Enriching and Enhancing Hands-On Science at Title I Schools With Camp Invention</i>		
North Carolina State University		
Ms. Heather Aldridge	59,671.00	GOV
Raleigh, NC	42187	
<i>RAIN (Raising Achievement through Inquiry and Networking) Across the River Foundation of the Carolinas</i>		
Foundation of the Carolinas	59,978.00	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Ms. Linda Cagley Charlotte, NC <i>The Summer Science Experience - Sixth Grade Science Sleuths and Ten80 PLUS</i> North Carolina State University	42188 12/14/2017	GOV
Dr. Eric S. Money Raleigh, NC <i>GAPS (Geospatial Analytics for Problem Solving) for Hi-Tech Teens</i> Aurora Fossil Museum Foundation, Inc.	58,016.00 42831 4/12/2018	GOV
Ms. Cynthia D Crane Aurora, NC <i>IMAGINE-NC: Integrating Mathematics and Geology In Eastern North Carolina</i> <u>Student Science Enrichment Program</u>	59,967 00 42500 2/15/2018	PC
Orange County Schools Ms Erin Denniston Hillsborough, NC <i>Engineering Matters</i> Mount Airy City Schools	51,500 00 42189 12/14/2017	GOV
Dr. Jesse Hiatt Mount Airy, NC <i>RCR Driven to Lead</i> Rowan-Salisbury Schools	55,100.00 43146 6/15/2018	GOV
Mr. Neil Allen Pifer Salisbury, NC <i>The BRIDGE (Building Research Investigators Doing Growth Experiences) program of</i> Rowan Salisbury Schools	60,000.00 42612 3/15/2018	GOV
Elon University Dr Kimberly Beane Pyne, Ph.D. Elon, NC <i>Wildlife Studies: Critical Carnivores</i> Elizabeth City State University	59,553.00 42190 12/14/2017	PC
Dr. Kuldeep S Rawat	57,029.00 42191	PC

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Elizabeth City, NC <i>College and Career Pathways to Aerospace/Aviation through Authentic and Experiential STEM Learning Activities</i>	12/14/2017	
Lenoir County Public Schools Ms. Becky Lynn Hines Kinston, NC <i>Lenoir County Public Schools STEM Summer Camp</i>	55,794.00 42613 3/15/2018	GOV
North Carolina State University Dr. Tameshia Ballard, Ph.D. Raleigh, NC <i>Broadening STEM Participation Providing STEM Research Experiences for Minority High School Students in the NC-Mathematics and Science Education Network Pre-college Program</i>	60,000.00 42825 4/12/2018	GOV
Duke University Dr. Nicolette L. Cagle, Ph.D. Durham, NC <i>Environmental Science Summer Program at Duke Highlands Biological Station Foundation</i>	23,750.00 42168 12/14/2017	PC
Highlands Biological Station Foundation Dr. James T Costa, Ph.D. Highlands, NC <i>Watershed Moments. Exploring Science and Math in Cullowhee Creek</i>	49,613.00 42169 12/14/2017	PC
Greene County Schools Dr. Frank Creech, Ed.D. Snow Hill, NC <i>Greene STEM Summer</i>	59,465.00 42170 12/14/2017	GOV
Pitt County Schools Mr. Tim DeCresie Greenville, NC <i>Project MERC (Making. Engineering. Robotics and Coding)</i>	60,000.00 42378 1/15/2018	GOV
University of North Carolina-Pembroke Dr. Rita Hagevik, Ph.D.	59,973.00 42171	GOV

BURROUGHS WELLCOME FUND 990-PF FOR FISCAL YEAR ENDED 8/31/2018
PART XV SUPPLEMENTAL INFORMATION - LINE 3A SCHEDULE #18
GRANTS PAID DURING THE YEAR

NAME/ADDRESS/PURPOSE	Amount Check # Paid Date	Foundation Status of Recipient
Pembroke, NC	12/14/2017	
<i>Kids in the Garden: Developing STEM Skills for a Sustainable Future</i>		
University of North Carolina-Chapel Hill		GOV
Ms. Katie Stoudemire	60,000.00 42172	
Chapel Hill, NC 27516	12/14/2017	
<i>Wonder Connection (Healing and Hope Through Science)</i>		
Pamlico County Schools	50,487.00 42173	GOV
Dr. Tammy Anne Scot, Ph.D.	12/14/2017	
Oriental, NC		
<i>After-school and Summer Engineering Adventure Camp</i>		
Sylvan Heights Waterfowl Park & Eco-Center	57,198.00 42174	PC
Mrs. Lee Peoples	12/14/2017	
Scotland Neck, NC		
<i>Soaring into Science</i>		
North Carolina State University	58,550.00 42597	GOV
Dr. Kevin Matthew Oliver, Ph.D.	3/15/2018	
Raleigh, NC		
<i>iNnovative Exploration of Science and Technology (iNEST)</i>		
Rockingham District Partners In Ministry	60,000.00 42379	PC
Dr. Melba McCallum, Ed.D.	1/15/2018	
Laurinburg, NC		
<i>SYSTEM- Strengthening Youth in Science, Technology, Engineering, and Math</i>		
North Carolina Arboretum Society	59,892.00 42175	PC
Mr. Jonathan Darrel Marchal	12/14/2017	
Asheville, NC		
<i>EcoEXPLORE (Experience Promoting Learning Outdoors for Research and Education)</i>		
TOTAL	37,070,342.00	

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Name	Primary Contact	City, State	Project Title	Foundation Status of Recipient	Balance
Harvard Medical School	Mr Bobby Brooke Herrera Ph D	Boston MA	Immune profiling of the antibody responses in asymptomatic Ebola virus infections	PC	\$ 60 000
California Institute of Technology	Dr Francisco Jose Luonop Ph D	Pasadena CA	Neuronal population codes for visual objects in rodents and tree shrews	PC	\$ 60 000
Duke University	Ms Elizabeth Marie Ransley Ph D	Durham NC	Engineering gap junctions for the study and treatment of autism spectrum disorders	PC	\$ 60 000
Princeton University	Dr Midane R McReynolds Ph D	Princeton NJ	NAO+ flux in aged mice	PC	\$ 60 000
University of Southern California	Dr D'Juan Tyree Farmer Ph D	Los Angeles CA	Long-term maintenance of skeletal stem cells in the vertebrate skull	PC	\$ 60 000
Northeastern University	Dr Krila Ardi Bernis Ph D	Boston MA	Scalable statistical analysis for multimodal mass spectrometry imaging experiments	PC	\$ 60 000
California Institute of Technology	Dr Naima Gabriela Sharaf Ph D	Pasadena CA	Transporters and the principles governing cellular membrane crossing	PC	\$ 60 000
MCS Noble Middle School	Ms Stacie Lee Canill	Wilmington NC	Reciprocal Robots	GOV	\$ 4 500
North Carolina State University	Dr John M Burtholder Ph D	Raleigh NC	Falls Lake Partners in Forensic Science	GOV	\$ 180 000
East Carolina University	Dr Renliet Ashwala Ph D	Greenville NC	Renewable Energy and Green Manufacturing Academy for Rural Middle School Students in Eastern North Carolina	GOV	\$ 177 300
University of North Carolina-Pembroke	Dr Rhea L Miles Ph D	Greenville NC	Discoveries in Earth Science (DES) for Students with Blindness or Visual Impairments	GOV	\$ 179 834
South Eastern Regional Vision for Education	Ms Rhea L Miles Ph D	Greenville NC	The Kids in the Garden: Bees and Pollen Studies	GOV	\$ 179 461
University of North Carolina-Charlotte	Ms Kelsey Nicole Myers	Pembroke NC	MASTC Scholarships for Students Experiencing Homelessness	PC	\$ 75 420
Wake Forest University School of Medicine	Dr Richard Hill Ph D	Winston-Salem NC	MASTC Scholarships for Students Experiencing Homelessness	GOV	\$ 189 800
Wake Forest University School of Medicine	Dr Richard Hill Ph D	Winston-Salem NC	MASTC Scholarships for Students Experiencing Homelessness	PC	\$ 184 420
Elizabeth City State University	Dr Kidepo S Ravel	Elizabeth City NC	Girls in STEM & Engineering	PC	\$ 179 470
Pfeiffer University	Dr Laura Hudson Reichenberg Ph D	Misenheimer NC	Drone Exploration Academy: Empowering Students in Real-World Engineering Design and Scientific Investigation Using Drones	PC	\$ 138 558
Dix-Brode Inc.	Mr David Jessup Jr	Charlotte NC	Prosted GENES: Genetics Across the Next Era of Science	PC	\$ 180 000
Elizabeth City State University	Mr Antonio Root	Elizabeth City NC	IMMERSE (Innovating, Mentoring, and Managing Emergency Response through STEM Enrichment)	PC	\$ 152 710
Duke University	Dr Paul Arthur Baker	Durham NC	The World We Live In: Geology, Hydrology, Climatology, Biology, Chemistry of the Environment of Northeastern North Carolina	PC	\$ 168 700
Orange County Schools	Ms Erin Dennison	Hillsborough NC	Engineering Solutions	GOV	\$ 180 000
TOTAL					\$ 37 649 803

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 2 COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
(18,538)	US DOLLAR	(\$18,538)
1,058	NEW ZEALAND DOLLAR	\$702
200	HONG KONG DOLLAR	\$26
4,935	MALAYSIAN RINGGIT	\$1,201
1	CANADIAN DOLLAR	\$1
13,953	BRAZILIAN REAL	\$3,387
7,056,756	HUNGARIAN FORINT	\$25,180
1,827,470	SOUTH KOREAN WON	\$1,642
295,060	THAILAND BAHT	\$9,015
302	EURO CURRENCY	\$352
12,324	SINGAPORE DOLLAR	\$8,995
365,029	PHILIPPINE PISO	\$6,827
1,410,152	SWEDISH KRONA	\$154,344
178,200	JAPANESE YEN	\$1,607
7,927	MEXICAN PESO (NEW)	\$415
806	NORWEGIAN KRONE	\$96
14,439	SWISS FRANC	\$14,930
9,466	SOUTH AFRICAN RAND	\$646
69	POUND STERLING	\$90
79	CANADIAN DOLLAR	\$61
30	SWISS FRANC	\$31
4,936	EURO CURRENCY	\$5,743
15	AUSTRALIAN DOLLAR	\$11
303,284	CZECH KORUNA	\$13,714
39,179,400	INDONESIAN RUPIAH	\$2,660
2,333	SINGAPORE DOLLAR	\$1,703
26,579	CANADIAN DOLLAR	\$20,384
11	SINGAPORE DOLLAR	\$8
2,882	DANISH KRONE	\$450
7,441	POUND STERLING	\$9,671
385,187	SWEDISH KRONA	\$42,159
140	EURO CURRENCY	\$162
166	STATE STREET ILR TRUST TILXX	\$166
457,501	STATE STREET INSTITUTIONAL U S	\$457,145
1	STATE STREET ILR TRUST TILXX	\$1
272	STATE STREET ILR TRUST TILXX	\$272
1,245	STATE STREET ILR TRUST TILXX	\$403
	CASH IN CHECKING ACCOUNT AT WELLS FARGO BANK	\$1,072,292
TOTAL TO PART II LINE 2 COLUMN (B) and (C)		\$ 1,837,951

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10A COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
277,121	FED HM LN PC POOL G15360	\$286,671
48,046	FED HM LN PC POOL A46278	\$51,314
69,123	FED HM LN PC POOL G60093	\$67,189
96,570	FED HM LN PC POOL Q56564	\$100,384
98,656	FED HM LN PC POOL Q57990	\$100,548
391,119	FED HM LN PC POOL G08741	\$378,767
4,359	FED HM LN PC POOL C01599	\$4,738
9,583	FED HM LN PC POOL A40366	\$9,960
54,525	FED HM LN PC POOL Q18209	\$54,617
92,366	FED HM LN PC POOL Q52955	\$91,931
119,213	FED HM LN PC POOL Q44452	\$115,517
1,100,000	FHLMC TBA 30 YR 4	\$1,119,250
1,122	FED HM LN PC POOL A47924	\$1,166
181,447	FED HM LN PC POOL V80006	\$177,152
79,393	FED HM LN PC POOL C91485	\$80,530
85,021	FED HM LN PC POOL G08711	\$84,717
121,341	FED HM LN PC POOL G08737	\$117,615
1,332	FED HM LN PC POOL A16908	\$1,471
4,676	FED HM LN PC POOL A34552	\$4,878
171,295	FED HM LN PC POOL G03819	\$189,368
562,435	FED HM LN PC POOL V84297	\$559,752
86,052	FED HM LN PC POOL G16157	\$87,064
48,057	FED HM LN PC POOL C91395	\$49,328
16,491	FED HM LN PC POOL C14186	\$16,643
19,460	FED HM LN PC POOL G04725	\$20,781
108,028	FED HM LN PC POOL Q56624	\$112,295
97,234	FED HM LN PC POOL Q58068	\$99,099
75,882	FED HM LN PC POOL C91760	\$76,968
176,571	FED HM LN PC POOL G08716	\$175,918
65,197	FED HM LN PC POOL G08720	\$67,766
76,324	FED HM LN PC POOL G61464	\$77,942
58,020	FNMA POOL MA2078	\$59,204
113,373	FNMA POOL AL7091	\$110,420
222,107	FNMA POOL BE3695	\$220,983
84,531	FNMA POOL AH3586	\$86,698
96,593	FNMA POOL BM3655	\$99,119
64,815	FNMA POOL AO4622	\$66,593
71,380	FNMA POOL AS7801	\$71,078
106,039	FNMA POOL BF0072	\$111,578
554,827	FNMA POOL CA1765	\$552,020
89,167	FNMA POOL BC6009	\$88,863
95,097	FNMA POOL AS6005	\$94,791
56,806	FNMA POOL MA2654	\$59,002
203,685	FNMA POOL AH1515	\$208,957
192,654	FNMA POOL MA2019	\$199,061
239,642	FNMA POOL MA2046	\$242,278

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10A COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
105,078	FNMA POOL MA2683	\$107,142
149,658	FNMA POOL 878732	\$162,618
23,110	FNMA POOL AE5528	\$23,807
100,396	FNMA POOL AL1819	\$100,635
15,115	FNMA POOL AE5529	\$15,619
267,507	FNMA POOL AB7946	\$261,269
59,982	FNMA POOL AZ3900	\$59,864
81,925	FNMA POOL CA0770	\$81,510
158,911	FNMA POOL AL3190	\$164,181
90,672	FNMA POOL AS0489	\$88,793
78,824	FNMA POOL BC0247	\$80,353
225,031	FNMA POOL AS4578	\$231,748
185,544	FNMA POOL AR6378	\$181,179
82,142	FNMA POOL BF0068	\$84,827
163,772	FNMA POOL BH5752	\$162,943
90,053	FNMA POOL BK5202	\$91,731
353,356	FNMA POOL MA2055	\$365,109
323,009	FNMA POOL AS7388	\$321,739
97,846	FNMA POOL MA2806	\$94,777
42,130	FNMA POOL MA2028	\$43,985
102,580	FNMA POOL BF0091	\$101,747
82,033	FNMA POOL BF0185	\$86,318
85,834	FNMA POOL MA2676	\$84,743
400,000	FNMA TBA 30 YR 4	\$406,828
26,218	FNMA POOL AI3884	\$27,233
141,912	FNMA POOL AY8857	\$144,756
68,289	FNMA POOL MA3182	\$67,943
60,472	FNMA POOL BJ4608	\$60,389
3,290	FNMA POOL AL4416	\$3,325
179,732	GNMA POOL 778794	\$181,098
50,753	GNMA POOL 717997	\$54,244
69,980	GNMA POOL 710935	\$75,379
68,645	GNMA POOL 669977	\$67,436
90,084	GNMA II POOL BB5156	\$90,522
87,361	GNMA II POOL AL4517	\$87,781
82,951	GNMA II POOL AQ0095	\$83,405
90,518	GNMA II POOL AX3919	\$92,859
90,375	GNMA II POOL AZ8788	\$92,730
159,265	GNMA II POOL MA3663	\$160,145
65,607	GNMA II POOL AM8046	\$64,411
199,210	GNMA II POOL BC4803	\$200,145
95,914	GNMA II POOL BA8983	\$98,420
48,002	GNMA II POOL 005205	\$51,633
83,737	GNMA II POOL AM5249	\$84,195
205,000	TENN VALLEY AUTHORITY	\$203,087
272,000	US TREASURY N/B	\$255,457

BURROUGHS WELLCOME FUND**990-PF FOR 2017****FISCAL YEAR ENDED 8/31/2018****PART II LINE 10A COLUMN (B) and (C)**

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
200,000	SAUDI INTERNATIONAL BOND	\$192,000
221,000	US TREASURY N/B	\$217,625
14,000	US TREASURY N/B	\$13,938
155,000	FEDERAL HOME LOAN BANK	\$154,220
355,000	FEDERAL FARM CREDIT BANK	\$355,163
145,000	FEDERAL FARM CREDIT BANK	\$145,000
51,000	US TREASURY N/B	\$51,026
14,000	US TREASURY N/B	\$14,027
251,813	TSY INFL IX N/B	\$312,887
166,000	US TREASURY N/B	\$165,799
581,000	US TREASURY N/B	\$534,590
205,000	FED REPUBLIC OF BRAZIL	\$181,735
163,000	US TREASURY N/B	\$158,932
165,000	US TREASURY N/B	\$141,346
423,000	FREDDIE MAC	\$419,261
310,000	FEDERAL FARM CREDIT BANK	\$310,140
284,000	US TREASURY N/B	\$284,332
210,000	FEDERAL FARM CREDIT BANK	\$209,456
356,000	FEDERAL FARM CREDIT BANK	\$354,850
50,000	UNITED MEXICAN STATES	\$53,250
60,000	US TREASURY N/B	\$57,160
318,000	US TREASURY N/B	\$287,478
423,000	US TREASURY N/B	\$419,218
196,000	FEDERAL FARM CREDIT BANK	\$195,308
95,000	FEDERAL HOME LOAN BANK	\$94,784
75,000	FEDERAL HOME LOAN BANK	\$74,705
133,000	FEDERAL FARM CREDIT BANK	\$132,569
254,000	FEDERAL FARM CREDIT BANK	\$254,000
244,000	FEDERAL FARM CREDIT BANK	\$244,605
184,880	TSY INFL IX N/B	\$204,792
40,000	US TREASURY N/B	\$34,266
103,000	US TREASURY N/B	\$99,338
81,000	US TREASURY N/B	\$80,276
112,000	ONTARIO (PROVINCE OF)	\$109,412
752,000	US TREASURY N/B	\$739,133
316,000	FEDERAL FARM CREDIT BANK	\$313,156
165,000	FEDERAL HOME LOAN BANK	\$164,495
545,000	FEDERAL HOME LOAN BANK	\$543,752
440,000	FEDERAL HOME LOAN BANK	\$439,666
19,364	NEW VALLEY GENERATION I	\$19,758
280,000	US TREASURY N/B	\$266,448
792,000	US TREASURY N/B	\$726,723
34,000	US TREASURY N/B	\$33,135
176,000	FREDDIE MAC	\$175,268
525,000	US TREASURY N/B	\$498,440
125,000	US TREASURY N/B	\$124,766

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10A COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
106,000	FREDDIE MAC	\$95,620
85,000	FEDERAL HOME LOAN BANK	\$85,003
66,854	TSY INFL IX N/B	\$62,846
270,000	US TREASURY N/B	\$257,270
174,000	US TREASURY N/B	\$169,671
28,000	US TREASURY N/B	\$26,589
625,000	US TREASURY N/B	\$606,131
371,000	FEDERAL FARM CREDIT BANK	\$371,000
457,000	FEDERAL FARM CREDIT BANK	\$455,688
123,000	FEDERAL FARM CREDIT BANK	\$122,144
364,000	FREDDIE MAC	\$363,556
150,000	PROVINCE OF QUEBEC	\$144,881
820,000	US TREASURY N/B	\$785,954
160,000	FEDERAL HOME LOAN BANK	\$159,019
486,000	US TREASURY N/B	\$497,295
600,000	FREDDIE MAC	\$599,730
200,000	FEDERAL HOME LOAN BANK	\$199,984
116,000	US TREASURY N/B	\$104,921
165,000	FEDERAL HOME LOAN BANK	\$163,830
483,000	US TREASURY N/B	\$459,531
198,000	FEDERAL FARM CREDIT BANK	\$196,638
224,000	FEDERAL FARM CREDIT BANK	\$224,000
349,000	FEDERAL FARM CREDIT BANK	\$349,157
357,000	FREDDIE MAC	\$357,064
215,000	FEDERAL FARM CREDIT BANK	\$214,179
20,000	TREASURY BILL	\$19,828
TOTAL PART II LINE 10A COLUMN (B) and (C)		\$ 29,995,795

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
3,750,965	STATE STREET INSTITUTIONAL US	\$3,750,965
27,800	LEXINGTON REALTY TRUST	\$259,652
3,800	AMGEN INC	\$759,278
14,200	EXXON MOBIL CORP	\$1,138,414
35,500	BANK OF AMERICA CORP	\$1,098,015
14,400	CORNING INC	\$482,544
5,800	TYSON FOODS INC CL A	\$364,298
11,300	EXELON CORP	\$493,923
1,400	JM SMUCKER CO/THE	\$144,732
4,900	MEDICAL PROPERTIES TRUST INC	\$73,745
23,900	AT+T INC	\$763,366
12,400	PILGRIM S PRIDE CORP	\$229,276
7,400	VOYA FINANCIAL INC	\$370,518
3,533	RR DONNELLEY + SONS CO	\$17,877
5,675	XEROX CORP	\$158,106
1,887	SUPERVALU INC	\$60,931
76	STATE STREET INSTITUTIONAL US	\$76
2,873	GAZPROM PAO SPON ADR	\$12,670
1,000	GUOCO GROUP LTD	\$16,588
9,490	DIAGEO PLC	\$332,356
1,502	KERRY GROUP PLC A	\$171,699
16,006	CEZ AS	\$407,474
2,850	SAMSUNG ELECTRONICS CO LTD	\$124,047
818	OLAV THON EIENDOMSELSKAP	\$14,281
10,000	HARBOUR CENTRE DEVELOPMENT	\$19,366
600	NITTO FUJI FLOUR MILLING CO	\$27,488
170,000	CHINA PETROLEUM + CHEMICAL H	\$170,890
4,000	MEIKO TRANS CO LTD	\$43,324
3,714	AAREAL BANK AG	\$151,373
41,000	PTT PCL NVDR	\$65,765
1,300	BANK OF NOVA SCOTIA	\$75,301
3,385	BURBERRY GROUP PLC	\$98,376
2,500	ALFRESA HOLDINGS CORP	\$62,835
900	NAFCO CO LTD	\$14,894
11,389	BIM BIRLESİK MAGAZALAR AS	\$125,546
1,800	DAISHO CO LTD	\$21,915
17,957	CONYGAR INVESTMENT CO PLC	\$41,194
19,900	PTT EXPLOR + PROD PCL NVDR	\$86,641
7,881	COCA COLA ICECEK AS	\$33,989
308	CA ATLANTIQUE VENDEE CCI	\$46,587
8,000	BCE INC	\$326,160
423,000	IND + COMM BK OF CHINA H	\$311,501
3,381	LOBLAW COMPANIES LTD	\$175,020
1,200	AOHATA CORP	\$28,245
200	ALLIED PROPERTIES REAL ESTAT	\$6,686
6,484	CHUNGHWA TELECOM LT SPON ADR	\$228,172
529	ICON PLC	\$78,832
203	VOYAGEURS DU MONDE	\$33,303
29,036	YENİ GİMAT GAYRİMENKUL ORTAK	\$35,340

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
5,700	MAXVALU CHUBU CO LTD	\$76,336
32,100	LH SHOPPING CENTERS LEASEHOL	\$15,986
276	POLYUS PJSC SPONSORED ADR	\$11,121
73	HARVEST	\$6,370
1,200	ENERGISA SA UNITS	\$8,796
28,000,000	CAMDEN BONDS PLUS FUND LLC	\$29,323,476
4,351	KORN/FERRY INTERNATIONAL	\$292,083
8,121	EL PASO ELECTRIC CO	\$497,817
11,018	HANCOCK WHITNEY CORP	\$567,978
16,343	MATRIX SERVICE CO	\$341,569
10,061	STIFEL FINANCIAL CORP	\$562,108
4,280	S + T BANCORP INC	\$199,705
31,228	TRUSTCO BANK CORP NY	\$288,859
32,835	AMERICAN AXLE + MFG HOLDINGS	\$581,508
19,644	ASHFORD HOSPITALITY TRUST	\$127,490
5,485	NELNET INC CL A	\$316,210
7,163	ENTERPRISE FINANCIAL SERVICE	\$403,277
6,647	EMERGENT BIOSOLUTIONS INC	\$412,114
12,243	EMPLOYERS HOLDINGS INC	\$561,342
7,571	CENTRAL GARDEN AND PET CO A	\$275,054
26,220	PREFERRED APARTMENT COMMUN A	\$467,240
8,541	XO GROUP INC	\$256,742
6,412	PDC ENERGY INC	\$337,848
20,972	NMI HOLDINGS INC CLASS A	\$452,995
7,385	TRINSEO SA	\$569,753
27,950	HERSHA HOSPITALITY TRUST	\$659,620
9,225	DELEK US HOLDINGS INC	\$502,763
1,000	JARDINE MATHESON HLDGS LTD	\$63,120
5,575	DNB ASA	\$113,864
3,610	SAP SE	\$435,228
1,822	SAMPO OYJ A SHS	\$93,424
3,029	RHEINMETALL AG	\$330,997
800	SMC CORP	\$266,727
1,500	UNICHARM CORP	\$49,132
700	TDK CORP	\$78,847
4,800	KANSAI PAINT CO LTD	\$95,104
10,188	ERICSSON LM B SHS	\$86,018
1,311	ESSILORLUXOTTICA	\$189,601
20,400	RENEASAS ELECTRONICS CORP	\$154,538
1,700	ASAHI INTECC CO LTD	\$64,928
5,459	SAFRAN SA	\$713,278
9,000	ROYAL DUTCH SHELL PLC B SHS	\$297,181
11,053	LINK REIT	\$110,123
18,233	TAG IMMOBILIEN AG	\$449,739
7,600	LONDON STOCK EXCHANGE GROUP	\$456,763
3,380	DSV A/S	\$317,449
78,416	OCADO GROUP PLC	\$1,093,104
37,300	SAMSONITE INTERNATIONAL SA	\$150,647
1,648	DKSH HOLDING AG	\$120,307

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
7,332	NOVO NORDISK A/S B	\$360,158
1,310	EURONEXT NV	\$86,269
8,846	SVENSKA.HANDELSBANKEN A SHS	\$107,326
2,866	GRIFOLS SA B	\$61,023
1,052	DWS GROUP GMBH + CO KGAA	\$31,989
7,000	CYBERAGENT INC	\$398,972
11,600	SOFTBANK GROUP CORP	\$1,077,513
71,902	GRUPO FINANCIERO BANORTE O	\$492,095
4,292	CANADIAN PACIFIC RAILWAY LTD	\$903,681
17,200	SEVEN + I HOLDINGS CO LTD	\$701,898
739	PARTNERS GROUP HOLDING AG	\$581,511
9,190	LONDON STOCK EXCHANGE GROUP	\$552,323
9,830	HEXAGON AB B SHS	\$584,434
1,154,934	CHINA LONGYUAN POWER GROUP H	\$972,635
10,507	NXP SEMICONDUCTORS NV	\$978,622
13,657	PANDORA A/S	\$817,809
76,066	BANCO BILBAO VIZCAYA ARGENTA	\$475,260
9,200	HOYA CORP	\$539,049
3,386	DEUTSCHE BOERSE AG	\$468,814
2,514,472	STATE STREET INSTITUTIONAL US	\$2,514,472
1,247	STATE STREET INSTITUTIONAL US	\$1,247
11,450	HEALTH CARE SELECT SECTOR SPDR	\$1,062,331
26,639	SPDR S+P DIVIDEND ETF	\$2,617,815
2,900	SUN COMMUNITIES INC	\$299,222
5,300	ALLSTATE CORP	\$533,021
1,600	NORTHROP GRUMMAN CORP	\$477,584
7,900	COPART INC	\$508,049
7,300	BAXTER INTERNATIONAL INC	\$542,901
1,100	KIMBERLY CLARK CORP	\$127,094
1,500	AVALONBAY COMMUNITIES INC	\$274,935
2,400	ECOLAB INC	\$361,152
300	PAYCHEX INC	\$21,975
6,100	TYSON FOODS INC CL A	\$383,141
3,100	ZIMMER BIOMET HOLDINGS INC	\$383,253
1,300	3M CO	\$274,196
200	WESTLAKE CHEMICAL CORP	\$18,914
10,400	AT+T INC	\$332,176
1,300	SPIRIT AEROSYSTEMS HOLD CL A	\$111,150
200	MSCI INC	\$36,052
3,100	FORTINET INC	\$259,656
4,500	MOTOROLA SOLUTIONS INC	\$577,620
300	PVH CORP	\$42,948
1,300	GAMING AND LEISURE PROPERTIE	\$46,527
500	L3 TECHNOLOGIES INC	\$106,860
9,919	INTUIT INC	\$2,176,923
1,346	AMAZON.COM INC	\$2,709,108
8,320	EDWARDS LIFESCIENCES CORP	\$1,200,077
1,723	ALPHABET INC CL C	\$2,098,941
8,500	NIPPON SHINYAKU CO LTD	\$500,564

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
102,500	WUXI BIOLOGICS CAYMAN INC	\$1,012,085
2	KINDER MORGAN INC	\$35
7,600	HOSPITALITY PROPERTIES TRUST	\$220,324
7,700	KEYCORP	\$162,239
7,900	APPLIED MATERIALS INC	\$339,858
3,100	CABOT CORP	\$201,252
5,000	CAPITAL ONE FINANCIAL CORP	\$495,450
2,800	KIMBERLY CLARK CORP	\$323,512
5,700	STATE STREET CORP	\$495,387
14,400	VERIZON COMMUNICATIONS INC	\$782,928
7,500	CHEVRON CORP	\$888,450
29,100	REGIONS FINANCIAL CORP	\$566,286
3,300	AMERIPRISE FINANCIAL INC	\$468,468
5,600	GAMESTOP CORP CLASS A	\$74,312
6,500	MERCK + CO INC.	\$445,835
12,400	GENERAL MOTORS CO	\$447,020
3,700	EXPRESS SCRIPTS HOLDING CO	\$325,674
13,400	HEWLETT PACKARD ENTERPRISE	\$221,502
2,117	DELL TECHNOLOGIES INC CL V	\$203,592
6,000	KFC HOLDINGS JAPAN LTD	\$108,004
5,406	ITERA ASA	\$7,434
5,929	TELEKOMUNIK INDONESIA SP ADR	\$140,339
338	KBC GROUP NV	\$24,068
238	VALORA HOLDING AG REG	\$69,153
13,687	BHP BILLITON LIMITED	\$328,727
6,572	VOESTALPINE AG	\$295,462
11,262	SONIC HEALTHCARE LTD	\$213,309
10,369	KT CORP	\$269,204
2,596	OCEAN WILSONS HOLDINGS LTD	\$36,778
5,100	JOBAN KOSAN CO LTD	\$85,364
86,000	LE SAUNDA HOLDINGS LTD	\$12,272
15,100	JMS CO LTD	\$83,749
13,545	STEEL + TUBE HOLDINGS LTD	\$11,144
69	ELECTRICITE DE STRASBOURG RG	\$9,192
1,762	FIELMANN AG	\$119,213
1,000	TOKYU RECREATION CO LTD	\$43,784
12,872	GLAXOSMITHKLINE PLC	\$261,061
18,000	SUN HING VISION GROUP HLDGS	\$6,077
636,000	CHINA TELECOM CORP LTD H	\$299,002
3,200	BIOFERMIN PHARMACEUTICAL CO	\$79,650
6,700	SINGAPORE TELECOMMUNICATIONS	\$15,796
7,053	ANADOLU EFES BIRACILIK VE	\$22,259
8,145	PINAR ENTEGRE ET VE UN SANAY	\$7,392
1,124	GRUPO SIMEC SAB SPON ADR	\$9,509
2,453	RAIFFEISEN BANK INTERNATIONA	\$69,925
1,740	PARGESA HOLDING SA BR	\$141,686
15,000	CHINA CONSTRUCTION BANK H	\$13,282
6,065	CARETECH HOLDINGS PLC	\$30,349
12,977	ORGANIZACION SORIANA S.A B B	\$23,761

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
202	SVENSKA CELLULOSE AB SCA B	\$2,354
16	CA SUD RHONE ALPES CCI	\$3,692
2,400	CAN APARTMENT PROP REAL ESTA	\$85,328
6,613	SAMWONSTEEL CO LTD	\$17,941
100	TAISHO PHARMACEUTICAL HOLDIN	\$10,858
1,400	MAXVALU KYUSHU CO LTD	\$33,117
800	WPT INDUSTRIAL REAL ESTATE I	\$11,064
27,380	ASIA UNITED BANK	\$30,213
2,350	FNAC DARTY SA	\$198,778
6,018	IMIMOBILE PLC	\$28,785
8,443	CAMBRIA AUTOMOBILES PLC	\$6,200
700	OM2 NETWORK CO LTD	\$10,628
5,788	COCA COLA EUROPEAN PARTNERS	\$246,800
5,308	AUSTRALIAN UNITY OFFICE FUND	\$10,326
5,700	NISHI NIPPON FINANCIAL HOLDI	\$66,363
237	L D.C. SA	\$34,744
96,659	STATE STREET INSTITUTIONAL US	\$96,659
28,552	GULFPORT ENERGY CORP	\$335,772
5,470	FINANCIAL INSTITUTIONS INC	\$176,681
2,241	GREAT SOUTHERN BANCORP INC	\$132,891
40,568	NEWPARK RESOURCES INC	\$425,964
73,995	TETRA TECHNOLOGIES INC	\$339,637
2,367	UNIFIRST CORP/MA	\$438,368
3,906	SAFETY INSURANCE GROUP INC	\$377,710
9,857	ANGIODYNAMICS INC	\$220,994
9,506	KOPPERS HOLDINGS INC	\$336,988
19,038	CIENA CORP	\$601,220
7,291	EAGLE BANCORP INC	\$392,620
19,198	HIBBETT SPORTS INC	\$394,519
33,440	IRIDIUM COMMUNICATIONS INC	\$677,160
10,376	BOISE CASCADE CO	\$453,431
11,724	PHIBRO ANIMAL HEALTH CORP A	\$553,373
49,605	INVESTORS BANCORP INC	\$634,944
5,312	FRANKLIN FINANCIAL NETWORK	\$205,309
12,506	EXTERRAN CORP	\$342,539
15,235	INFRATIL LTD	\$34,419
1,500	HONG KONG EXCHANGES + CLEAR	\$42,694
503	RIO TINTO PLC	\$23,922
5,100	SOFTBANK GROUP CORP	\$473,734
600	SUZUKI MOTOR CORP	\$39,122
5,924	SHAFTESBURY PLC	\$71,107
2,116	ASSOCIATED BRITISH FOODS PLC	\$62,954
3,600	NIFCO INC	\$99,022
2,048	GENMAB A/S	\$355,098
2,466	ADECCO GROUP AG REG	\$151,413
1,086	ORPEA	\$147,205
8,001	SEEK LTD	\$129,614
12,715	GREENE KING PLC	\$80,434
1,246	UBISOFT ENTERTAINMENT	\$134,331

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
850	RECKITT BENCKISER GROUP PLC	\$72,463
1,400	HOSHIZAKI CORP	\$133,075
3,524	JULIUS BAER GROUP LTD	\$187,733
50,600	AIA GROUP LTD	\$436,446
3,384	ASML HOLDING NV	\$691,544
74,689	VODAFONE GROUP PLC	\$159,692
2,122	EVOLUTION GAMING GROUP	\$162,696
1,919	COVESTRO AG	\$163,840
1,269,311	STATE STREET INSTITUTIONAL US	\$1,269,311
15,000	DIAGEO PLC	\$525,326
4,694	ALIBABA GROUP HOLDING SP ADR	\$821,497
667,044	STATE STREET INSTITUTIONAL US	\$667,044
20	STATE STREET INSTITUTIONAL US	\$20
8,102	FRESENIUS SE + CO KGAA	\$620,087
12,611	RECKITT BENCKISER GROUP PLC	\$1,075,095
179,000	FIBRA UNO ADMINISTRACION SA	\$234,604
95,120	GRUPO ARGOS SA	\$594,742
13,667	NOVO NORDISK A/S B	\$671,342
24,005	ATLAS COPCO AB A SHS	\$684,960
433	STATE STREET INSTITUTIONAL US	\$433
38,000	RUSSELL 2000 VALUE SL CTF	\$2,301,975
145,784	MSCI EMERGING MARKETS FREE CTF	\$4,063,864
14,000	SPDR S+P TELECOM ETF	\$1,078,486
800	ERIE INDEMNITY COMPANY CL A	\$98,824
3,500	STRYKER CORP	\$593,005
700	CITRIX SYSTEMS INC	\$79,814
2,200	M + T BANK CORP	\$389,730
4,300	AMERICAN FINANCIAL GROUP INC	\$478,848
1,600	EVEREST RE GROUP LTD	\$356,832
1,400	HUMANA INC	\$466,564
3,000	JACK HENRY + ASSOCIATES INC	\$475,320
10,100	ORACLE CORP	\$490,658
7,700	WALMART INC	\$738,122
3,800	CADENCE DESIGN SYS INC	\$178,752
6,900	ELI LILLY + CO	\$728,985
300	COLGATE PALMOLIVE CO	\$19,923
300	VERISIGN INC	\$47,583
7,400	AMDOCS LTD	\$483,072
12,800	MFA FINANCIAL INC	\$98,048
1,600	MORNINGSTAR INC	\$227,712
300	C H. ROBINSON WORLDWIDE INC	\$28,824
4,100	ACCENTURE PLC CL A	\$693,187
6,100	FIRST AMERICAN FINANCIAL	\$346,846
1,900	HUNTINGTON INGALLS INDUSTRIE	\$464,493
4,052	SHERWIN WILLIAMS CO/THE	\$1,846,010
43,391	GENPACT LTD	\$1,329,500
349	PUMA SE	\$191,661
39,820	ICICI BANK LTD SPON ADR	\$383,467
73,360	FIRST QUANTUM MINERALS LTD	\$920,973

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
7,300	MACK CALI REALTY CORP	\$159,432
8,000	ALLSTATE CORP	\$804,560
1,000	RYDER SYSTEM INC	\$76,840
26,100	CISCO SYSTEMS INC	\$1,246,797
33,800	PFIZER INC	\$1,403,376
6,700	WELLS FARGO + CO	\$391,816
7,600	JOHNSON + JOHNSON	\$1,023,644
5,200	METLIFE INC	\$238,628
35,800	FORD MOTOR CO	\$339,384
12,900	JPMORGAN CHASE + CO	\$1,478,082
6,600	PRUDENTIAL FINANCIAL INC	\$648,450
1,300	SKYWORKS SOLUTIONS INC	\$118,690
3,000	WYNDHAM DESTINATIONS INC	\$132,600
1,670	ANTHEM INC	\$442,099
8,900	WALGREENS BOOTS ALLIANCE INC	\$610,184
1,151	DXC TECHNOLOGY CO	\$104,845
472	BRIGHTHOUSE FINANCIAL INC	\$19,593
297,700	ISHARES RUSSELL 2000 GROWTH ET	\$65,592,241
89,969	BARINGS GLOBAL LOAN FUND	\$11,455,691
1,300	SHINOBU FOODS PRODUCTS CO	\$8,324
1,200	SHINKI BUS CO LTD	\$41,232
2,700	CHUBU STEEL PLATE CO LTD	\$16,363
300	HOKURIKU GAS CO LTD	\$8,225
900	NAKANISHI INC	\$18,132
965	CRH PLC	\$32,021
1,000	HOKKAIDO COCA COLA BOTTLING	\$33,278
2,681	RADWARE LTD	\$74,264
12,449	CONTACT ENERGY LTD	\$45,843
13,300	NTT DOCOMO INC	\$346,039
49,449	BANK HAPOLIM BM	\$371,204
83,900	TENAGA NASIONAL BHD	\$320,125
135	GAUMONT SA	\$21,755
37,550	UNION BANK OF PHILIPPINES	\$53,444
807	KONGSBERG GRUPPEN ASA	\$15,286
19,700	HONG LEONG FINANCE LTD	\$37,386
9,774	CIA CERVECERIAS UNI SPON ADR	\$258,034
878	BIOGAIA AB B SHS	\$46,992
491	EQUINOR ASA	\$12,629
700	LASSONDE INDS INC CLASS A	\$128,308
17,986	CREDIT AGRICOLE SA	\$246,768
400	JICHODO CO LTD	\$29,292
500	HEIAN CEREMONY SERVICE CO	\$4,054
500	CENTRAL AUTOMOTIVE PRODUCTS	\$7,503
1,700	COCO S JAPAN CO LTD	\$35,982
1,400	EBARA FOODS INDUSTRY INC	\$26,615
1,974	CA NORD DE FRANCE CCI	\$49,610
206	GPE GROUPE PIZZORNO	\$5,009
4,497	PREMIER INVESTMENTS LTD	\$63,906
156	STALPRODUKT SA	\$19,625

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
1,518	COMPAGNIE DES ALPES	\$52,897
200	HIKARI FURNITURE CO LTD	\$9,100
7,537	ECOPETROL SA SPONSORED ADR	\$170,336
920	PPHE HOTEL GROUP LTD	\$17,877
362	BAKKAFROST P/F	\$20,726
1,215	INCHCAPE PLC	\$10,928
1,000	OTSUKA HOLDINGS CO LTD	\$46,995
6,852	INTL CONSOLIDATED AIRLINE DI	\$61,522
3,600	TELEFONICA BRASIL S A PREF	\$34,968
6,371	BKW AG	\$453,236
9,808	CHINA BANKING CORP	\$5,852
16,677	FONTERRA SHAREHOLDERS FUND	\$55,437
300	JOLLY PASTA CO LTD	\$4,846
27,562	DORIC NIMROD AIR THREE LTD	\$37,257
2,019	FIBRA SHOP PORTAFOLIOS INMOB	\$1,054
33,190	ROBINSONS RETAIL HOLDINGS IN	\$50,653
467	KAMBI GROUP PLC	\$8,884
500	DYNAC HOLDINGS CORP	\$7,639
3,164	MICROGEN PLC	\$17,190
37,800	JUBILEE ENTERPRISE PCL NVDR	\$22,059
26,790	JD SPORTS FASHION PLC	\$176,887
29,000	IRB BRASIL RESSEGUROS SA	\$418,378
11,288	HUDSON LTD CLASS A	\$232,533
52,000	PTT PCL	\$83,410
7,128	STEEL AND TUBE HOLDINGS	\$899
9,264	SINCLAIR BROADCAST GROUP A	\$268,193
7,636	CSG SYSTEMS INTL INC	\$285,205
6,145	WASHINGTON FEDERAL INC	\$209,545
12,901	HERMAN MILLER INC	\$494,108
5,601	FIRST DEFIANCE FINL CORP	\$179,176
15,912	CATHAY GENERAL BANCORP	\$673,078
5,757	STEPAN CO	\$513,582
5,364	GENESCO INC	\$272,759
8,564	INSIGHT ENTERPRISES INC	\$472,219
8,413	TRICO BANCSHARES	\$327,097
4,887	BANCFIRST CORP	\$311,791
58,547	W+T OFFSHORE INC	\$396,363
20,159	DSW INC CLASS A	\$670,488
16,642	PORTLAND GENERAL ELECTRIC CO	\$772,189
1,563	KAISER ALUMINUM CORP	\$171,289
26,362	HILLTOP HOLDINGS INC	\$547,012
9,970	ARGO GROUP INTERNATIONAL	\$635,089
12,071	KRATON CORP	\$567,699
33,137	PIEDMONT OFFICE REALTY TRU A	\$657,438
8,338	TOWER INTERNATIONAL INC	\$281,824
15,711	AMERICAN ASSETS TRUST INC	\$620,585
14,821	CENTRAL PACIFIC FINANCIAL CO	\$419,879
42,383	SMART + FINAL STORES INC	\$296,681
100	FAST RETAILING CO LTD	\$46,724

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
880	KEYENCE CORP	\$499,104
3,400	ASAHI GROUP HOLDINGS LTD	\$153,895
15,075	ASAHI KASEI CORP	\$221,601
8,600	DBS GROUP HOLDINGS LTD	\$156,615
600	DAIKIN INDUSTRIES LTD	\$76,674
7,721	HALMA PLC	\$143,706
613,671	CAPITAL GUARDIAN	\$9,082,330
980	MTU AERO ENGINES AG	\$215,389
10,944	INMARSAT PLC	\$77,438
175,677	THOMAS COOK GROUP PLC	\$190,775
22,300	CAPITA PLC	\$43,042
500	ALIMENTATION COUCHE TARD B	\$23,958
11,600	WYNN MACAU LTD	\$32,292
537	CIE FINANCIERE RICHEMONT REG	\$47,587
13,100	AGGREKO PLC	\$142,786
102,555	BCA MARKETPLACE PLC	\$314,578
227	VAT GROUP AG	\$29,411
16,000	BANCO BPM SPA	\$36,100
13,196	MICRO FOCUS INTERNATIONAL	\$223,827
7,362	STATE STREET INSTITUTIONAL US	\$7,362
59,481	MANULIFE FINANCIAL CORP	\$1,088,502
1,226	KEYENCE CORP	\$695,343
4,873	KERRY GROUP PLC A	\$557,051
137,500	TORAY INDUSTRIES INC	\$1,033,808
14,541	GRIFOLS SA	\$428,544
0	STATE STREET INSTITUTIONAL US	\$0
114,291	BP PLC	\$813,012
2,228	ALLIANZ SE REG	\$476,046
11,367	EQUINOR ASA	\$292,375
20,900	TOKIO MARINE HOLDINGS INC	\$987,088
550,331	TELECOM ITALIA SPA	\$351,530
6,510	HEINEKEN NV	\$644,883
23,556	GRUPO AVAL ACCIONES Y VALORE	\$186,328
3,400	EDISON INTERNATIONAL	\$223,482
4,600	DARDEN RESTAURANTS INC	\$533,784
343	MID AMERICA APARTMENT COMM	\$35,521
4,700	ENTERGY CORP	\$392,873
600	THERMO FISHER SCIENTIFIC INC	\$143,460
3,900	BROWN + BROWN INC	\$118,872
100	JONES LANG LASALLE INC	\$15,252
1,900	HOME DEPOT INC	\$381,463
4,000	ABBOTT LABORATORIES	\$267,360
4,300	TEXAS INSTRUMENTS INC	\$483,320
2,500	SIMON PROPERTY GROUP INC	\$457,575
5,600	FISERV INC	\$448,392
700	RALPH LAUREN CORP	\$92,967
800	MICHAEL KORS HOLDINGS LTD	\$58,096
1,800	EXPRESS SCRIPTS HOLDING CO	\$158,436
900	EPR PROPERTIES	\$63,162

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
11,300	APPLE HOSPITALITY REIT INC	\$199,445
4,200	HIGHWOODS PROPERTIES INC	\$208,908
8,974	ESTEE LAUDER COMPANIES CL A	\$1,257,437
7,889	THERMO FISHER SCIENTIFIC INC	\$1,886,260
7,226	COSTCO WHOLESALE CORP	\$1,684,597
14,086	TJX COMPANIES INC	\$1,549,037
12,725	DEXCOM INC	\$1,837,236
4,018	FLEETCOR TECHNOLOGIES INC	\$858,807
8,960	ALIBABA GROUP HOLDING SP ADR	\$1,568,090
16,427	BWX TECHNOLOGIES INC	\$1,007,304
834	BOOKING HOLDINGS INC	\$1,627,593
8,100	ORPEA	\$1,097,936
11,710	ASML HOLDING NV NY REG SHS	\$2,401,136
12,540	ALIBABA GROUP HOLDING SP ADR	\$2,194,625
9,930	BROADCOM INC	\$2,174,968
2,500	PACKAGING CORP OF AMERICA	\$274,800
30,700	ANNALY CAPITAL MANAGEMENT IN	\$326,034
6,900	UNUM GROUP	\$254,472
3,300	CIRRUS LOGIC INC	\$145,035
2,500	GILEAD SCIENCES INC	\$189,325
4,700	PNC FINANCIAL SERVICES GROUP	\$674,638
3,900	CARDINAL HEALTH INC	\$203,541
3,200	GOLDMAN SACHS GROUP INC	\$760,992
2,100	ASSURANT INC	\$215,922
12,900	HUNTSMAN CORP	\$393,321
9,700	WESTERN UNION CO	\$183,524
3,600	LEAR CORP	\$583,920
16,100	CITIGROUP INC	\$1,146,964
3,700	MARATHON PETROLEUM CORP	\$304,473
4,800	EATON CORP PLC	\$399,072
1,325	LSC COMMUNICATIONS INC	\$16,205
287	FLEURY MICHON SA	\$17,030
3,500	KOMERI CO LTD	\$86,107
4,100	BANK OF MONTREAL	\$336,345
4,600	ROYAL BANK OF CANADA	\$365,686
411	SSE PLC	\$6,693
2,699	MERCK KGAA	\$284,133
4,045	DEUTSCHE LUFTHANSA REG	\$105,846
3,358	SANOFI	\$287,909
1,500	AUTOBACS SEVEN CO LTD	\$25,540
28,630	BANK LEUMI LE ISRAEL	\$192,728
410	KERUR HOLDINGS LTD	\$11,072
1,177	OLVI OYJ A SHARES	\$42,863
204	PSB INDUSTRIES	\$12,105
2,824	HALLENSTEIN GLASSON HOLDINGS	\$11,786
1,600	OENON HOLDINGS INC	\$5,873
12,000	GOURMET KINEYA CO LTD	\$134,410
16,075	WAREHOUSE GROUP LIMITED/THE	\$21,758
4,000	WING ON CO INTERNATIONAL LTD	\$14,779

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
167	CHECK POINT SOFTWARE TECH	\$19,404
2,600	ALPS LOGISTICS CO LTD	\$19,696
1,112	ROCHE HOLDING AG GENUSSSCHEIN	\$276,879
800	KANEMI CO LTD	\$22,762
2,840	PEUGEOT SA	\$78,313
800	MORISHITA JINTAN CO LTD	\$18,989
1,000	QUEBECOR INC CL B	\$20,154
332	CHINA TELECOM CORP LTD ADR	\$15,670
12,300	SIAM CEMENT PCL NVDR	\$169,863
3,400	STEP CO LTD	\$47,557
430	VIENNA INSURANCE GROUP AG	\$11,747
4,379	MAINFREIGHT LTD	\$81,934
3,400	DAIICHI SANKYO CO LTD	\$133,013
4,641	EBIQUITY PLC	\$2,865
8,983	GAZPROM NEFT SPONSORED ADR	\$221,880
2,200	MAXVALU NISHINIHON CO LTD	\$35,415
29,843	SURGUTNEFTEGAS SP ADR	\$124,147
468	LE BELIER	\$25,157
1,680	TENAGA NASIONAL SPONS ADR	\$25,771
4,198	NONI B LTD	\$10,596
102,600	QUALITY HOUSES LEASEHOLD PRO	\$38,557
37,371	ORKLA ASA	\$308,345
5,754	GRUPO SIMEC S A SER B	\$16,359
5,607	ROSTELECOM SPONSORED ADR	\$33,698
300	POWER FINANCIAL CORP	\$7,001
1,268	INCHEON CITY GAS CO LTD	\$34,515
30,307	GROUND RENTS INCOME FUND PLC	\$41,657
3,080	MATAS A/S	\$30,187
3,185	PLUS500 LTD	\$63,503
27,800	IMPACT GROWTH REAL ESTATE IN	\$15,713
185,755	LA COMER SAB DE CV	\$205,957
241	ISRAEL DISCOUNT UNSPON ADR	\$8,616
5,900	BANGKOK INSURANCE PUBLI NVDR	\$62,912
412,151	STATE STREET INSTITUTIONAL US	\$412,151
13,538	INTERNATIONAL BANCSHARES CRP	\$634,255
5,484	APOGEE ENTERPRISES INC	\$269,922
19,699	BRANDYWINE REALTY TRUST	\$330,155
22,228	CALLON PETROLEUM CO	\$251,176
13,212	HORACE MANN EDUCATORS	\$611,716
11,496	MYRIAD GENETICS INC	\$572,386
10,729	RUSH ENTERPRISES INC CL A	\$460,918
8,395	HMS HOLDINGS CORP	\$269,060
33,514	ACCO BRANDS CORP	\$415,574
7,611	VIRTUSA CORP	\$443,417
10,007	BANNER CORPORATION	\$643,750
6,240	GLOBAL BRASS + COPPER HOLDIN	\$240,552
33,573	ASSERTIO THERAPEUTICS INC	\$214,196
7,698	AIRBUS SE	\$951,730
5,302	OIL SEARCH LTD	\$34,356

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
13,204	PRUDENTIAL PLC	\$297,759
8,009	ASTRAZENECA PLC	\$603,242
4,800	CITY DEVELOPMENTS LTD	\$32,513
600	NINTENDO CO LTD	\$217,306
2,400	NTT DOCOMO INC	\$62,443
30,502	TULLOW OIL PLC	\$92,333
5,965	NESTLE SA REG	\$501,946
269	SONOVA HOLDING AG REG	\$51,152
850	TSURUHA HOLDINGS INC	\$97,276
535	PARTNERS GROUP HOLDING AG	\$420,985
34,313	IBERDROLA SA	\$256,387
70	ASML HOLDING NV NY REG SHS	\$14,354
1,500	RECRUIT HOLDINGS CO LTD	\$45,818
11,131	BORR DRILLING LTD	\$46,320
3,649	EPIROC AB B	\$34,931
71	ADYEN NV	\$49,896
2,895	CSL LTD	\$475,911
4,000	NIDEC CORP	\$580,962
16,428	INFINEON TECHNOLOGIES AG	\$418,978
12,560	UNITED INTERNET AG REG SHARE	\$662,286
347	LG HOUSEHOLD + HEALTH CARE	\$394,336
5,405	ESSILORLUXOTTICA	\$781,687
6,941	SAP SE	\$836,820
9,933	TAIWAN SEMICONDUCTOR SP ADR	\$433,079
2,388	L OREAL	\$574,303
26,226	AXA SA	\$663,526
12,890	GRUPO ARGOS SA PRF	\$74,688
8,315	CIE FINANCIERE RICHEMONT REG	\$736,837
4,171	LINDE AG TENDER	\$952,150
33,360	MEDCATH CORPORATION	\$334
282,829	MSCI EAFE INDEX CTF	\$5,748,780
150	AMAZON.COM INC	\$301,907
4,900	CONSOLIDATED EDISON INC	\$386,757
4,200	DTE ENERGY COMPANY	\$466,788
12,900	FIRSTENERGY CORP	\$482,202
300	NU SKIN ENTERPRISES INC A	\$23,880
1,000	CLOROX COMPANY	\$144,980
7,000	MARSH + MCLENNAN COS	\$592,410
4,600	INTEL CORP	\$222,778
1,100	UNITED PARCEL SERVICE CL B	\$135,168
2,800	ADOBE INC	\$737,828
7,100	REPUBLIC SERVICES INC	\$520,856
6,700	VERIZON COMMUNICATIONS INC	\$364,279
3,900	BUNGE LTD	\$253,422
4,000	YUM BRANDS INC	\$347,560
1,100	AXIS CAPITAL HOLDINGS LTD	\$63,272
800	EVERCORE INC A	\$84,920
9,100	MERCK + CO INC	\$624,169
6,300	HUDSON PACIFIC PROPERTIES IN	\$213,192

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
4,100	HCA HEALTHCARE INC	\$549,851
4,900	PROLOGIS INC	\$329,182
800	JAZZ PHARMACEUTICALS PLC	\$136,736
2,600	AON PLC	\$378,456
6,300	POPULAR INC	\$317,142
1,500	BRIGHT HORIZONS FAMILY SOLUT	\$179,145
2,000	PREMIER INC CLASS A	\$88,460
1,600	CONDUENT INC	\$37,088
8,100	PARK HOTELS + RESORTS INC	\$270,945
18,253	SMITH (A.O) CORP	\$1,060,134
4,100	KEYENCE CORP	\$2,325,373
45,600	TENCENT HOLDINGS LTD	\$1,975,309
14	VERINT SYSTEMS INC	\$680
1,900	ARROW ELECTRONICS INC	\$147,307
3,900	PUBLIC SERVICE ENTERPRISE GP	\$204,165
2,300	TIMKEN CO	\$111,895
6,500	VALERO ENERGY CORP	\$766,220
2,400	WHIRLPOOL CORP	\$299,952
1,900	FEDEX CORP	\$463,505
8,700	KOHL'S CORP	\$688,257
4,500	VIACOM INC CLASS B	\$131,760
2,700	SPIRIT AEROSYSTEMS HOLD CL A	\$230,850
2,900	TRAVELERS COS INC/THE	\$381,640
3,400	DOMTAR CORP	\$173,060
13,400	HP INC	\$330,310
0	STATE STREET INSTITUTIONAL US	\$0
1,422	STATE STREET INSTITUTIONAL US	\$1,422
3,638	INFRATIL LTD	\$8,219
2,400	YAMAE HISANO CO LTD	\$28,137
7,400	YAIZU SUIKAGAKU INDUSTRY	\$74,410
1,200	FALCO HOLDINGS CO LTD	\$19,620
69	LAURENT PERRIER GROUP	\$8,871
56,704	GAZPROM PAO SPON ADR	\$251,199
4,500	HURXLEY CORP	\$43,099
3,800	CAN IMPERIAL BK OF COMMERCE	\$356,409
6,400	TORONTO DOMINION BANK	\$386,027
2,851	TESCO PLC	\$9,134
10,405	FISHER + PAYKEL HEALTHCARE C	\$113,152
16,700	ASTELLAS PHARMA INC	\$283,441
29,500	CHINA MOBILE LTD	\$277,376
30,200	KUALA LUMPUR KEPONG BHD	\$181,222
6,536	INDUSTRIAS CH S A B. SER B	\$25,545
896	DONG IL CORP	\$61,577
18,851	EBOS GROUP LTD	\$264,411
17,000	CROSS HARBOUR HOLDINGS LTD	\$28,460
2,200	SUMITOMO DAINIPPON PHARMA CO	\$46,922
17,600	mitsubishi tanabe pharma	\$294,114
2,900	HARUYAMA HOLDINGS INC	\$24,375
18,180	TELENOR ASA	\$343,700

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
4,432	NOVARTIS AG REG	\$368,363
170	CR DE CREDIT AGRICOLE IDF	\$18,098
100	ITOCHU SHOKUHIN CO LTD	\$5,267
400	NIHON SHOKUHIN KAKO CO LTD	\$7,785
52	SAMSE SA	\$9,620
12,017	SWEDISH ORPHAN BIOVITRUM AB	\$383,273
88,071	UK COMMERCIAL PROPERTY REIT	\$102,680
40,300	TRANSMISSORA ALIANCA DE UNIT	\$196,604
313	ABSA BANK LTD PREFERENCE	\$15,273
600	CHOUSHIMARU CO LTD	\$28,949
4,842	YOUGOV PLC	\$31,152
45,610	MANILA ELECTRIC COMPANY	\$318,523
4,802	CRANEWARE PLC	\$142,928
2,600	GAMECARD JOYCO HOLDINGS INC	\$34,726
491,700	MITRA PINASTHIKA MSTK TBK PT	\$32,713
792,600	COSCO CAPITAL INC	\$88,795
53,665	MANX TELECOM PLC	\$117,182
3,610	AKELIUS RESIDENTIAL AB PREF	\$134,934
1,000	BMTC GROUP INC	\$11,557
2,400	JAPAN POST BANK CO LTD	\$28,094
155	WALLISER KANTONALBANK REG	\$17,149
5,634	UNION BANK OF PHILIPPINES	\$1,384
8,186	IDACORP INC	\$801,000
24,919	VISHAY INTERTECHNOLOGY INC	\$593,072
3,244	DECKERS OUTDOOR CORP	\$395,249
15,046	DIODES INC	\$570,544
10,855	KIMBALL INTERNATIONAL B	\$189,637
9,252	MERIT MEDICAL SYSTEMS INC	\$544,480
5,181	CAMBREX CORP	\$349,199
3,943	PEOPLES BANCORP INC	\$141,396
28,921	TTM TECHNOLOGIES	\$540,823
7,214	COMPUTER PROGRAMS + SYSTEMS	\$196,942
13,210	HAWAIIAN HOLDINGS INC	\$548,215
10,662	NORTHWESTERN CORP	\$639,294
8,463	ICF INTERNATIONAL INC	\$691,004
17,403	TRUEBLUE INC	\$509,908
12,326	REXNORD CORP	\$357,824
16,891	CUSTOMERS BANCORP INC	\$417,208
18,112	NATIONAL GENERAL HLDGS	\$494,639
31,454	TRAVELPORT WORLDWIDE LTD	\$584,101
13,200	HAMAMATSU PHOTONICS KK	\$532,119
300	KOSE CORP	\$55,463
5,100	ENBRIDGE INC	\$174,087
2,178	DIAGEO PLC	\$76,277
312,787	LLOYDS BANKING GROUP PLC	\$241,081
4,107	PERNOD RICARD SA	\$649,875
4,600	KUBOTA CORP	\$72,038
2,000	MURATA MANUFACTURING CO LTD	\$346,034
2,400	DENSO CORP	\$115,904

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
1,300	NIDEC CORP	\$188,813
1,800	SHIN ETSU CHEMICAL CO LTD	\$169,229
1,300	SHIMANO INC	\$200,947
55,496	BANK LEUMI LE ISRAEL	\$373,581
51,230	KONINKLIJKE KPN NV	\$131,193
1,356	LAFARGEHOLCIM LTD REG	\$66,181
2,700	CARNIVAL PLC	\$162,517
2,100	ROYAL DUTCH SHELL PLC A SHS	\$68,389
250	ROYAL DUTCH SHELL PLC A SHS	\$8,128
5,700	OVERSEA CHINESE BANKING CORP	\$47,013
3,146	DEUTSCHE WOHNEN SE	\$159,373
17,400	RELX PLC	\$386,727
1,700	MEIJI HOLDINGS CO LTD	\$113,144
3,100	ROLLS ROYCE HOLDINGS PLC	\$40,494
2,126	INDUSTRIA DE DISENO TEXTIL	\$64,437
31,317	ALTICE EUROPE NV	\$94,446
11,522	AIB GROUP PLC	\$64,938
1,298	EPIROC AB A	\$13,496
8,746	FRESENIUS SE + CO KGAA	\$669,375
48,897	CAMECO CORP	\$509,018
7,564	BAYER AG REG	\$707,401
241,200	GRUPO MEXICO SAB DE CV SER B	\$706,677
77,559	CREDIT SUISSE GROUP AG REG	\$1,164,067
6,245	ILIAD SA	\$808,712
38,410	LARSEN + TOUBRO GDR REG S	\$729,790
17,600	TENCENT HOLDINGS LTD	\$762,400
16,161	CELLNEX TELECOM SAU	\$415,929
20,853	ASSA ABLOY AB B	\$425,439
5,491	STATE STREET INSTITUTIONAL US	\$5,491
25,565	DIAGEO PLC	\$895,331
12,985	BANCOLOMBIA S A SPONS ADR	\$563,030
28,818	LAS VEGAS SANDS CORP	\$1,885,274
312	GRUPO DE INV SURAMERICANA PF	\$3,609
90,130	CEMENTOS ARGOS SA	\$266,133
5,188	LIBERTY GLOBAL PLC C	\$134,317
59,055	GRUPO DE INV SURAMERICANA	\$695,958
6,957	ALIBABA GROUP HOLDING SP ADR	\$1,217,545
4,550	BAWAG GROUP AG	\$213,239
24,005	EPIROC AB A	\$249,602
10,200	NEWMONT MINING CORP	\$316,506
1,900	LOCKHEED MARTIN CORP	\$608,779
1,100	COOPER COS INC/THE	\$281,358
500	CRANE CO	\$45,640
5,700	LIBERTY PROPERTY TRUST	\$249,375
100	METTLER TOLEDO INTERNATIONAL	\$58,446
10,200	CONAGRA BRANDS INC	\$374,850
4,700	HONEYWELL INTERNATIONAL INC	\$747,582
2,800	CABOT CORP	\$181,776
18,500	PFIZER INC	\$768,120

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
5,600	SYNOPSYS INC	\$571,984
1,900	BOEING CO/THE	\$651,301
2,300	VECTREN CORP	\$163,760
11,400	US BANCORP	\$616,854
1,700	JM SMUCKER CO/THE	\$175,746
6,200	CARNIVAL CORP	\$381,238
4,500	EQUITY LIFESTYLE PROPERTIES	\$435,960
4,400	FIDELITY NATIONAL INFO SERV	\$475,948
10,800	CA INC	\$473,040
11,500	GENPACT LTD	\$352,360
900	KAR AUCTION SERVICES INC	\$56,421
8,500	SYNOVUS FINANCIAL CORP	\$425,510
6,900	MEDTRONIC PLC	\$665,229
2,900	VISTRA ENERGY CORP	\$68,266
5,200	ENCOMPASS HEALTH CORP	\$424,268
14,701	DANAHER CORP	\$1,522,142
4,074	INTUITIVE SURGICAL INC	\$2,281,440
13,425	SALESFORCE COM INC	\$2,049,729
1,673,417	STATE STREET INSTITUTIONAL US	\$1,673,417
36,270	ASTRAZENECA PLC	\$2,731,874
10,150	BAYER AG REG	\$949,249
88,220	INFINEON TECHNOLOGIES AG	\$2,249,955
86,350	MELCO RESORTS + ENTERT ADR	\$2,062,038
15,200	SENIOR HOUSING PROP TRUST	\$290,472
1,500	AMERICAN FINANCIAL GROUP INC	\$167,040
700	TRINITY INDUSTRIES INC	\$25,088
7,700	PULTEGROUP INC	\$215,215
5,000	TARGET CORP	\$437,500
4,800	MACY S INC	\$175,440
4,400	CIT GROUP INC	\$238,656
10,200	SEAGATE TECHNOLOGY	\$546,108
5,100	UNITED CONTINENTAL HOLDINGS	\$445,842
1,600	MALLINCKRODT PLC	\$55,136
4,750	GANNETT CO INC	\$48,830
9,500	TEGNA INC	\$110,580
575	PERSPECTA INC	\$13,375
801,098	STATE STREET INSTITUTIONAL US	\$801,098
800	K S HOLDINGS CORP	\$9,704
97	FONCIERE EURIS	\$3,386
1,403	ERSTE GROUP BANK AG	\$55,942
1,761	TARO PHARMACEUTICAL INDUS	\$186,032
2,437	FOMENTO ECONOMICO MEX SP ADR	\$233,660
21,900	PARIS MIKI HOLDINGS INC	\$93,418
2,876	CARLSBERG AS B	\$351,892
33,500	CLP HOLDINGS LTD	\$393,734
28,060	HONG KONG + CHINA GAS	\$57,772
1,900	SHIONOGI + CO LTD	\$110,623
6,200	TAKEDA PHARMACEUTICAL CO LTD	\$260,167
14,976	WOOLWORTHS GROUP LTD	\$306,507

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
664	AUST AND NZ BANKING GROUP	\$14,166
4,800	NESTLE (MALAYSIA) BERHAD	\$171,700
107	SIPEF NV	\$6,760
49	COCHLEAR LTD	\$7,648
19,000	HOKKAIDO GAS CO LTD	\$51,405
2,527	SALZGITTER AG	\$114,755
555	TEVA PHARMACEUTICAL SP ADR	\$12,715
41,746	ENEL AMERICAS SA ADR	\$309,755
28,200	BANGKOK BANK PUBLIC CO NVDR	\$176,627
104	CREDIT AGRICOLE TOULOUSE 31	\$13,574
11,925	BRISCOE GROUP LTD	\$28,326
3,700	CAE INC	\$73,918
6,126	HALFORDS GROUP PLC	\$26,212
33,500	OLAM INTERNATIONAL LTD	\$49,881
78,011	BORYSZEW SA	\$143,709
485	HIGHLIGHT COMMUNICATIONS BR	\$2,979
13,500	ADIRA DINAMIKA MULTI FINANCE	\$7,584
2,400	MAXVALU TOHOKU CO LTD	\$32,747
100	AEON KYUSHU CO LTD	\$1,804
16,702	SEVERSTAL GDR REG S	\$268,902
83,058	MEGACABLE HOLDINGS CPO	\$390,388
10,418	WH SMITH PLC	\$279,482
700	MELCOR DEVELOPMENTS LTD	\$7,972
8,300	VICOM LTD	\$37,015
929	TATA STEEL LTD GDR REG S	\$7,804
273	BFW LIEGENSCHAFTEN AG	\$12,110
2,590	SUMMERSET GROUP HOLDINGS LTD	\$13,198
3,100	CENTRAIS ELETRICAS SANTA CAT	\$22,798
20,800	CPN COMMERCIAL GROWTH LEASEH	\$10,104
7,346	DP AIRCRAFT LTD	\$7,934
6,111	BONMARCHE HOLDINGS PLC	\$9,214
1,614	TAPTICA INTERNATIONAL LTD	\$6,923
2,935	SHEPHERD NEAME LTD	\$40,818
18,200	JAPAN POST HOLDINGS CO LTD	\$216,657
6,617	ENEL CHILE SA ADR	\$32,225
134,789	TICON FREEHOLD + LEASEHOLD R	\$48,183
7,391	PERFICIENT INC	\$212,343
5,676	WINTRUST FINANCIAL CORP	\$502,610
12,601	OWENS ILLINOIS INC	\$222,660
5,891	TENNECO INC CLASS A	\$252,076
13,041	COMTECH TELECOMMUNICATIONS	\$467,520
11,508	BLACK HILLS CORP	\$677,246
10,239	COHU INC	\$270,105
11,120	FIRST INDUSTRIAL REALTY TR	\$360,955
32,058	STEELCASE INC CL A	\$468,047
17,403	PNM RESOURCES INC	\$677,847
19,577	CHESAPEAKE LODGING TRUST	\$644,279
4,738	COOPER STANDARD HOLDING	\$655,881
10,017	INDEPENDENT BANK CORP MICH	\$249,924

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
10,997	MERITOR INC	\$238,195
15,006	US SILICA HOLDINGS INC	\$317,977
187	STATE STREET INSTITUTIONAL US	\$187
115	HERMES INTERNATIONAL	\$74,956
2,400	SSE PLC	\$39,086
781	KERING	\$425,268
2,200	HOYA CORP	\$128,903
1,200	SHIONOGI + CO LTD	\$69,867
500	RINNAI CORP	\$37,291
4,128	SOCIETE GENERALE SA	\$169,255
3,040	WEIR GROUP PLC/THE	\$74,066
1,565	L OREAL	\$376,375
3,011	JCDECAUX SA	\$99,424
10,500	BOC HONG KONG HOLDINGS LTD	\$51,236
2,300	GOLAR LNG LTD	\$58,788
2,565	REA GROUP LTD	\$169,047
5,100	INPEX CORP	\$55,882
59,567	AA PLC	\$86,326
954	SPIRAX SARCO ENGINEERING PLC	\$88,409
1,200	RYANAIR HOLDINGS PLC SP ADR	\$122,244
7,000	CK ASSET HOLDINGS LTD	\$49,899
3,490	SIEMENS AG REG	\$454,708
46,400	DBS GROUP HOLDINGS LTD	\$844,991
297,000	KIMBERLY CLARK DE MEXICO A	\$521,290
3,896	GENMAB A/S	\$675,519
8,478	HDFC BANK LTD ADR	\$858,567
24,903	ROYAL DUTCH SHELL PLC B SHS	\$822,300
2,558	AMOREPACIFIC CORP	\$604,370
95,215	AIA GROUP LTD	\$821,269
5,600	FANUC CORP	\$1,099,698
26,892	SCHLUMBERGER LTD	\$1,698,499
42,074	VIVENDI	\$1,094,101
2,001	JCDECAUX SA	\$66,073
6,123	ESSILORLUXOTTICA	\$885,527
10,100	NABTESCO CORP	\$263,874
10,321	INVESTOR AB B SHS	\$466,207
0	STATE STREET INSTITUTIONAL US	\$0
30,000	ISHARES RUSSELL MID CAP VALUE	\$2,745,900
471,769	PIMCO GLOBAL ADVANTAGE STRATEG	\$4,996,035
477,096	STATE STREET INSTITUTIONAL US	\$477,096
3,000	RENAISSANCERE HOLDINGS LTD	\$398,880
8,700	HOSPITALITY PROPERTIES TRUST	\$252,213
8,500	CMS ENERGY CORP	\$418,540
1,600	ANSYS INC	\$297,568
5,500	COGNIZANT TECH SOLUTIONS A	\$431,365
7,000	ARTHUR J GALLAGHER + CO	\$504,980
3,000	LANDSTAR SYSTEM INC	\$347,400
1,000	ESSEX PROPERTY TRUST INC	\$246,280
1,707	BECTON DICKINSON AND CO	\$447,012

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
2,000	GENERAL DYNAMICS CORP	\$386,800
6,400	JOHNSON + JOHNSON	\$862,016
6,900	PEPSICO INC	\$772,869
4,400	GENERAL MILLS INC	\$202,444
1,400	SUNTRUST BANKS INC	\$102,984
2,200	CONSTELLATION BRANDS INC A	\$458,040
900	NASDAQ INC	\$85,896
1,900	DUN + BRADSTREET CORP	\$271,548
2,400	RAYTHEON COMPANY	\$478,656
1,000	CARTER S INC	\$105,930
4,100	BROADRIDGE FINANCIAL SOLUTIO	\$554,074
4,300	HILL ROM HOLDINGS INC	\$418,261
4,000	BERKSHIRE HATHAWAY INC CL B	\$834,880
1,200	CORELOGIC INC	\$61,008
300	NEXTERA ENERGY INC	\$51,030
2,700	FACEBOOK INC A	\$474,471
3,500	INGREDION INC	\$353,745
3,500	PINNACLE FOODS INC	\$232,470
10,100	CHIMERA INVESTMENT CORP	\$188,163
620	ALPHABET INC CL A	\$763,716
700	S+P GLOBAL INC	\$144,935
7,000	YUM CHINA HOLDINGS INC	\$270,760
585,708	STATE STREET INSTITUTIONAL US	\$585,708
13,700	AGNC INVESTMENT CORP	\$260,574
100	BOOKING HOLDINGS INC	\$195,155
4,200	MCDONALD S CORP	\$681,366
6,741	CINTAS CORP	\$1,438,327
6,232	ROPER TECHNOLOGIES INC	\$1,859,442
18,150	AMPHENOL CORP CL A	\$1,716,627
11,359	FACEBOOK INC A	\$1,996,117
21,189	FORTIVE CORP W/D	\$1,779,452
9,430	ADIDAS AG	\$2,357,840
22,290	SAFRAN SA	\$2,912,434
285,700	AIA GROUP LTD	\$2,464,280
6,100	ARCHER DANIELS MIDLAND CO	\$307,440
4,900	EASTMAN CHEMICAL CO	\$475,447
15,200	FIRSTENERGY CORP	\$568,176
6,400	INTERNATIONAL PAPER CO	\$327,296
17,100	VISHAY INTERTECHNOLOGY INC	\$406,980
2,500	BEST BUY CO INC	\$198,900
23,800	INTEL CORP	\$1,152,634
5,300	HARLEY DAVIDSON INC	\$225,886
8,200	KROGER CO	\$258,300
3,200	BRINKER INTERNATIONAL INC	\$141,696
5,400	OWENS CORNING	\$305,748
7,800	DISCOVER FINANCIAL SERVICES	\$609,336
3,180	LYONDELLBASELL INDU CL A	\$358,640
3,900	HCA HEALTHCARE INC	\$523,029
1,025	DONNELLEY FINANCIAL SOLUTION	\$21,412

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
9,074	HOLLIS EDEN PHARMACEUTICALS	\$0
5,300	AEON HOKKAIDO CORP	\$37,999
187	DASSAULT AVIATION SA	\$348,772
512,000	PETROCHINA CO LTD H	\$380,955
4,221	INFOSYS LTD SP ADR	\$87,670
691	MEDION AG	\$12,783
2,502	OMV AG	\$132,832
224	ALLIANZ SE REG	\$47,861
1,157	UCB SA	\$106,024
2,292	DEUTSCHE TELEKOM AG REG	\$37,094
6,337	RIO TINTO LTD	\$333,362
23,700	HAW PAR CORP LTD 1	\$234,397
9,758	WESFARMERS LTD	\$363,082
127,292	MAGYAR TELEKOM TELECOMMUNICA	\$187,359
43	BASELLANDS KANTONALBANK CERT	\$40,639
14,700	MEDIPAL HOLDINGS CORP	\$297,089
145	SMITH + NEPHEW PLC	\$2,558
471	SAVENCIA SA	\$40,114
6,100	SHIDAX CORP	\$21,125
89	NESTLE SA REG	\$7,489
2,010	KYUNG DONG PHARM CO LTD	\$23,384
650	CARNIVAL PLC	\$39,124
15,000	CNOOC LTD	\$26,526
756	CTS EVENTIM AG + CO KGAA	\$33,601
112,060	EREGLI DEMIR VE CELIK FABRIK	\$200,353
990	TUPRAS TURKIYE PETROL RAFINE	\$17,641
500	OUG HOLDINGS INC	\$12,513
6,600	YAMAZAWA CO LTD	\$103,388
1,368	ECKERT + ZIEGLER STRAHLEN UN	\$75,047
1,225	ICA GRUPPEN AB	\$37,341
7,454	BIOQUELL PLC	\$55,708
309,000	BANK OF CHINA LTD H	\$138,971
3,130	ORION OYJ CLASS B	\$115,334
5,332	ABANO HEALTHCARE GROUP LTD	\$30,496
2,517	INDUSTRIAS BACHOCO SER B	\$12,165
821	OSLO BORS VPS HOLDING ASA	\$11,472
463	CRCAM DU LANGUEDOC	\$39,702
14,799	CELLO HEALTH PLC	\$25,583
1,900	WESTON (GEORGE) LTD	\$148,101
4,043	MILLENNIUM + COPTHORNE HOTEL	\$8,584
5,334	WALMART DE MEXICO SAB DE CV	\$14,755
6,573	PANDOX AB	\$116,835
1,100	MURAMOTO ELECTRON THAI NVDR	\$6,570
182,900	THAI METAL TRADE PCL NVDR	\$81,587
99,800	MITRABARA ADIPERDANA TBK PT	\$21,410
1,300	DAIREI CO LTD	\$23,413
1,876	DOR ALON ENERGY IN ISRAEL	\$28,186
5,300	ATACADAO DISTRIBUICAO COMERC	\$18,704
30,700	CAMIL ALIMENTOS SA	\$51,265

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
11,700	SAN MIGUEL FOOD AND BEVERAGE	\$21,663
11,342	ENTEGRIIS INC	\$384,494
14,488	RUDOLPH TECHNOLOGIES INC	\$402,766
11,620	SYKES ENTERPRISES INC	\$351,389
9,734	MERIDIAN BIOSCIENCE INC	\$152,824
25,081	LOUISIANA PACIFIC CORP	\$731,362
11,916	BENCHMARK ELECTRONICS INC	\$308,029
4,199	COMMUNITY TRUST BANCORP INC	\$207,431
4,084	CONMED CORP	\$328,476
9,921	COVENANT TRANSPORT GRP CL A	\$296,340
6,243	EMCOR GROUP INC	\$500,064
3,498	ESTERLINE TECHNOLOGIES CORP	\$300,653
3,297	JOHNSON OUTDOORS INC A	\$333,920
5,302	1ST SOURCE CORP	\$296,859
49,354	AMKOR TECHNOLOGY INC	\$430,860
5,352	TECH DATA CORP	\$389,358
20,950	KB HOME	\$520,608
7,367	NATUS MEDICAL INC	\$274,789
5,651	PEAPACK GLADSTONE FINL CORP	\$188,800
19,982	AMERICAN EQUITY INVT LIFE HL	\$741,132
5,073	DOMTAR CORP	\$258,216
11,088	STAG INDUSTRIAL INC	\$320,111
9,233	ARCBEST CORP	\$444,107
15,912	GREAT WESTERN BANCORP INC	\$692,808
16,310	LANTHEUS HOLDINGS INC	\$262,591
8,264	INTEGER HOLDINGS CORP	\$660,294
6,137	ORTHOFIX MEDICAL INC	\$328,698
1,000	TREND MICRO INC	\$63,128
13,628	INTESA SANPAOLO	\$33,734
3,649	CARLSBERG A'S B	\$446,472
3,076	DAIMLER AG REGISTERED SHARES	\$199,346
3,886	AMCOR LIMITED	\$40,188
1,900	DAIWA HOUSE INDUSTRY CO LTD	\$58,070
2,700	IHI CORP	\$94,476
2,054	LVMH MOET HENNESSY LOUIS VUI	\$721,370
795	BAYERISCHE MOTOREN WERKE AG	\$77,153
2,436	DEUTSCHE BOERSE AG	\$337,280
14,725	PAGEGROUP PLC	\$116,651
6,421	SES	\$129,096
1,986	BRENNTAG AG	\$120,018
15,700	PRADA S P.A	\$70,810
21,800	ENSCO PLC CL A	\$149,112
5,924	BANK OF IRELAND GROUP PLC	\$48,524
643	HERMES INTERNATIONAL	\$419,103
3,700	DISCO CORP	\$663,354
2,507	CONTINENTAL AG	\$461,015
7,289	NESTLE SA REG	\$613,358
19,107	CARNIVAL PLC	\$1,150,077
93,000	PING AN INSURANCE GROUP CO H	\$895,769

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
4,278	CHR HANSEN HOLDING A/S	\$435,304
3,481	STATE STREET INSTITUTIONAL US	\$3,481
1,100	HARMONIC DRIVE SYSTEMS INC	\$44,690
8,409	BAYER AG REG	\$786,427
27,000	OLYMPUS CORP	\$1,101,817
1,200	SMC CORP	\$400,090
10,766	GRUPO TELEVISA SA SPON ADR	\$193,896
4,395	ASML HOLDING NV	\$898,149
5,821	LIBERTY GLOBAL PLC A	\$156,061
8,686	AMBEV SA ADR	\$40,390
8,565	ANHEUSER BUSCH INBEV SA/NV	\$803,707
5,476	MICHELIN (CGDE)	\$649,556
392	STATE STREET INSTITUTIONAL US	\$392
53,052	FINANCIAL SELECT SECTOR SPDR F	\$1,502,963
20,000	SPDR BLOOMBERG BARCLAYS TIPS E	\$1,102,800
1,900	VENTAS INC	\$113,753
400	F5 NETWORKS INC	\$75,648
5,000	KELLOGG CO	\$358,950
6,600	AMERICAN ELECTRIC POWER	\$473,418
3,400	ATMOS ENERGY CORP	\$313,582
8,900	MICROSOFT CORP	\$999,737
4,600	INTL BUSINESS MACHINES CORP	\$673,808
8,000	SYSCO CORP	\$598,560
6,100	WASTE MANAGEMENT INC	\$554,490
4,000	AMERICAN EXPRESS CO	\$423,920
3,900	AUTOMATIC DATA PROCESSING	\$572,325
2,600	CIGNA CORP	\$489,684
1,500	ELECTRONIC ARTS INC	\$170,115
2,700	UNITEDHEALTH GROUP INC	\$724,842
5,600	STARBUCKS CORP	\$299,320
11,400	EXELON CORP	\$498,294
3,300	CONOCOPHILLIPS	\$242,319
14,200	CENTERPOINT ENERGY INC	\$394,618
3,000	LYONDELLBASELL INDU CL A	\$338,340
1,000	ANTHEM INC	\$264,730
171	ALPHABET INC CL C	\$208,310
16,271	VISA INC CLASS A SHARES	\$2,390,047
26,271	ZOETIS INC	\$2,380,153
22,408	PAYPAL HOLDINGS INC	\$2,068,931
10,490	SBA COMMUNICATIONS CORP	\$1,628,363
4,080	KERING	\$2,221,633
9,700	FANUC CORP	\$1,904,834
16,100	NIDEC CORP	\$2,338,373
16,200	HDFC BANK LTD ADR	\$1,640,574
71,130	PRYSMIAN SPA	\$1,838,921
35,928	QIAGEN N V	\$1,400,114
27,300	EPIROC AB A	\$283,863
9,300	BB+T CORP	\$480,438
2,700	EVEREST RE GROUP LTD	\$602,154

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
5,000	AGCO CORP	\$298,300
2,250	CUMMINS INC	\$319,050
5,800	ENTERGY CORP	\$484,822
2,100	LAM RESEARCH CORP	\$363,489
3,600	WESTERN DIGITAL CORP	\$227,664
6,300	MORGAN STANLEY	\$307,629
2,400	INTL BUSINESS MACHINES CORP	\$351,552
5,800	TEXTRON INC	\$400,374
1,600	AETNA INC	\$320,432
7,100	ABBVIE INC	\$681,458
199,753	STATE STREET INSTITUTIONAL US	\$199,753
2,400	WYNDHAM HOTELS + RESORTS INC	\$136,200
36,659	KUHLMAN COMPANY INC	\$0
300	FUKUDA DENSHI CO LTD	\$20,535
300	CGI GROUP INC CLASS A	\$19,715
2,200	SIA ENGINEERING CO LTD	\$4,737
7,300	ROGERS COMMUNICATIONS INC B	\$378,562
744	CSL LTD	\$122,307
1,000	SINGAPORE AIRLINES LTD	\$7,153
13,550	PHILIPPINE NATIONAL BANK	\$12,164
2,700	BATU KAWAN BHD	\$11,209
5,600	KECK SENG (MALAYSIA) BHD	\$5,492
1,115	OBERBANK AG	\$115,200
8,200	KEIYO CO LTD	\$39,120
13,469	SANFORD LIMITED	\$68,634
1,085	SK TELECOM	\$255,862
271	FONCIERE LYONNAISE	\$18,982
28	SWATCH GROUP AG/THE BR	\$11,975
1,000	INDIGO BOOKS + MUSIC INC	\$11,411
900	KAKIYASU HONTEN CO LTD	\$20,600
44,122	KINGFISHER PLC	\$156,846
1,900	BANCO BRADESCO SA PREF	\$13,088
5,631	MILLICOM INTL CELLULAR SDR	\$324,494
53,900	PUBLIC BANK BERHAD	\$329,473
4,929	NEW WAVE GROUP AB B SHS	\$37,279
1,213	SOUTHERN COPPER CORP	\$52,935
7,390	ECO ANIMAL HEALTH GROUP PLC	\$49,947
11,668	NORSK HYDRO ASA	\$64,614
1,900	FRASERS COMMERCIAL TRUST	\$1,969
101	CA NORMANDIE SEINE CCI	\$15,263
21,432	FINSBURY FOOD GROUP PLC	\$34,681
3,427	TUI AG DI	\$63,339
790	RECKITT BENCKISER GROUP PLC	\$67,348
113	KOGENERACJA	\$1,811
9,800	GREAT WEST LIFECO INC	\$239,298
1,867	FLY LEASING LTD ADR	\$27,632
1,377	AF GRUPPEN ASA	\$21,076
21,414	DORIC NIMROD AIR TWO LTD	\$60,676
16,000	CHANGSHOUHUA FOOD CO LTD	\$7,176

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
9,000	SAHA UNION CORP PCL NVDR	\$12,443
16,100	ALUPAR INVESTIMENTO SA UNIT	\$59,397
11,744	CONCENTRADORA FIBRA DANHOS S	\$19,409
1,316	NOVO NORDISK A/S B	\$64,644
1,800	DREAM GLOBAL REAL ESTATE INV	\$20,209
12,506	SHOE ZONE PLC	\$27,227
16,370	GRUPO AVAL ACCIONES Y VALORE	\$129,487
4,058	MARSHALL MOTOR HOLDINGS PLC	\$8,492
10,929	AXFOOD AB	\$208,976
2,375	VOSTOK NEW VENTURES LTD SDR	\$18,352
44,000	PRIME OFFICE LEASEHOLD PROP	\$18,283
12,201	PENA VERDE SA DE CV	\$6,496
5,941	QIAGEN N V	\$231,521
17,529	WADDELL + REED FINANCIAL A	\$350,931
85,553	SOUTHWESTERN ENERGY CO	\$480,808
2,823	SAUL CENTERS INC	\$169,380
6,247	COLUMBUS MCKINNON CORP/NY	\$265,685
1,115	CACI INTERNATIONAL INC CL A	\$217,425
17,370	STONERIDGE INC	\$519,884
16,638	QUANEX BUILDING PRODUCTS	\$272,863
15,792	CNO FINANCIAL GROUP INC	\$341,265
10,903	WALKER + DUNLOP INC	\$594,214
17,224	HANMI FINANCIAL CORPORATION	\$449,546
22,348	REALOGY HOLDINGS CORP	\$478,024
28,061	XENIA HOTELS + RESORTS INC	\$680,760
14,084	TAILORED BRANDS INC	\$331,537
36,257	SRC ENERGY INC	\$337,553
300	NITORI HOLDINGS CO LTD	\$45,642
1,085	KBC GROUP NV	\$77,259
250	FANUC CORP	\$49,094
5,737	NEWCREST MINING LTD	\$80,449
93,115	ENEL SPA	\$461,525
1,935	MODERN TIMES GROUP B SHS	\$69,382
3,851	DANONE	\$303,877
5,797	UBS GROUP AG REG	\$90,722
700	INTERCONTINENTAL HOTELS GROU	\$43,262
34,296	BANKIA SA	\$129,167
42,813	PRUDENTIAL PLC	\$965,461
2,300	NINTENDO CO LTD	\$833,007
11,542	TAIWAN SEMICONDUCTOR SP ADR	\$503,231
1,221	LVMH MOET HENNESSY LOUIS VUI	\$428,818
47,485	SIEMENS GAMESA RENEWABLE ENE	\$710,223
4,834	SYMRISE AG	\$452,536
275,852	CITIC SECURITIES CO LTD H	\$494,143
5,194	ASML HOLDING NV NY REG SHS	\$1,065,030
4,349	PERNOD RICARD SA	\$688,168
2,026	SCHNEIDER ELECTRIC SE	\$165,573
2,900	SAPPORO HOLDINGS LTD	\$60,806
11,500	SONY CORP	\$658,358

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

Shares/Par Value	Security Name	Base Market Value
28,941	TEVA PHARMACEUTICAL SP ADR	\$663,038
9,210	WEIR GROUP PLC/THE	\$224,391
10,371	NOVARTIS AG REG	\$861,980
5,618	LAFARGEHOLCIM LTD REG	\$274,190
7,636	WYNN RESORTS LTD	\$1,132,724
165,422	TELECOM ITALIA RSP	\$92,173
11,719	SHIRE PLC	\$685,201
7,694	TRANSOCEAN LTD	\$93,174
72,104	ROLLS ROYCE HOLDINGS PLC	\$941,857
8,600	AMBEV SA	\$39,346
48,683	GENTING BHD	\$7,108
10,983	UBS GROUP AG REG	\$171,883
75,281	CONVATEC GROUP PLC	\$208,706
3,900	FERROGLOBE REP + WRNTY INS TRU	\$0
10,079	CONSUMER DISCRETIONARY SELECT.	\$1,178,739
54,123	RUSSELL 2000 GROWTH SL CTF	\$2,775,673
16,040	TECHNOLOGY SELECT SECTOR SPDR	\$1,212,624
18,253	MSCI CAD INDEX NL CTF CADCTF	\$1,117,704
1,000	TOTAL SYSTEM SERVICES INC	\$97,140
3,000	INTUIT INC	\$658,410
36,100	ANNALY CAPITAL MANAGEMENT IN	\$383,382
200	EXPEDITORS INTL WASH INC	\$14,656
1,800	ROYAL CARIBBEAN CRUISES LTD	\$220,644
7,600	PROGRESSIVE CORP	\$513,228
7,400	AMEREN CORPORATION	\$467,902
600	ICU MEDICAL INC	\$183,600
7,250	UGI CORP	\$391,863
2,500	VARIAN MEDICAL SYSTEMS INC	\$280,050
8,700	PROCTER + GAMBLE CO/THE	\$721,665
6,100	EXXON MOBIL CORP	\$489,037
4,300	OMNICOM GROUP	\$298,076
900	EDWARDS LIFESCIENCES CORP	\$129,816
4,500	BRISTOL MYERS SQUIBB CO	\$272,475
1,500	FEDEX CORP	\$365,925
3,900	HERSHEY CO/THE	\$392,028
5,900	DANAHER CORP	\$610,886
100	XCEL ENERGY INC	\$4,805
7,200	FLOWERS FOODS INC	\$145,080
3,200	HANOVER INSURANCE GROUP INC/	\$391,968
3,400	MASTERCARD INC A	\$732,904
3,400	TRAVELERS COS INC/THE	\$447,440
8,100	UDR INC	\$323,757
2,500	REINSURANCE GROUP OF AMERICA	\$357,125
4,900	WP CAREY INC	\$326,242
5,000	CDK GLOBAL INC	\$311,600
3,400	US FOODS HOLDING CORP	\$110,806
700	KEURIG DR PEPPER INC	\$15,960
14,566	ELECTRONIC ARTS INC	\$1,651,930
6,725	ADOBE INC	\$1,772,105

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10B COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
9,443	AUTODESK INC	\$1,457,527
4,003,810	STATE STREET INSTITUTIONAL US	\$4,003,810
TOTAL PART II LINE 10B COLUMN (B) and (C)		\$ 572,644,912

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
15,109	FANNIEMAE WHOLE LOAN	\$16,412
46,228	FANNIEMAE WHOLE LOAN	\$50,603
7,033	FANNIEMAE STRIP	\$1,474
8,532	BANC OF AMERICA FUNDING CORPOR	\$6,879
34,536	FANNIE MAE	\$4,522
108,828	FANNIE MAE	\$14,948
32,885	US AIRWAYS 2010 1A PTT	\$35,171
25,000	BALTIMORE GAS + ELECTRIC	\$24,448
30,000	APPLE INC	\$27,159
150,000	AMERICREDIT AUTOMOBILE RECEIVA	\$150,019
75,000	WELLS FARGO + COMPANY	\$69,971
80,000	RELIANCE STAND LIFE II	\$78,618
30,000	APPLE INC	\$31,392
165,000	CAPITAL AUTO RECEIVABLES ASSET	\$165,358
60,000	DRIVE AUTO RECEIVABLES TRUST	\$60,899
35,000	GOLDMAN SACHS GROUP INC	\$35,605
40,000	HYATT HOTELS CORP	\$41,815
185,000	PRESTIGE AUTO RECEIVABLES TRUS	\$185,135
35,000	TORONTO DOMINION BANK	\$33,214
25,000	KEYSIGHT TECHNOLOGIES	\$25,516
15,000	ENLINK MIDSTREAM PARTNER	\$13,342
58,271	DEEPHAVEN RESIDENTIAL MORTGAGE	\$57,588
35,000	VOYA FINANCIAL INC	\$33,312
20,000	GENERAL MOTORS CO	\$18,912
5,000	NEXTERA ENERGY OPERATING	\$4,750
15,000	SUNOCO LOGISTICS PARTNER	\$14,700
55,000	AMERICAN EXPRESS CO	\$52,898
30,000	BAKER HUGHES LLC/CO OBL	\$27,326
215,000	FORD CREDIT AUTO OWNER TRUST/F	\$211,395
35,000	CVS HEALTH CORP	\$34,980
25,000	TRANSCONT GAS PIPE LINE	\$24,625
45,000	PRUDENTIAL FINANCIAL INC	\$45,605
40,000	KEYCORP	\$40,104
100,000	BACARDI LTD	\$97,302
20,000	BERKSHIRE HATHAWAY ENERG	\$18,300
19,255	BURLINGTN NO SF 06 1 TR	\$20,434
188,744	CSX TRANSPORTATION INC	\$204,409
58,000	US BANCORP	\$57,595
160,000	COMCAST CORP	\$160,590
330,000	JPMORGAN CHASE + CO	\$328,495
127,000	21ST CENTURY FOX AMERICA	\$130,730
224,000	JPMORGAN CHASE + CO	\$225,425
190,000	MORGAN STANLEY	\$186,149
26,963	GM FINANCIAL AUTOMOBILE LEASIN	\$26,919
250,000	CAPITAL ONE NA	\$240,965
73,000	CAPITAL ONE BANK USA NA	\$69,681
140,000	SUNTRUST BANK	\$138,573

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
39,000	MID AMERICA APARTMENTS	\$37,733
64,000	AMGEN INC	\$62,435
213,000	UBS COMMERCIAL MORTGAGE TRUST	\$217,039
188,000	NISSAN MASTER OWNER TRUST RECE	\$188,263
5,226	FANNIEMAE STRIP	\$1,056
10,236	COUNTRYWIDE HOME LOANS	\$9,206
98,255	FANNIE MAE	\$12,796
17,073	HARBORVIEW MORTGAGE LOAN TRUST	\$16,736
59,362	STRUCTURED ADJUSTABLE RATE MOR	\$57,879
12,976	AMER AIRLN PT TRS 11 1	\$13,428
40,000	PETROLEOS MEXICANOS	\$36,626
30,000	PNC FINANCIAL SERVICES	\$29,312
38,000	UBS BARCLAYS COMMERCIAL MORTGA	\$37,328
60,000	CARLYLE HOLDINGS II FIN	\$62,111
200,000	NORDEA BANK ABP	\$199,778
60,000	FANNIE MAE CAS	\$63,874
40,000	GOLDMAN SACHS GROUP INC	\$41,151
33,526	FANNIE MAE CAS	\$35,769
100,000	AMERICAN HOMES 4 RENT	\$109,890
29,867	AMER AIRLN 15 1 A PTT	\$28,934
143,240	DRIVE AUTO RECEIVABLES TRUST	\$143,960
40,000	CARDINAL HEALTH INC	\$37,580
40,000	ALLY FINANCIAL INC	\$40,000
100,000	FORD CREDIT AUTO OWNER TRUST/F	\$98,020
240,000	DRIVE AUTO RECEIVABLES TRUST	\$243,699
25,000	JPMORGAN CHASE + CO	\$23,415
45,000	TEVA PHARMACEUTICALS NE	\$37,328
15,000	VALERO ENERGY PARTNERS	\$14,963
25,000	FORD MOTOR COMPANY	\$23,498
45,000	JEFFERIES GRP LLC / CAP	\$44,654
105,000	VERIZON COMMUNICATIONS	\$111,207
35,000	BECTON DICKINSON AND CO	\$33,544
25,000	CITIGROUP INC	\$24,248
15,000	CHURCH + DWIGHT CO INC	\$13,740
40,000	WABTEC	\$37,218
15,000	CNA FINANCIAL CORP	\$14,077
150,000	HYATT HOTEL PORTFOLIO TRUST	\$149,904
110,000	CAESARS PALACE LAS VEGAS TRUST	\$110,713
40,000	CITRIX SYSTEMS INC	\$38,914
30,000	ANHEUSER BUSCH INBEV WOR	\$29,542
25,000	VALERO ENERGY PARTNERS	\$25,049
39,000	WESTLAKE AUTOMOBILE RECEIVABLE	\$39,127
80,000	WESTLAKE AUTOMOBILE RECEIVABLE	\$79,990
25,000	AT+T INC	\$25,040
239,000	PACIFICORP	\$243,194
107,000	OCCIDENTAL PETROLEUM COR	\$106,976
200,000	WELLS FARGO + COMPANY	\$196,282

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
129,000	AMERICREDIT AUTOMOBILE RECEIVA	\$128,668
162,000	BANK OF NOVA SCOTIA	\$160,764
242,871	CARMAX AUTO OWNER TRUST	\$240,579
58,717	AMER AIRLINE 16 3 AA PTT	\$55,495
247,000	GOLDMAN SACHS GROUP INC	\$237,831
130,000	JOHNSON + JOHNSON	\$122,470
176,000	COMMONWEALTH EDISON CO	\$173,335
150,000	CVS HEALTH CORP	\$149,490
177,000	WALMART INC	\$178,480
69,063	FANNIE MAE	\$74,283
4,944	FREDDIE MAC	\$142
58,020	FANNIE MAE	\$7,659
29,922	FANNIE MAE	\$4,066
13,380	GOVERNMENT NATIONAL MORTGAGE A	\$507
3,099	GOVERNMENT NATIONAL MORTGAGE A	\$105
39,033	FANNIE MAE	\$938
99,090	GOVERNMENT NATIONAL MORTGAGE A	\$16,451
38,000	JP MORGAN CHASE COMMERCIAL MOR	\$37,774
45,722	HAWAIIAN AIRLINES 13 1B	\$45,950
112,000	GS MORTGAGE SECURITIES TRUST	\$111,128
118,000	COMM MORTGAGE TRUST	\$119,602
40,486	BRITISH AIR 13 1 A PTT	\$41,640
90,000	GENERAL ELECTRIC CO	\$87,304
190,000	AMERICREDIT AUTOMOBILE RECEIVA	\$189,974
110,000	JPMBB COMMERCIAL MORTGAGE SECU	\$113,209
50,000	AMERICREDIT AUTOMOBILE RECEIVA	\$49,997
51,711	CAPITAL AUTO RECEIVABLES ASSET	\$51,728
100,000	AMERICAN HOMES 4 RENT	\$105,213
35,000	AIRCASTLE LTD	\$36,580
25,000	AT+T INC	\$22,605
35,000	UNITED TECHNOLOGIES CORP	\$32,962
34,857	DRIVE AUTO RECEIVABLES TRUST	\$34,922
60,000	ANHEUSER BUSCH INBEV FIN	\$61,568
25,000	CHARTER COMM OPT LLC/CAP	\$25,531
70,000	PETROLEOS MEXICANOS	\$64,798
148,485	GOVERNMENT NATIONAL MORTGAGE A	\$23,739
20,000	BECTON DICKINSON AND CO	\$19,479
15,000	DUKE ENERGY CORP	\$14,078
162,358	GOVERNMENT NATIONAL MORTGAGE A	\$24,686
65,000	BOSTON SCIENTIFIC CORP	\$64,739
56,595	FANNIE MAE CAS	\$56,633
118,981	FOURSIGHT CAPITAL AUTOMOBILE R	\$118,834
65,000	AXA EQUITABLE HOLDINGS I	\$63,007
40,000	BANK OF AMERICA CORP	\$40,073
30,000	VODAFONE GROUP PLC	\$30,248
65,000	AMAZON COM INC	\$64,303
35,000	ENERGY TRANSFER PARTNERS	\$37,231

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
25,000	ALEXANDRIA REAL ESTATE E	\$25,262
28,932	FREDDIE MAC	\$28,954
82,000	BERKSHIRE HATHAWAY ENERG	\$99,597
237,000	DUKE ENERGY CAROLINAS	\$274,124
171,000	PNC FINANCIAL SERVICES	\$170,952
205,000	VIRGINIA ELEC + POWER CO	\$198,887
375,000	BANC OF AMERICA COMMERCIAL MOR	\$370,319
134,892	ENTERPRISE FLEET FINANCING LLC	\$134,188
40,364	GM FINANCIAL SECURITIZED TERM	\$40,298
125,000	GPMT LTD.	\$124,999
103,000	APACHE CORP	\$101,538
156,000	GOLDMAN SACHS BK USA NY	\$156,228
23,755	OPTION ONE MORTGAGE LOAN TRUST	\$23,773
94,308	STRUCTURED ASSET SECURITIES CO	\$84,924
64,676	GOVERNMENT NATIONAL MORTGAGE A	\$4,085
234,388	SLM STUDENT LOAN TRUST	\$238,713
30,000	TOLL BROS FINANCE CORP	\$31,126
102,871	FANNIE MAE	\$16,364
9,978	FANNIE MAE	\$234
11,808	US AIRWAYS 2011 1A PTT	\$13,083
15,000	DCP MIDSTREAM OPERATING	\$15,225
20,000	TIME WARNER CABLE LLC	\$16,890
35,986	AIR CANADA 2013 1B PTT	\$36,706
21,743	UNITED AIR 2014 1 B PTT	\$21,956
96,200	CAPITAL AUTO RECEIVABLES ASSET	\$96,143
60,000	SANTANDER DRIVE AUTO RECEIVABL	\$60,332
45,000	AIR LEASE CORP	\$45,000
30,000	INVESCO FINANCE PLC	\$30,045
200,000	SOCIETE GENERALE	\$199,712
45,000	SCHLUMBERGER HLDGS CORP	\$45,113
50,000	ANADARKO PETROLEUM CORP	\$53,768
40,000	DELL INT LLC / EMC CORP	\$42,405
100,000	TRICON AMERICAN HOMES	\$102,720
165,000	DRIVE AUTO RECEIVABLES TRUST	\$166,881
25,000	MICROSOFT CORP	\$26,068
25,000	JPMORGAN CHASE + CO	\$24,122
30,000	ACTIVISION BLIZZARD	\$29,064
40,000	CARDINAL HEALTH INC	\$36,870
35,000	CARDINAL HEALTH INC	\$34,784
15,000	TAPESTRY INC	\$14,376
30,000	AMERICAN EQUITY INVESTME	\$29,532
25,000	ALIMENTATION COUCHE TARD	\$23,721
143,980	GOVERNMENT NATIONAL MORTGAGE A	\$21,537
20,000	GENERAL MOTORS CO	\$18,977
40,000	BRIGHTHOUSE FINANCIAL IN	\$35,741
10,000	MPT OPER PARTNERSP/FINL	\$9,800
145,000	FORD CREDIT AUTO OWNER TRUST/F	\$139,657

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
40,000	FARMERS INS EXCH	\$36,378
110,000	SYNCHRONY CREDIT CARD MASTER N	\$107,174
25,000	MARKEL CORP	\$23,137
79,000	AT+T INC	\$75,758
10,000	L BRANDS INC	\$8,600
70,625	COLT FUNDING LLC	\$70,302
35,000	ANDEAVOR LLC	\$37,135
35,000	MORGAN STANLEY	\$34,413
40,000	GOLDMAN SACHS GROUP INC	\$38,266
72,184	AVID AUTOMOBILE RECEIVABLES TR	\$71,923
57,857	FREDDIE MAC STACR	\$57,942
96,613	VERUS SECURITIZATION TRUST	\$96,695
25,000	CENTENE CORP	\$25,808
20,000	AMAZON COM INC	\$19,412
30,000	FREDDIE MAC STACR	\$27,892
30,000	NORTHERN NATURAL GAS CO	\$29,902
97,931	VERUS SECURITIZATION TRUST	\$97,913
147,982	FREDDIE MAC	\$141,395
187,000	GENERAL ELECTRIC CO	\$182,366
34,000	EQUINOR ASA	\$33,105
280,000	COMM MORTGAGE TRUST	\$292,129
10,167	FREDDIE MAC	\$10,075
250,000	STATE STREET CORP	\$247,785
190,000	WARNER MEDIA LLC	\$182,535
250,000	ANHEUSER BUSCH INBEV FIN	\$253,905
138,000	ORACLE CORP	\$132,330
55,000	JP MORGAN CHASE COMMERCIAL MOR	\$52,121
265,000	FORD MOTOR COMPANY	\$249,081
4,457	AMERICREDIT AUTOMOBILE RECEIVA	\$4,453
178,000	AMEX CENTURION BK	\$173,973
46,000	APPLE INC	\$44,458
223,000	BANK OF NY MELLON CORP	\$219,191
70,000	COMERICA INC	\$70,221
1,279	FREDDIEMAC STRIP	\$283
838	FREDDIE MAC	\$19
12,160	WELLS FARGO MORTGAGE BACKED SE	\$12,318
55,028	SLM STUDENT LOAN TRUST	\$54,951
25,000	ENTERPRISE PRODUCTS OPER	\$30,542
58,130	GOVERNMENT NATIONAL MORTGAGE A	\$6,361
144,406	FANNIE MAE	\$15,512
50,000	GLENCORE FUNDING LLC	\$49,734
15,000	AFFILIATED MANAGERS GROU	\$15,278
20,000	ENLINK MIDSTREAM PARTNER	\$19,901
35,000	WELLS FARGO + COMPANY	\$34,776
75,000	GUARDIAN LIFE INSURANCE	\$76,930
60,000	NUVEEN FINANCE LLC	\$59,797
70,000	CAPITAL AUTO RECEIVABLES ASSET	\$70,106

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
50,000	HSBC USA INC	\$49,501
30,000	METLIFE INC	\$28,337
30,000	CNO FINANCIAL GROUP INC	\$30,450
80,000	JPMBB COMMERCIAL MORTGAGE SECU	\$65,862
60,000	COMM MORTGAGE TRUST	\$50,961
55,000	ELECTRICITE DE FRANCE SA	\$57,050
35,000	BANK OF NY MELLON CORP	\$34,064
30,000	CHEVRON CORP	\$28,856
25,000	REINSURANCE GRP OF AMER	\$24,578
20,703	COLT FUNDING LLC	\$20,629
35,000	CITIGROUP COMMERCIAL MORTGAGE	\$29,602
140,000	BANK OF AMERICA CORP	\$131,599
20,000	BLACKROCK INC	\$19,558
25,000	JPMORGAN CHASE + CO	\$24,001
20,000	AMGEN INC	\$19,511
10,000	CHURCH + DWIGHT CO INC	\$9,389
70,000	WESTLAKE AUTOMOBILE RECEIVABLE	\$69,639
15,000	E TRADE FINANCIAL CORP	\$14,431
15,000	VMWARE INC	\$14,211
35,000	PENSKE TRUCK LEASING/PTL	\$33,261
178,697	BELLEMEADE RE LT	\$179,880
25,000	ANTHEM INC	\$23,830
35,000	GENERAL MOTORS FINL CO	\$32,566
48,038	GLS AUTO RECEIVABLES TRUST	\$47,889
25,000	ENTERPRISE PRODUCTS OPER	\$23,573
60,000	CELGENE CORP	\$58,436
145,000	AXIS EQUIPMENT FINANCE RECEIVA	\$144,445
50,000	KINDER MORGAN INC	\$49,585
20,000	CHEVRON PHILLIPS CHEM CO	\$19,879
40,000	CVS HEALTH CORP	\$39,864
100,000	BELLEMEADE RE LT	\$100,516
20,000	DOMINION ENERGY INC	\$20,184
76,652	FREDDIE MAC STACR	\$76,687
115,000	FANNIE MAE CAS	\$117,374
75,000	MITSUBISHI UFJ FIN GRP	\$75,515
98,300	SEQUOIA MORTGAGE TRUST	\$100,107
30,000	COMMONWEALTH EDISON CO	\$30,193
25,000	UNITED TECHNOLOGIES CORP	\$25,129
25,000	VERIZON COMMUNICATIONS	\$26,825
175,000	BERKSHIRE HATHAWAY ENERG	\$193,195
66,000	AMERICAN EXPRESS CREDIT	\$65,477
89,000	GOLDMAN SACHS BANK USA	\$87,462
252,000	MICROSOFT CORP	\$273,627
200,000	TOYOTA MOTOR CREDIT CORP	\$194,384
68,000	GENERAL MOTORS FINL CO	\$67,104
136,000	HYUNDAI CAPITAL AMERICA	\$133,644
200,000	SWEDBANK AB	\$195,884

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
89,000	CAPITAL ONE MULTI ASSET EXECUT	\$86,301
200,000	LLOYDS BANKING GROUP PLC	\$191,188
75,000	WESTPAC BANKING CORP	\$72,889
245,000	DISCOVER BANK	\$245,261
4,027	FANNIEMAE STRIP	\$774
46,270	FREDDIE MAC	\$8,385
30,000	CIGNA CORP	\$30,632
109,095	GOVERNMENT NATIONAL MORTGAGE A	\$21,538
125,000	CITIGROUP COMMERCIAL MORTGAGE	\$123,894
15,000	WF RBS COMMERCIAL MORTGAGE TRU	\$13,775
25,000	TOLL BROS FINANCE CORP	\$25,000
9,709	FANNIE MAE CAS	\$9,730
60,000	AT+T INC	\$54,765
77,969	PMT LOAN TRUST	\$76,713
88,000	DRIVE AUTO RECEIVABLES TRUST	\$88,745
166,000	COMM MORTGAGE TRUST	\$169,144
36,212	AMER AIRLN 15 2 A PASS T	\$36,076
35,000	MARATHON PETROLEUM CORP	\$35,066
25,000	SCHLUMBERGER HLDGS CORP	\$25,152
40,000	APPLE INC	\$43,678
40,000	PERRIGO FINANCE UNLIMITE	\$39,201
80,000	JPMORGAN CHASE + CO	\$76,397
55,000	BROADRIDGE FINANCIAL SOL	\$52,682
25,000	DUKE ENERGY CORP	\$22,755
35,000	BP CAPITAL MARKETS PLC	\$34,632
25,000	BANK OF AMERICA CORP	\$25,024
65,000	MORGAN STANLEY	\$62,622
15,000	TYSON FOODS INC	\$14,131
25,000	NOVA CHEMICALS CORP	\$24,438
110,596	ANGEL OAK MORTGAGE TRUST	\$108,824
10,000	DUKE ENERGY CORP	\$9,337
35,755	CIG AUTO RECEIVABLES TRUST	\$35,531
35,000	SUMITOMO MITSUI FINL GRP	\$34,336
100,000	WESTLAKE AUTOMOBILE RECEIVABLE	\$99,953
30,000	MPLX LP	\$27,945
105,000	WORLD FINANCIAL NETWORK CREDIT	\$104,560
20,000	HIGHWOODS REALTY LP	\$19,775
55,000	BROOKLYN UNION GAS CO	\$55,338
70,000	BMW US CAPITAL LLC	\$69,684
25,000	ENABLE MIDSTREAM PARTNER	\$24,841
20,000	CME GROUP INC	\$20,301
40,000	CHENIERE ENERGY PARTNERS	\$40,000
50,000	CITIGROUP INC	\$51,090
100,000	OAKTOWN RE LTD	\$100,130
199,022	ONslow BAY FINANCIAL LLC	\$201,688
51,000	BANK OF NY MELLON CORP	\$50,340
155,000	APPLE INC	\$169,251

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
188,000	PACIFIC GAS + ELECTRIC	\$170,480
162,500	SPRINT SPECTRUM / SPEC I	\$161,616
105,000	CARMAX AUTO OWNER TRUST	\$104,167
68,000	BARCLAYS COMMERCIAL MORTGAGE S	\$67,968
21,142	WORLD OMNI AUTOMOBILE LEASE SE	\$21,084
39,048	CNH EQUIPMENT TRUST	\$38,969
310,000	FORD CREDIT AUTO OWNER TRUST	\$306,174
100,000	EXPRESS SCRIPTS HOLDING	\$98,338
67,000	GENERAL MOTORS FINL CO	\$64,926
44,000	AMERICAN EXPRESS CO	\$43,639
21,000	CVS HEALTH CORP	\$21,041
78,000	GLAXOSMITHKLINE CAP INC	\$78,470
138,000	UNITED TECHNOLOGIES CORP	\$138,061
831	IMPAC SECURED ASSETS CORP	\$830
1,106	FREDDIE MAC	\$28
20,000	JEFFERIES GROUP LLC	\$20,933
319,662	COMM MORTGAGE TRUST	\$320,373
15,451	CONTL AIRLINES 2012 2 A	\$15,537
161,224	FREDDIE MAC	\$13,700
13,713	US AIRWAYS 2012 2A PTT	\$14,111
19,634	AIR CANADA 2013 1A PTT	\$19,784
80,000	LIBERTY MUTUAL GROUP INC	\$81,393
8,761	BRITISH AIR 13 1 B PTT	\$8,892
175,000	FORD CREDIT AUTO OWNER TRUST/F	\$174,422
55,000	NASDAQ INC	\$56,033
75,000	PETROLEOS MEXICANOS	\$67,190
170,000	GEORGIA PACIFIC LLC	\$169,055
30,000	ALLERGAN FUNDING SCS	\$29,751
193,845	FANNIE MAE CAS	\$221,963
50,000	NEWFIELD EXPLORATION CO	\$52,125
23,510	L STREET SECURITIES	\$23,666
100,000	PROGRESS RESIDENTIAL TRUST	\$100,274
30,000	INTERNATIONAL PAPER CO	\$27,785
15,000	SMITHFIELD FOODS INC	\$14,508
100,000	ANGEL OAK MORTGAGE TRUST	\$99,900
90,000	DRIVE AUTO RECEIVABLES TRUST	\$90,542
144,176	GOVERNMENT NATIONAL MORTGAGE A	\$23,624
200,000	FORD MOTOR CREDIT CO LLC	\$190,210
147,070	GOVERNMENT NATIONAL MORTGAGE A	\$28,142
110,000	WORLD FINANCIAL NETWORK CREDIT	\$108,181
20,000	SEMPRA ENERGY	\$18,156
10,000	T MOBILE USA INC	\$9,418
50,000	AMERICAN HOMES 4 RENT	\$48,465
20,000	CENTERPOINT ENER HOUSTON	\$19,780
50,000	BURLINGTN NORTH SANTA FE	\$48,773
110,000	RADNOR RE LTD	\$110,183
30,000	CONNECTICUT LIGHT + PWR	\$30,020

BURROUGHS WELLCOME FUND**990-PF FOR 2017****FISCAL YEAR ENDED 8/31/2018****PART II LINE 10C COLUMN (B) and (C)**

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
45,000	GREAT WEST LIFECO FIN 18	\$46,661
25,000	VODAFONE GROUP PLC	\$24,830
35,000	L3 TECHNOLOGIES INC	\$35,222
3,569	FANNIE MAE CAS	\$3,579
314,976	DBUBS MORTGAGE TRUST	\$324,725
155,000	MERCK + CO INC	\$150,071
145,000	AT+T INC	\$137,860
118,880	BNSF RAILWAY CO 2015 1 P	\$115,640
110,000	LOCKHEED MARTIN CORP	\$109,351
42,506	AMER AIRLINE 16 1 AA PTT	\$41,732
163,000	SANTANDER DRIVE AUTO RECEIVABL	\$162,535
61,000	CFCRE COMMERCIAL MORTGAGE TRUS	\$61,591
200,000	ANZ NEW ZEALAND INTL/LDN	\$195,504
169,000	CAPITAL ONE FINANCIAL CO	\$161,338
80,000	NISSAN MOTOR ACCEPTANCE	\$78,274
71,333	NISSAN AUTO LEASE TRUST	\$71,345
68,651	DELL EQUIPMENT FINANCE TRUST	\$68,435
147,000	CITIGROUP INC	\$144,941
6,486	FREDDIE MAC	\$1,114
75,565	COUNTRYWIDE ASSET BACKED CERTI	\$75,642
45,000	LIBERTY MUTUAL GROUP INC	\$54,010
152,766	SLM STUDENT LOAN TRUST	\$156,935
15,670	DELTA AIR LINES 2010 2A	\$15,796
14,263	DELTA AIR LINES 2011 1	\$14,443
70,000	NBCUNIVERSAL MEDIA LLC	\$81,275
69,100	UBS COMMERCIAL MORTGAGE TRUST	\$68,127
40,000	MICROSOFT CORP	\$37,472
20,000	ANHEUSER BUSCH INBEV FIN	\$18,186
127,000	COMM MORTGAGE TRUST	\$126,143
30,000	AT+T INC	\$27,893
45,000	GOLDMAN SACHS GROUP INC	\$46,282
35,000	SOUTHERN CO	\$34,679
195,000	DRIVE AUTO RECEIVABLES TRUST	\$196,476
65,000	WELLS FARGO + COMPANY	\$61,003
30,000	DOMINION ENERGY INC	\$28,776
27,977	FANNIE MAE CAS	\$28,070
40,000	KEURIG DR PEPPER INC	\$38,456
25,000	SMITHFIELD FOODS INC	\$23,637
20,000	LYB INTERNATIONAL FINANC	\$19,023
20,000	WYNDHAM DESTINATIONS INC	\$19,106
25,000	EATON VANCE CORP	\$24,391
45,000	AMERICAN EXPRESS CREDIT	\$43,950
42,000	UNITED TECHNOLOGIES CORP	\$39,495
157,236	FANNIE MAE	\$13,310
100,000	PROGRESS RESIDENTIAL TRUST	\$99,449
20,000	CARLISLE COS INC	\$19,357
40,000	MIDAMERICAN ENERGY CO	\$37,284

BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 10C COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
50,000	FLORIDA POWER + LIGHT CO	\$50,052
20,000	PETROLEOS MEXICANOS	\$20,440
100,000	PROGRESS RESIDENTIAL TRUST	\$100,822
45,000	AEP TEXAS INC	\$45,346
92,329	COLT FUNDING LLC	\$92,319
45,000	UNION PACIFIC CORP	\$45,969
25,000	CONCHO RESOURCES INC	\$24,974
132,191	FANNIE MAE CAS	\$132,338
45,000	PROTECTIVE LIFE CORP	\$44,800
35,000	E I DU PONT DE NEMOURS	\$35,528
171,000	ORACLE CORP	\$166,438
132,000	WALT DISNEY COMPANY/THE	\$127,322
250,000	CHEVRON CORP	\$242,278
35,000	BP CAPITAL MARKETS PLC	\$34,034
197,000	BURLINGTN NORTH SANTA FE	\$206,750
200,000	DAIMLER FINANCE NA LLC	\$197,618
50,000	ANHEUSER BUSCH INBEV FIN	\$48,965
167,000	JOHN DEERE CAPITAL CORP	\$164,006
161,961	HONDA AUTO RECEIVABLES OWNER T	\$161,248
77,000	WALT DISNEY COMPANY/THE	\$68,178
42,870	CHRYSLER CAPITAL AUTO RECEIVAB	\$42,649
100,000	VERIZON OWNER TRUST	\$99,226
84,000	PETROLEOS MEXICANOS	\$86,940
100,000	ROYAL BANK OF CANADA	\$98,915
91,000	MCDONALD S CORP	\$88,935
195,000	VERIZON COMMUNICATIONS	\$206,526
11,750	ALLY AUTO RECEIVABLES TRUST	\$11,742
86,704	FANNIE MAE	\$85,868
380,000	BANK OF AMERICA CORP	\$370,109
226,000	AMAZON COM INC	\$219,353
245,000	MORGAN STANLEY BK	\$244,762
116,000	UNION PACIFIC CORP	\$116,951

PART II LINE 10C COLUMN (B) and (C)	\$	33,971,109
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BURROUGHS WELLCOME FUND
990-PF FOR 2017
FISCAL YEAR ENDED 8/31/2018
PART II LINE 13 COLUMN (B) and (C)

<u>Shares/Par Value</u>	<u>Security Name</u>	<u>Base Market Value</u>
3,134,416	INTERSOUTH PARTNERS V LP	\$37,406
2,225,897	SPRAY VENTURE FUND LP	\$163,875
3,474,495	MISSION VENTURES II LP	\$130,902
4,465	STATE STREET INSTITUTIONAL US	\$4,465
1,352,094	HAMILTON LANE STRATEGIC	\$1,352,164
9,097,629	HAMILTON LANE STRATEGIC OPP	\$9,254,045
4,378,737	SPRAY VENTURE PARTNERS II	\$1,222,675
2,998,613	INTERSOUTH PARTNERS VI	\$2,321,025
3,843,976	HAMILTON LANE PE OFF FUND VI	\$7,231,395
10,433,643	HAMILTON LANE PE OFF FUND VIII	\$14,146,434
4,917,588	HAMILTON LANE STRATEGIC	\$5,815,623
998,422	HAMILTON LANE ADVISORS X.	\$852,928
245,876	INTERSOUTH PARTNERS IV	\$34,143
	Dyal Capital	\$600,000
57,554	QUELLOS STRATEGIC PARTNER	\$59,217,841
55,074	RIMROCK HIGH IN PLUS CAYMAN FD	\$17,115,044
121,307	WINSTON PARTNERS	\$32,104,872
500,000	IP0918P0 CDS USD R V 00MEVENT	\$500,000
500,000	XPE1219P0 CDS USD R V 00MEVENT	\$500,000
500,000	XR1219P0 CDS USD R V 00MEVENT	\$500,000
(500,000)	DIS0918P0 CDS USD P F 1 00000	(\$501,272)
(500,000)	IP0918P0 CDS USD P F 1.00000	(\$501,267)
(500,000)	AA0319P0 CDS USD P F 1.00000	(\$502,728)
(500,000)	XR1219P0 CDS USD P F 1 00000	(\$504,779)
500,000	DIS0918P0 CDS USD R V 00MEVENT	\$500,000
500,000	AA0319P0 CDS USD R V 00MEVENT	\$500,000
(500,000)	XPE1219P0 CDS USD P F 1 00000	(\$506,374)
PART II LINE 10C COLUMN (B) and (C)		\$ 151,588,417