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

OMB No 1545-0052

2013

Department of the Treasury
Internal Revenue Service

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► Information about Form 990-PF and its separate instructions is at www.irs.gov/form990pf.

For calendar year 2013, or tax year beginning Sep 1, 2013, and ending Aug 31, 2014

Name of foundation The Robert A. Welch Foundation		A Employer identification number 76-0343128
Number and street (or P.O. box number if mail is not delivered to street address) 5555 San Felipe	Room/suite 1900	B Telephone number (see the instructions) (713) 961-9884
City or town, state or province, country, and ZIP or foreign postal code Houston TX 77056-2730		C If exemption application is pending, check here. ☐
G Check all that apply ☐ Initial return ☐ Final return ☐ Address change ☐ Initial Return of a former public charity ☐ Amended return ☐ Name change		D 1 Foreign organizations, check here. ☐ 2 Foreign organizations meeting the 85% test, check here and attach computation. ☐
H Check type of organization ☒ Section 501(c)(3) exempt private foundation ☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here. ☐
I Fair market value of all assets at end of year (from Part II, column (c), line 16) \$ 699,916,142.	J Accounting method ☐ Cash ☒ Accrual ☐ Other (specify) _____ (Part I, column (d) must be on cash basis)	F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here. ☐

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) (see instructions))		(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 (att sch)	0.				
	2 Ck ☒ If the foundn is not req to att Sch B					
	3 Interest on savings and temporary cash investments	1,004.	1,038.			
	4 Dividends and interest from securities	6,308,978.	10,758,016.			
	5a Gross rents					
	b Net rental income or (loss)					
	6a Net gain/(loss) from sale of assets not on line 10	28,219,873.				
	b Gross sales price for all assets on line 6a	132,592,981.				
	7 Capital gain net income (from Part IV, line 2)		32,156,298.			
	8 Net short-term capital gain					
	9 Income modifications					
	10a Gross sales less returns and allowances					
b Less Cost of goods sold						
c Gross profit/(loss) (att sch)						
11 Other income (attach schedule)						
	Schedule 8	3,308,840.	2,793,980.			
12 Total. Add lines 1 through 11.		37,838,695.	45,709,332.			
ADMINISTRATIVE EXPENSES	13 Compensation of officers, directors, trustees, etc.	645,022.	399,576.		252,932.	
	14 Other employee salaries and wages	578,676.	316,096.		262,488.	
	15 Pension plans, employee benefits	279,594.	158,914.		107,913.	
	16a Legal fees (attach schedule)	35,786.	25,437.		10,349.	
	b Accounting fees (attach sch)	77,704.	36,785.		38,852.	
	c Other prof fees (attach sch)	3,434,731.	5,470,080.		16,250.	
	17 Interest					
	18 Taxes (attach schedule) (see instrs)	Schedule 2	314,076.	708,629.		
	19 Depreciation (attach sch) and depletion	5,154.	8,724.			
	20 Occupancy	243,235.	123,396.		119,839.	
	21 Travel, conferences, and meetings	24,655.	19,290.		5,123.	
	22 Printing and publications	23,089.	2,309.		20,780.	
	23 Other expenses (attach schedule)	Schedule 3	642,174.	327,985.		501,428.
	24 Total operating and administrative expenses. Add lines 13 through 23.		6,303,896.	7,597,221.		1,335,954.
	25 Contributions, gifts, grants paid		34,702,774.			29,117,084.
26 Total expenses and disbursements. Add lines 24 and 25.		41,006,670.	7,597,221.		30,453,038.	
27 Subtract line 26 from line 12:						
a Excess of revenue over expenses and disbursements		-3,167,975.				
b Net investment income (if negative, enter -0-)			38,112,111.			
c Adjusted net income (if negative, enter -0-)						

614 19

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only (See instructions.)	Beginning of year	End of year	
			(a) Book Value	(b) Book Value	(c) Fair Market Value
ASSETS	1	Cash — non-interest-bearing	3,700.	3,700.	3,700.
	2	Savings and temporary cash investments	3,984,923.	5,235,960.	5,235,960.
	3	Accounts receivable 137,739.			
		Less: allowance for doubtful accounts	85,818.	137,739.	137,739.
	4	Pledges receivable			
		Less: allowance for doubtful accounts			
	5	Grants receivable			
	6	Receivables due from officers, directors, trustees, and other disqualified persons (attach schedule) (see instructions)			
	7	Other notes and loans receivable (attach sch)			
		Less: allowance for doubtful accounts			
	8	Inventories for sale or use			
	9	Prepaid expenses and deferred charges			
	10a	Investments — U.S. and state government obligations (attach schedule)	63,378,183.	58,162,897.	59,849,085.
	b	Investments — corporate stock (attach schedule)	293,590,628.	317,926,805.	429,241,049.
	c	Investments — corporate bonds (attach schedule)	20,702,615.	30,109,735.	42,172,566.
	LIABILITIES	11	Investments — land, buildings, and equipment basis		
		Less: accumulated depreciation (attach schedule)			
12		Investments — mortgage loans			
13		Investments — other (attach schedule)	152,330,835.	124,450,877.	159,145,318.
14		Land, buildings, and equipment basis 1,109,860.			
		Less: accumulated depreciation (attach schedule) 1,035,288.	74,141.	74,572.	74,572.
15		Other assets (describe)	2,817,772.	4,061,971.	4,056,153.
16		Total assets (to be completed by all filers — see the instructions. Also, see page 1, item I).	536,968,615.	540,164,256.	699,916,142.
17		Accounts payable and accrued expenses	307,292.	1,343,579.	
18		Grants payable	16,694,250.	22,562,250.	
FUNDED ASSETS	19	Deferred revenue			
	20	Loans from officers, directors, trustees, & other disqualified persons			
	21	Mortgages and other notes payable (attach schedule)			
	22	Other liabilities (describe)	1,411,661.	2,583,949.	
	23	Total liabilities (add lines 17 through 22)	18,413,203.	26,489,778.	
		Foundations that follow SFAS 117, check here and complete lines 24 through 26 and lines 30 and 31. ☒ X			
	24	Unrestricted	-16,445,844.	-22,434,699.	
	25	Temporarily restricted	484,060.	499,357.	
	26	Permanently restricted	534,517,196.	535,609,820.	
		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, building, and equipment fund				
29	Retained earnings, accumulated income, endowment, or other funds				
30	Total net assets or fund balances (see instructions)	518,555,412.	513,674,478.		
31	Total liabilities and net assets/fund balances (see instructions)	536,968,615.	540,164,256.		

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	518,555,412.
2	Enter amount from Part I, line 27a	2	-3,167,975.
3	Other increases not included in line 2 (itemize)	3	
4	Add lines 1, 2, and 3	4	515,387,437.
5	Decreases not included in line 2 (itemize) <u>Schedule 5</u>	5	1,712,959.
6	Total net assets or fund balances at end of year (line 4 minus line 5) — Part II, column (b), line 30	6	513,674,478.

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse, or common stock, 200 shares MLC Company)	(b) How acquired P — Purchase D — Donation	(c) Date acquired (month, day, year)	(d) Date sold (month, day, year)
1 a See Schedule 7			
b			
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			
b			
c			
d			
e			

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69			(i) Gains (Column (h) gain minus column (k), but not less than -0-) or Losses (from column (h))
(i) Fair Market Value as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of column (i) over column (j), if any	
a			
b			
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	32,156,298.
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) (see instructions) If (loss), enter -0- in Part I, line 8	3	2,712,312.

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 does not 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 (column (b) divided by column (c))
2012	29,193,444.	622,528,431.	0.046895
2011	24,738,043.	585,055,132.	0.042283
2010	30,657,384.	610,340,305.	0.050230
2009	27,715,253.	555,664,895.	0.049878
2008	24,539,316.	491,641,819.	0.049913
2 Total of line 1, column (d)		2	0.239199
3 Average distribution ratio for the 5-year base period — divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years		3	0.047840
4 Enter the net value of noncharitable-use assets for 2013 from Part X, line 5		4	671,739,597.
5 Multiply line 4 by line 3		5	32,136,022.
6 Enter 1% of net investment income (1% of Part I, line 27b)		6	381,121.
7 Add lines 5 and 6		7	32,517,143.
8 Enter qualifying distributions from Part XII, line 4		8	30,456,259.

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.

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

1 a 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 instrs)			
b Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☐ and enter 1% of Part I, line 27b		1	762,242.
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, column (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	762,242.
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	762,242.
6 Credits/Payments:			
a 2013 estimated tax pmts and 2012 overpayment credited to 2013	6 a	950,257.	
b Exempt foreign organizations – tax withheld at source	6 b		
c Tax paid with application for extension of time to file (Form 8868)	6 c		
d Backup withholding erroneously withheld	6 d		
7 Total credits and payments. Add lines 6a through 6d	7	950,257.	
8 Enter any penalty for underpayment of estimated tax. Check here ☒ if Form 2220 is attached	8		
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9		
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10	188,015.	
11 Enter the amount of line 10 to be credited to 2014 estimated tax	11	188,015.	Refunded

Part VII-A Statements Regarding Activities

	Yes	No
1 a 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 definition)?		X
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.		
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 ☐ \$ _____ (2) On foundation managers ☐ \$ _____		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers ☐ \$ _____		
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		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		X
4 a Did the foundation have unrelated business gross income of \$1,000 or more during the year?	X	
b If 'Yes,' has it filed a tax return on Form 990-T for this year?	X	
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If 'Yes,' attach the statement required by General Instruction T		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?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If 'Yes,' complete Part II, column (c), and Part XV	X	
8 a Enter the states to which the foundation reports or with which it is registered (see instructions) TX – Texas		
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	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 2013 or the taxable year beginning in 2013 (see instructions for Part XIV)? If 'Yes,' complete Part XIV		X
10 Did any persons become substantial contributors during the tax year? If 'Yes,' attach a schedule listing their names and addresses		X

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Form 990-PF (2013)

Part VII-A Statements Regarding Activities (continued)

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) Schedule 12	11	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)	12		X
13	Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address <u>welchl.org</u>	13	X	
14	The books are in care of <u>Norbert Dittrich</u> Telephone no <u>(713) 961-9884</u> Located at <u>5555 San Felipe, Suite 1900 Houston TX</u> ZIP + 4 <u>77056-2730</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 <u>15</u>			
16	At any time during calendar year 2013, 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?	16		X
See the instructions for exceptions and filing requirements for Form TD F 90-22.1 If 'Yes,' enter the name of the foreign country <u></u>				

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
1 a 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)?	1 b	X
Organizations relying on a current notice regarding disaster assistance check here ☐		
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 2013?	1 c	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 2013, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2013? ☐ Yes ☒ No If 'Yes,' list the years <u>20</u> , <u>20</u> , <u>20</u> , <u>20</u>		
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)	2 b	
c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here <u>20</u> , <u>20</u> , <u>20</u> , <u>20</u>		
3 a 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 2013 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 2013.)	3 b	X
4 a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4 a	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 2013?	4 b	X

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Form 990-PF (2013)

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)**5 a** 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 509(a)(1), (2), or (3), or section 4940(d)(2)? (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)

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

If 'Yes' to 6b, file Form 8870

7 a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?☐ Yes ☒ No**b** If 'Yes,' did the foundation receive any proceeds or have any net income attributable to the transaction?

5 b

6 b

7 b

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**1** List all officers, directors, trustees, foundation managers and their compensation (see instructions).

(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
See schedule 6				

2 Compensation of five highest-paid employees (other than those included on line 1 - see instructions). 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
Ronald G. Page 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Controller 40.00	183,377.	103,926.	1,558.
Carolyn Kahlich 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Senior Acct. 40.00	100,628.	63,583.	619.
Kathy Kirk 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Adm. Asst. 40.00	90,887.	47,049.	832.
Carla Atmar 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Grant Prog. Coordinator 40.00	95,040.	43,709.	270.
Reena Cegielski 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Staff Acct. 40.00	74,968.	23,303.	53.
Total number of other employees paid over \$50,000				1

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

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
Silchester International Investors 780 Third Avenue, 42nd Floor New York NY 10017	Investment Manager	650,559.
RWF Fund, LP 100 Summer Street Boston MA 02110	Investment Manager	574,111.
Wellington Trust Company, NA 75 State Street Boston MA 02109	Investment Manager	411,289.
Iridian Asset Management LLC 276 Post Road West Westport CT 06880	Investment Manager	315,200.
Eagle Capital Management LLC 499 Park Avenue New York NY 10022	Investment Manager	294,861.
Total number of others receiving over \$50,000 for professional services		7

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 The Robert A. Welch Foundation Award in Chemistry (Schedule 10)	749,864.
2 The 57th Annual Robert A. Welch Foundation Conference on Chemical Research (approximately 542 attendees)	352,150.
3 Norman Hackerman Award in Chemical Research (schedule 10)	243,257.
4	

Part IX-B Summary of Program-Related Investments (see instructions)

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2	Amount
1	
2	
All other program-related investments. See instructions	
3	
Total. Add lines 1 through 3	

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Form 990-PF (2013)

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	1 a	670,941,830.
b	Average of monthly cash balances	1 b	860,138.
c	Fair market value of all other assets (see instructions)	1 c	10,167,166.
d	Total (add lines 1a, b, and c)	1 d	681,969,134.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1 e	
2	Acquisition indebtedness applicable to line 1 assets	2	
3	Subtract line 2 from line 1d	3	681,969,134.
4	Cash deemed held for charitable activities. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	10,229,537.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	671,739,597.
6	Minimum investment return. Enter 5% of line 5	6	33,586,980.

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	33,586,980.
2 a	Tax on investment income for 2013 from Part VI, line 5	2 a	762,242.
b	Income tax for 2013 (This does not include the tax from Part VI.)	2 b	
c	Add lines 2a and 2b	2 c	762,242.
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	32,824,738.
4	Recoveries of amounts treated as qualifying distributions	4	235,807.
5	Add lines 3 and 4	5	33,060,545.
6	Deduction from distributable amount (see instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	33,060,545.

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	1 a	30,453,038.
b	Program-related investments — total from Part IX-B.	1 b	
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	3,221.
3	Amounts set aside for specific charitable projects that satisfy the		
a	Suitability test (prior IRS approval required)	3 a	
b	Cash distribution test (attach the required schedule)	3 b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	30,456,259.
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 (see instructions)	5	0.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	30,456,259.

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.

Part XIII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2012	(c) 2012	(d) 2013
1 Distributable amount for 2013 from Part XI, line 7				33,060,545.
2 Undistributed income, if any, as of the end of 2013				
a Enter amount for 2012 only			29,944,396.	
b Total for prior years 20 __, 20 __, 20 __				
3 Excess distributions carryover, if any, to 2013				
a From 2008 0.				
b From 2009 0.				
c From 2010 0.				
d From 2011 0.				
e From 2012 0.				
f Total of lines 3a through e 0.				
4 Qualifying distributions for 2013 from Part XII, line 4 ▶ \$ 30,456,259.				
a Applied to 2012, but not more than line 2a			29,944,396.	
b Applied to undistributed income of prior years (Election required — see instructions).				
c Treated as distributions out of corpus (Election required — see instructions).				
d Applied to 2013 distributable amount				511,863.
e Remaining amount distributed out of corpus 0.				
5 Excess distributions carryover applied to 2013 (If an amount appears in column (d), the same amount must be shown in column (a).)				
6 Enter the net total of each column as indicated below:				
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				
d Subtract line 6c from line 6b Taxable amount — see instructions 0.				
e Undistributed income for 2012 Subtract line 4a from line 2a Taxable amount — see instructions 0.				
f Undistributed income for 2013. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2014				32,548,682.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (see instructions).				
8 Excess distributions carryover from 2008 not applied on line 5 or line 7 (see instructions). 0.				
9 Excess distributions carryover to 2014. Subtract lines 7 and 8 from line 6a 0.				
10 Analysis of line 9:				
a Excess from 2009 0.				
b Excess from 2010 0.				
c Excess from 2011 0.				
d Excess from 2012 0.				
e Excess from 2013 0.				

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 2013, 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

Tax year	Prior 3 years			(e) Total
(a) 2013	(b) 2012	(c) 2011	(d) 2010	
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)(ii)				
(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))

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.

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 (see instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d.

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

The Robert A. Welch Foundation

5555 San Felipe, Suite 1900

Houston

TX

77056-2730

(713) 961-9884

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

Schedule 10

c Any submission deadlines

Schedule 10

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

Schedule 10

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 See Schedule 9				29,117,084.
Total			3 a	29,117,084.
b Approved for future payment See schedule 9				16,278,813.
Total			3 b	16,278,813.

Taxpayer's I.D.
76-0343128

Schedule I

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2014

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 15			
Insurance	187,501	105,418	69,497
Payroll Taxes	57,155	33,394	23,662
Contribution to the Defined Contribution Plan	34,938	20,102	14,754
	<u>279,594</u>	<u>158,914</u>	<u>107,913</u>

Taxpayer's I.D.
76-0343128

Schedule 1a

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2014

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 16a - Legal Fees	35,786	25,437	10,349
Line 16b - Accounting Fees	77,704	36,785	38,852
Line 16c - Other Professional Fees			
Investment Advisors	3,162,659	5,212,597	
Custody Management Fee	39,580	39,580	
Investment Consulting	141,273	141,273	
Land and Royalty Consulting	61,800	61,800	
Other Misc. Professional Fees	29,419	14,830	16,250
	<u>3,434,731</u>	<u>5,470,080</u>	<u>16,250</u>

Taxpayer's I.D.
76-0343128

Schedule 2

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2014

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 18 - Taxes			
Production	131,915	131,915	0
Ad Valorem	77,929	77,929	0
Federal Excise Tax	104,232	0	0
Foreign Taxes Paid	0	498,785	0
	<u>314,076</u>	<u>708,629</u>	<u>0</u>

Line 19 - Depreciation Depletion, and Amortization

Depletion	0	3	0
Depreciation (Schedule 11)	<u>5,154</u>	<u>8,721</u>	<u>0</u>
	<u>5,154</u>	<u>8,724</u>	<u>0</u>

Taxpayer's I.D.
76-0343128

Schedule 3

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2014

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 23 - Other Expenses			
Bank Fees	3,574	1,896	1,678
Office Supplies	8,160	4,140	4,020
Dues and Subscriptions	16,301	9,943	6,358
Sundry	19,022	12,352	6,803
Postage	2,219	111	2,108
Insurance	91,416	52,740	34,916
Service Agreement	2,324	1,179	1,145
Visitation	7,419	0	7,419
Public Relations	3,193	319	2,874
Telephone	13,016	3,254	9,762
Computer Supplies & Maintenance	78,537	39,843	38,694
Advisory Board Fees & Expenses	341,911	0	341,911
Semiannual Meetings	32,725	0	32,725
Portfolio Deductions	0	190,866	0
Equipment Rental, Storage & Other Leases	22,357	11,342	11,015
	<u>642,174</u>	<u>327,985</u>	<u>501,428</u>

Taxpayer's I.D.
76-0343128

Schedule 4

The Robert A. Welch Foundation
990PF, page 2
Year Ended August 31, 2014

Part II, Line 14, Column (b)	Basis	Accumulated Depreciation	Net
Land, Buildings, and Equipment			
Leasehold Improvements	451,133	451,133	0
Furniture and Fixtures	391,370	336,009	55,361
Automobile	41,754	41,754	0
Hardware	99,755	80,544	19,211
Software	125,848	125,848	0
	<u>1,109,860</u>	<u>1,035,288</u>	<u>74,572</u>

Part II, Line 15, Column (b)	
Other Assets	
Custody Receivable	1,836,131
Other Receivables	8,186
Oil and Gas Royalties Receivable	243,403
Dividend Receivable	184,652
Interest Receivable	279,965
Prepaid Pension Costs	753,209
Prepaid FET	202,469
Section 10	505,177
Other Assets	48,779
	<u>4,061,971</u>

Part II, Line 22, Column (b)	
Other Liabilities	
Deferred Federal Tax Payable	2,583,949
	<u>2,583,949</u>

Amounts are reported at cost.

The Robert A. Welch Foundation
Investments-US Government Obligations
Year Ended August 31, 2014
Form 900PF, page 2

Taxpayer's ID 76-0343128
Schedule 4a

Quantity	Security	Cost
2,000,000	USTN 0.125% Due 04-30-15	1,996,725
1,000,000	USTN 0.250% Due 12-31-15	998,285
2,500,000	USTN 0.375% Due 01-15-16	2,501,473
2,500,000	USTN 0.375% Due 04-30-16	2,496,688
1,000,000	USTN 0.375% Due 06-30-15	1,000,550
2,500,000	USTN 0.625% Due 02-15-17	2,495,809
2,200,000	USTN 0.750% Due 03-15-17	2,190,039
1,500,000	USTN 0.875% Due 04-30-17	1,492,622
1,500,000	USTN 1.250% Due 10-31-19	1,521,158
2,450,000	USTN 1.625% Due 07-31-19	2,434,313
3,000,000	USTN 1.625% Due 08-15-22	2,981,262
1,200,000	USTN 1.625% Due 11-15-22	1,199,489
750,000	USTN 1.750% Due 05-15-22	757,562
1,000,000	USTN 1.750% Due 05-15-23	922,621
2,000,000	USTN 1.875% Due 10-31-17	1,929,539
2,500,000	USTN 2.125% Due 08-15-21	2,542,744
1,600,000	USTN 2.375% Due 02-28-15	1,647,595
685,000	USTN 2.375% Due 09-30-14	688,053
1,250,000	USTN 2.375% Due 12-31-20	1,257,622
1,000,000	USTN 2.500% Due 08-15-23	982,660
1,500,000	USTN 2.625% Due 04-30-18	1,503,053
3,500,000	USTN 2.625% Due 08-15-20	3,473,901
3,000,000	USTN 2.625% Due 11-15-20	2,833,723
2,000,000	USTN 2.750% Due 05-31-17	2,050,008
2,000,000	USTN 2.875% Due 03-31-18	2,038,758
3,000,000	USTN 3.625% Due 08-15-19	3,091,939
3,825,000	USTN 7.500% Due 11-15-16	4,680,844
4,950,000	USTN 9.250% Due 02-15-16	6,910,184
		<u>60,619,219</u>
Less Accumulated Amortization		(2,456,322)
Total Bond Cost		<u><u>58,162,897</u></u>

Amounts are reported at cost.

The Robert A Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2014
Form 900PF, page 2

Taxpayer's ID 76-0343128
Schedule 4b

Shares	Security	Cost
3.900 00	3M CO COM	283,302
12,300 00	ABBOTT LABS COM	306,676
12,300 00	ABBVIE INC COM	332,564
4,200 00	ACE LTD SHS	392,635
6,520 00	ALERE INC COM	239,487
3,500 00	ALLIANT TECHSYSTEMS	229,207
26,450 00	ALTERA CORP COM	732,058
25,600 00	ALTRIA GROUP	468,920
6,900 00	AMERICAN EXPRESS	235,207
4,400.00	ANADARKO PETRO	346,468
17,995 00	AOL INC COM	578,019
25,800 00	AON PLC SHS CL A	1 186,180
26,950 00	APPLE COMPUTER INC COM	656,209
2 400 00	ASML HOLDING N V N Y REGI	214,742
8,400 00	AUTOMATIC DATA PROCESS CO	356,473
2,160 00	AUTOZONE	677,077
18,540 00	AVIS BUDGET GROUP COM	449,241
17,700 00	BERKLEY W R CORP COM	486,558
29,400 00	BERKSHIRE HATHAWAY INC CL	2,794,890
2,300 00	BLACKROCK INC COM	416,786
2,000 00	CANADIAN PAC RY LTD COM	242,001
5,000 00	CATERPILLAR INC DEL COM	357,415
8,850 00	CHECK POINT SOFTWARE ORD	576,737
12,500.00	CHEVRON CORP	857,378
48,800 00	CITIGROUP INC COM	2,331,077
109,300 00	COCA COLA	2,421,605
9,300 00	COMCAST CORP CL A	373,909
26.025 00	COMCAST CORP CL A SPL	558,938
12,400 00	CONOCOPHILLIPS	419,178
15,300 00	CONSTELLATION BRANDS CL A	662,186
11,970 00	CST BRANDS INC COM	412,106
32,010 00	DELTA AIR LINES DEL COM	778,159
2,000.00	DIAGEO P L C SPON ADR	238,226
11,900 00	DISH NETWORK CORP CL A	446,003
8,500 00	DISNEY	325,237
22,145 00	DRESSER-RAND GROUP INC CO	1,027,830
13,860 00	EASTMAN CHEMICAL	456,219
16,800 00	ECOLAB	770,190
3,000 00	EOG RES	207,343
26,972 00	EXXON MOBIL	1,834,884
11,500 00	F M C CORP	676,602
12,300 00	FRANKLIN RES INC COM	526,383
11,100 00	FREEPORT-MCMORAN COM	628,098
16,000.00	GENERAL ELECTRIC	216,026
5,000 00	GILEAD SCIENCES INC COM	387,846
5,567 00	GOLDMAN SACHS	738,809
1,190 00	GOOGLE INC CL A	327,026
1,190 00	GOOGLE INC CL C	327,026
18,590.00	GRACE W R & CO DEL COM	1,231,367
33,290 00	GRAPHIC PACKAG HLDG COM	404,508

The Robert A. Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2014
Form 990PF, page 2

Taxpayer's ID 76-0343128
Schedule 4b

Shares	Security	Cost
24,800.00	HALOZYME THERAPEUTICS COM	264,719
38,080.00	HERTZ GLOBAL HLDGS INC	987,342
43,230.00	HEWLETT PACKARD CO COM	815,447
3,983.00	HSBC HLDGS ADR	251,579
16,800.00	INTEL	141,158
5,300.00	INTL BUS MACH	726,505
5,600.00	INTREXON CORP COM	125,801
11,700.00	JOHNSON & JOHNSON	710,771
16,800.00	JP MORGAN CHASE & CO	743,300
10,300.00	KINDER MORGAN INC DEL COM	371,944
3,800.00	LAUDER ESTEE COS INC CL A	232,095
10,290.00	LEXMARK INTL CL A	333,663
54,460.00	LIBERTY GLOBAL PLC SHS CL	1,054,892
11,500.00	LOEWS CORP COM	423,296
25,300.00	LOWES COS	1,031,463
13,150.00	LYONDELLBASELL INDUSTRY	910,223
9,300.00	MCDONALDS	405,711
6,300.00	MCGRAW HILL	66,562
7,300.00	MERCK & CO INC	238,574
55,900.00	MICROSOFT	1,660,704
37,100.00	MONDELEZ INTL INC CL A	859,603
43,850.00	MORGAN STANLEY COM	688,137
15,730.00	MOTOROLA SOLUTIONS INC CO	793,965
9,330.00	MYRIAD GENETICS INC COM	273,369
22,250.00	NCR CORP COM	721,609
33,150.00	NESTLES ADR	1,044,028
2,775.00	NEWS CORP CL A	12,688
24,500.00	NOBLE ENRGY INC COM	1,126,656
5,250.00	NOVARTIS A G SPONSORED AD	372,635
25,500.00	NOVO-NORDISK A S ADR	300,120
17,630.00	OCCIDENTAL PETE	1,570,295
21,090.00	OMNICARE INC COM	566,140
93,600.00	ORACLE	2,919,570
23,700.00	PEPSICO	1,535,602
23,000.00	PHILIP MORRIS INTL INC	1,051,912
17,930.00	PHILLIPS 66 COM	1,089,477
32,320.00	PITNEY BOWES INC COM	500,095
7,950.00	POLYONE CORP COM	285,245
15,000.00	PRAXAIR	977,663
13,300.00	PROCTER & GAMBLE	703,827
8,600.00	QUALCOMM INC COM	356,743
16,800.00	ROCHE HLDG LTD SPONSORED	373,406
12,300.00	ROYAL DUTCH SHELL PLC	617,993
17,050.00	SANDISK CORP COM	1,169,565
21,930.00	SEAGATE TECHNOLOGY PLC	743,595
50,310.00	SEALED AIR CORP COM	1,377,023
14,350.00	SEMGROUP CORP CL A	837,126
34,360.00	SERVICE CORP INTL COM	506,325
193,970.00	SIRIUS XM HLDGS INC COM	633,566
8,460.00	STARWOOD HOTELS & RESORT	631,414

The Robert A. Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2014
Form 990PF, page 2

Taxpayer's ID 76-0343128
Schedule 4b

Shares	Security	Cost
3,000.00	STATE STR	215,024
11,500.00	TARGET CORP COM	568,435
7,850.00	THERAVANCE BIOPHARMA COM	136,719
30,180.00	THERAVANCE INC COM	625,223
8,800.00	THERMO ELECTRON	296,961
2,600.00	TIME WARNER CABLE INC COM	165,568
15,600.00	TOTAL S A ADR	913,608
8,590.00	TRIBUNE CO CL A	655,344
11,100.00	TWENTY FIRST CENTY FOX CL	98,123
61,300.00	TWENTY FIRST CENTY FOX CL	2,000,937
15,600.00	TX INSTRS	497,189
12,620.00	TYCO INTERNATIONAL LTD SH	303,495
2,400.00	UNION PAC CORP COM	190,560
8,000.00	UNITED TECHNOLOGIES CP CO	563,004
20,000.00	UNITEDHEALTH GROUP	1,178,486
22,082.00	VALEANT PHARMACEUTICAL CO	1,431,930
13,640.00	VALSPAR CORP COM	372,442
9,290.00	VIACOM INC CL B	499,557
4,030.00	VISTEON CORP COM	368,694
29,800.00	WAL MART	1,427,249
8,100.00	WALGREEN	254,206
10,000.00	WELLS FARGO	410,262
17,940.00	WYNDHAM WORLDWIDE CORP CO	597,095
1.00	EDGBASTON ASIAN EQUITY TR	25,000,000
1,650,145.30	BLACKROCK RUSSELL 3000 IN	30,669,996
43,270.00	ISHARES EAFE IDX	2,930,656
2,544,692.99	MANNING & NAPIER FD OVERS	65,440,996
22,400.00	DODDINGTON EMF, LLC	22,400,000
912,445.99	SII INT'L VALUE EQUITY	50,728,835
2,365,342.03	WELLINGTON CTF DIH	38,708,059
		<u>317,926,805</u>

Amounts are reported at cost.

The Robert A Welch Foundation
Investments-Other
Year Ended August 31, 2014
Form 900PF, page 2

Taxpayer's ID 76-0343128
Schedule 4c

Part II, Line 10c, Column (b)

Corporate bonds:

Brandywine Global Investment Management Trust	20,609,735
LL Mortgage Fund, LP	9,500,000
	<u>30,109,735</u>

Part II, Line 13, Column (b)

Other Investments:

Ashbel Smith Management Company Preferred	156,667
Ashbel Smith Management Company Common	20,000
Mineral and Fee Properties	3,116,393
RWF Fund, LP	121,157,817
	<u>124,450,877</u>

Amounts are reported at cost.

Taxpayer's I.D.
76-0343128

Schedule 5

The Robert A. Welch Foundation
990PF, page 2
Year Ended August 31, 2014

Part III, Line 5

Increase in Prepaid Pension	103,807
Federal Excise Tax Provision on Capital Gains	<u>(1,816,766)</u>
	<u><u>(1,712,959)</u></u>

Taxpayer's I.D.
76-0343128

Schedule 6

The Robert A. Welch Foundation
990PF, page 6
Year Ended August 31, 2014

Part VIII, Line 1

Name/ Address	Title	Time Devoted	Compensation	Benefit Plans	Expense Account and Allowance
Wilhelmina E. Robertson 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Chair & Director	6 hours	50,000	0	0
Charles W. Tate 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Vice Chair & Director	4 hours	35,000	0	0
Carin M. Barth 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Secretary & Director	4 hours	35,000	0	0
Ernest H. Cockrell 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Treasurer & Director	4 hours	35,000	0	0
Robert C. Robbins, M.D. 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730 (June 1, 2014 -)	Director	4 hours	11,667	0	0
Norbert Dittrich 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	President	40 hours	625,000 (1)	111,111	7,486
			<u>791,667</u>		
Applied to Direct Charitable Activities			<u>(146,645)</u>		
Page 1, Part 1, Line 13(a)			<u>645,022</u>		

(1) Salary	450,074
Benefit restoration payment made due to the compensation limit imposed on Defined Benefit Retirement Plans.	<u>174,926</u>
	<u>625,000</u>

The Robert A. Welch Foundation
Year Ending August 31, 2014

Taxpayer's ID 76-0343128
Schedule 7

Security	Acquired	Date Acquired	Date Sold	Proceeds	Cost Basis	Gain or Loss Short Term	Gain or Loss Long Term
Publicly Traded Securities	purchase	various	various	58,741,775	49,432,673	644,526	8,664,576
Other Gains and Losses							
Aberdeen Funds	purchase	various	various	48,250,647	47,300,000	1,389,188	(438,541)
BlackRock	purchase	various	various	12,650,000	11,444,226	1,205,774	0
City of London ^(A)	purchase	various	various	0	0	0	(2,003,299)
Silchester International Value Equity	purchase	various	various	650,559	502,038	95,838	52,683
Wellington CTF DIH	purchase	various	various	12,300,000	11,862,829	0	437,171
BlackRock (K-1)	purchase	various	various			(71,379)	4,143,514
Brandywine (K-1)	purchase	various	various			13,600	615,063
City of London (K-1)	purchase	various	various			303,909	1,496,049
RWF Fund, L P (K-1)	purchase	various	various			851,674	10,277,587
Silchester International Value Equity (K-1)	purchase	various	various			374,487	4,391,945
Wellington CTF DIH (K-1)	purchase	various	various			(2,095,305)	1,807,238
				132,592,981	120,541,766	2,712,312	29,443,986

Short Term Taxable Gain(Loss)	2,712,312
Long Term Taxable Gain(Loss)	29,443,986
Part I, Line 7	32,156,298

(A) City of London was sold in the prior fiscal year. Additional basis was incurred as a result of a K-1 received subsequent to the sale and subsequent to The Welch Foundation's fiscal year end. This entry accounts for the removal of that basis.

Taxpayer's I.D.
76-0343128

Schedule 8

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2014

	<u>Receipts and Expenses Per Book</u>	<u>Net Investment Income</u>	<u>For Exempt Purpose</u>
Line 11			
Other Income:			
Royalties	2,995,562	3,075,742	0
Other Income	<u>313,278</u>	<u>(281,762)</u>	<u>0</u>
	<u>3,308,840</u>	<u>2,793,980</u>	<u>0</u>

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1779	GOV	Texas A&M International University Laredo, TX	The Design, Synthesis, Characterization and Binding Studies of Multivalent Polypyridine Based Macrocyclic Carbohydrate Receptors in Aqueous Solutions	45,000	0	45,000		0
1595	GOV	UT at Dallas Richardson, TX	Tailoring Small Molecules to Mimic Protein Helical Surfaces	0	180,000	60,000		120,000
1835	GOV	UT at San Antonio San Antonio, TX	Synthesis of Liquid-Chromatographic Affinity Columns to Isolate Glycoproteins and Glycopeptides with Highly-Branched Glycans	0	180,000	60,000		120,000
1753	GOV	UT at Austin Austin, TX	A Synthetic Biochemistry Platform for Alkane Synthesis in Yeast	0	180,000	75,000		105,000
1704	GOV	UT Southwestern Medical Center Dallas, TX	Post-Translational Modification of Host Enzymes by Bacterial Effector Proteins	0	75,000	75,000		0
1619	GOV	UT Southwestern Medical Center Dallas, TX	Mechanism and Zonation of Hepatic Crosstalk between Lipogenesis and Canonical Wnt- Signaling	0	60,000	60,000		0
1802	GOV	UT at Austin Austin, TX	Enhanced Optical Magnetism and Chirality in Plasmonic Metamaterials Strong Molecular Sensitivity and Broadband, Giant Circular Dichroism	90,000	0	60,000		30,000
1836	GOV	UT at Austin Austin, TX	Nanodisc-Based Delivery of Membrane Protein Therapeutics	0	180,000	75,000		105,000
1153	GOV	UT at Dallas Richardson, TX	Zeolite Encapsulated Metal Complexes	150,000	0	75,000		75,000
1680	PC	Rice University Houston, TX	New Strategies for Catalytic Bond Formation	0	225,000	93,750		131,250
1728	GOV	University of Houston Houston, TX	Understanding Nanocrystalline CoO as an Efficient Photocatalyst for Solar Water Splitting	150,000	0	75,000		75,000
1647	GOV	Texas A&M University College Station, TX	Fluorescent Probes for Interrogating Fe-S Cluster Transfer Chemistry	105,000	0	60,000		45,000
1780	GOV	UT at Austin Austin, TX	Discovering Functional Nucleic Acid Families by Deep Sequencing and Fold Sampling	30,000	0	10,000		0
1309	PC	Rice University Houston, TX	Novel Peroxisomal Processes in Plants	0	225,000	93,750		131,250
1705	GOV	UT at Austin Austin, TX	Plasmonic-Enhanced Nanoscale Mid-Infrared Microscopy with Monolayer Sensitivity	0	60,000	60,000		0
1803	GOV	UT at Austin Austin, TX	Understanding the Crystal Chemistry of Bi-Based Perovskites	90,000	0	60,000		30,000
1729	PC	Rice University Houston, TX	Dynamical Consequences of Protein Chemistry in Synthetic Gene Circuits	90,000	0	45,000		45,000
639	GOV	Texas A&M University College Station, TX	Thermally Responsive Multiphase Catalyst Systems	0	75,000	75,000		0
1649	GOV	UT at El Paso El Paso, TX	Elucidation of a Novel Mechanism Used by a Virus Encoded Chaperonin	120,000	0	60,000		60,000
747	GOV	Texas A&M University College Station, TX	Structure and Dynamics of Prototypical Hydrogen Bonded and Related Interactions	0	60,000	60,000		0
490	PC	Rice University Houston, TX	Chemistry of Carbon Nanomaterials	0	225,000	93,750		131,250
1337	GOV	University of Houston Houston, TX	Theory and Simulations of Electronic Dynamics in Organic Solar Cells	0	75,000	75,000		0
1420	GOV	UT Southwestern Medical Center Dallas, TX	Determining Lipid-Protein Interactions for a Channel Gated by Membrane Tension	0	180,000	75,000		105,000
1706	GOV	Texas A&M University College Station, TX	The Sotogashira Catalyst System for C-C Coupling Reactions New Mechanistic Insights and Improved Recyclability	0	60,000	60,000		0
1155	GOV	UT at Austin Austin, TX	Fundamentals of Photo- and Electron-Based Activation of Ions in the Gas Phase	112,500	0	75,000		37,500
1568	GOV	UT Southwestern Medical Center Dallas, TX	Analytical Approaches to Characterize Iron- and Oxygen-Sensing Mechanisms, Governing Cellular Iron Homeostasis	105,000	0	60,000		45,000
1121	GOV	Texas A&M University College Station, TX	Dysregulation of Intracellular Lipid Synthesis During Disease	0	75,000	75,000		0
1804	GOV	UT Southwestern Medical Center Dallas, TX	Hydrogenations of Stereochemically Complex Substrates The End of a Messy Divorce and the Beginning of a New Romance	105,000	0	60,000		45,000

The Robert A Welch Foundation

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1241	PC	Rice University Houston, TX	Structure and Properties of Complex Fluids in the Bulk and Interfacial Regions	0	300,000	125,000		175,000
1837	GOV	UT at Austin Austin, TX	Simulating Direct Images of the Covalent Bond from Atomic Force Microscopy	0	180,000	75,000		105,000
1731	GOV	UT HSC at Houston Houston, TX	Biochemical Mechanism of MAVS Activation by Prion-Like Polymerization	105,000	0	60,000		45,000
1730	GOV	UT at San Antonio San Antonio, TX	Functional Porous Metal-Organic Frameworks for Recognition of Small Molecules	200,000	0	100,000		100,000
1389	GOV	UT Southwestern Medical Center Dallas, TX	Mechanistic Studies on the Vanadium-Catalyzed C-H Hydroxylation Reactions	175,000	0	100,000		75,000
1805	GOV	UT Southwestern Medical Center Dallas, TX	Mechanistic Action of BET Compound Inhibitors in Cancer Therapeutics	105,000	0	60,000		45,000
1242	PC	Baylor College of Medicine Houston, TX	Structural Studies of Viruses by Cryo-EM	0	225,000	93,750		131,250
1532	GOV	UT Southwestern Medical Center Dallas, TX	Quantitative Characterization of Nuclear Export Inhibition	0	225,000	93,750		131,250
1286	GOV	UT Southwestern Medical Center Dallas, TX	Mitochondrial Signaling by Reversible Phosphorylation	105,000	0	60,000		45,000
673	GOV	Texas A&M University College Station, TX	Metal Phosphonates as Crystal Engineered Solids and Platforms for Drug Delivery	131,250	0	75,000		56,250
1570	PC	Rice University Houston, TX	Mapping the Free Energy Landscape of Proteins by Combining Theory and Experiment	150,000	0	75,000		75,000
1243	GOV	UT Southwestern Medical Center Dallas, TX	Regulatory and Catalytic Properties of MAP Kinase Cascades	0	180,000	75,000		105,000
1212	PC	Texas Christian University Fort Worth, TX	Hollow Semiconductor Nanotubes Structural and Compositional Control	0	75,000	75,000		0
1806	GOV	University of Houston Houston, TX	New Catalytic Asymmetric Carbon-Carbon Bond Forming Methods	120,000	0	60,000		60,000
1732	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Analysis of a Nuclear Poly(A)-Dependent RNA Decay Pathway	105,000	0	60,000		45,000
1756	GOV	UT at Austin Austin, TX	In Vivo Structure Characterization of Catalytic RNAs by Fluorescence	0	180,000	75,000		105,000
1244	GOV	UT Southwestern Medical Center Dallas, TX	Recognition of DNA by Synthetic Oligomers	0	300,000	125,000		175,000
1838	GOV	Texas Tech University Lubbock, TX	Photosensitizable Ligands for Light Harvesting by Transition Metal Complexes	0	180,000	60,000		120,000
1757	GOV	Texas Tech University HSC Lubbock, TX	Crystallographic and Functional Studies in KcsA-Kv Channel Chimeras that Differ in C-Type Inactivation Properties	0	180,000	75,000		105,000
1839	PC	Rice University Houston, TX	Spin Dynamics in Single Molecular Magnets	0	180,000	75,000		105,000
1390	GOV	UT at Austin Austin, TX	Targeting MELK for Cancer Therapy	112,500	0	75,000		37,500
1840	GOV	UT Southwestern Medical Center Dallas, TX	Probing Oncogenic Functions of Vimentin Filaments by Small Molecule Screens	0	180,000	75,000		105,000
923	GOV	Texas A&M University College Station, TX	Design and Reactivity Studies of Metal Catalysis for the Production of Polycarbonates from Novel Oxiranes and Carbon Dioxide	0	75,000	75,000		0
924	GOV	Texas A&M University College Station, TX	Synthetic Analogues and Reactivity Studies of Iron, Nickel, and Zinc Biomimetic Complexes Containing Histidine, Cysteine, and Nitric Oxide as Ligands	0	75,000	75,000		0
1422	GOV	UT Southwestern Medical Center Dallas, TX	Novel Heterocyclizations for Natural Product Synthesis	0	225,000	93,750		131,250
1733	GOV	UT Southwestern Medical Center Dallas, TX	Glutamine-Dependent Reductive Carboxylation A Metabolic Achilles' Heel in Cancer	175,000	0	100,000		75,000
1500	GOV	UT Southwestern Medical Center Dallas, TX	The Role of Regulation Proteasome Function by Reversible SUMOylation	105,000	0	60,000		45,000
1289	GOV	UT at Arlington Arlington, TX	Metal Complexes of Fluorinated Ligands	200,000	0	100,000		100,000

The Robert A. Welch Foundation

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1625	PC	Rice University Houston, TX	Activated Spatial Regulation of Intracellular Chemistry	0	60,000	60,000		0
1781	GOV	UT at Austin Austin, TX	Site-Selective C-H Bond Functionalization	30,000	0	30,000		0
1782	GOV	UT Southwestern Medical Center Dallas, TX	Cooperative Assembly of HIV Transcription Elongation Complexes	45,000	0	45,000		0
1038	GOV	UT at Austin Austin, TX	Femtosecond Nonlinear Spectroscopy of Column IV Nano-Interface Chemistry	150,000	0	100,000		50,000
1682	PC	Rice University Houston, TX	Infrared and Millimeterwave Spectroscopy of Graphene and Topological Insulators	0	225,000	93,750		131,250
1449	GOV	Texas A&M University College Station, TX	Magnetic and Electronic Properties of Molecular Materials Investigation of Factors that Effect Bistability	0	100,000	100,000		0
734	PC	Rice University Houston, TX	Studies Involving Molecules in High Rydberg States	0	300,000	125,000		175,000
1783	GOV	UT at Austin Austin, TX	Passive Transport Through Membrane	30,000	0	30,000		0
1654	GOV	UT at Austin Austin, TX	Thermostable T7 RNA Polymerase for Diagnostic Applications	90,000	0	60,000		30,000
1709	GOV	UT at Austin Austin, TX	Chemistry and Properties of Self-Assembly Directed Nanomaterials	0	60,000	60,000		0
1126	GOV	Texas Tech University Lubbock, TX	Dynamics of Impurities in Semiconductors	0	75,000	75,000		0
1734	GOV	UT at Austin Austin, TX	Investigation of a General Mechanism for Rational Synthesis of Three-Dimensional Semiconductor Nanosuperstructures by Designed Chemical Catalysts	90,000	0	60,000		30,000
1572	GOV	UT at Austin Austin, TX	Chemical Probes for Biological Catalysts	112,500	0	75,000		37,500
1807	GOV	Texas Tech University Lubbock, TX	Base Metal Catalyzed Olefin Metathesis Reactions	120,000	0	60,000		60,000
1808	GOV	UT at Austin Austin, TX	Molecular Mechanisms of Replicating Through DNA Lesions	90,000	0	60,000		30,000
1245	GOV	UT HSC at San Antonio San Antonio, TX	Mechanisms of Oxidative Enzymes	0	180,000	75,000		105,000
1710	GOV	Texas A&M University College Station, TX	First Chemical Investigation of Element 113	0	60,000	60,000		0
1809	PC	Rice University Houston, TX	Topological Matter Phases Under Extreme Duress Dynamics and Disorder	90,000	0	45,000		45,000
1735	GOV	UT at San Antonio San Antonio, TX	Development of Non-Traditional Catalytic Pathways of Stereodefined Enol Triflates	150,000	0	75,000		75,000
1423	GOV	Texas A&M University College Station, TX	Cationic Gold-Antimony Complexes - Lewis Acidic and Catalytic Properties	0	300,000	125,000		175,000
1599	GOV	UT at Austin Austin, TX	Fundamental Studies of Self-Assembly in Mixtures of Organic and Inorganic Molecules	0	300,000	125,000		175,000
823	GOV	UT Southwestern Medical Center Dallas, TX	Formaldehyde Cross-Linking for Discovery of Novel Regulatory Elements Exhibiting Long- Range Interactions Within and Between Chromosomes	0	180,000	75,000		105,000
1656	GOV	Texas A&M University College Station, TX	Werner Complexes as "Organocatalysis"	131,250	0	75,000		56,250
1810	GOV	Texas A&M University College Station, TX	Phospholipid-Protein Interactions in Energy Transformation Reactions	105,000	0	60,000		45,000
1759	PC	Baylor College of Medicine Houston, TX	Gene Regulation by Transcription Factors Single-Molecule Chemistry in the Cell	0	180,000	75,000		105,000
1128	GOV	UT Southwestern Medical Center Dallas, TX	Docking Interactions between the MAP3Ks, ASK1/1 AO2 and B-Raf with their Cognate MAP2Ks, MEK6 and MEK1	0	75,000	75,000		0
1066	GOV	UT at Austin Austin, TX	Influence of Counter Cation in Mixed-Metal Oxides	150,000	0	100,000		50,000
1296	GOV	UT HSC at Houston Houston, TX	Combinatorial Selection and Design of Next Generation X-aplomers	105,000	0	60,000		45,000

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1577	GOV	University of North Texas Denison, TX	Ergodicity Breaking in Chemical, Biological and Cooperative Systems	120,000	0	60,000		60,000
1505	GOV	UT Southwestern Medical Center Dallas, TX	Structure Mechanism of Circadian Clock-Mediated Transcription Activation	131,250	0	75,000		56,250
1297	GOV	University of Houston Houston, TX	Chemical Bonding and Properties of "Electron-Poor" Intermetallics Along the Zintl Border	150,000	0	75,000		75,000
1761	PC	Rice University Houston, TX	Analytical Surface Enhanced Raman Spectroscopy for Biological Interfaces	0	180,000	75,000		105,000
1220	PC	Rice University Houston, TX	Chemical and Photophysical Properties on Complex Nanoparticles and Nanoparticle Complex	150,000	0	75,000		75,000
1457	GOV	University of Houston Houston, TX	Advanced Second-Harmonic Generating Materials	0	75,000	75,000		0
648	GOV	Texas A&M University College Station, TX	Computational Chemistry on Transition Metal Systems	0	75,000	75,000		0
1397	GOV	Texas A&M University College Station, TX	Nuclear Decay Studies	105,000	0	60,000		45,000
1811	GOV	UT at Austin Austin, TX	Structural Characterization of a Novel Regulator of H ⁺ Flow Across the Bacterial Membrane A Potential Antimicrobial Drug Target	90,000	0	45,000		45,000
1399	GOV	UT HSC at San Antonio San Antonio, TX	Structure and Action of a <i>Schistosoma mansoni</i> Sulfotransferase Implicated in Drug Resistance	131,250	0	75,000		56,250
1557	PC	Rice University Houston, TX	Synthesis of Nanostructured Organic Materials via Self-Assembly	0	75,000	75,000		0
1131	GOV	UT at Austin Austin, TX	Design of Polymeric Binder-Carbon Particle Composites of Lithium Ion Battery Electrode	0	100,000	100,000		0
1841	GOV	UT at Austin Austin, TX	Design of Materials for Energy Conversion and Storage	0	180,000	75,000		105,000
1812	GOV	UT Southwestern Medical Center Dallas, TX	Structural Basis of Chemical Transmitter Recognition by Pentameric Ligand-Gated Ion Channels	105,000	0	60,000		45,000
1657	GOV	UT Southwestern Medical Center Dallas, TX	The Role of the V0 ATPase in SNARE-Mediated Membrane Fusion	105,000	0	60,000		45,000
1658	GOV	Texas A&M University College Station, TX	Structure and Folding of Membrane Targeted Peptides	105,000	0	60,000		45,000
1842	GOV	UT HSC at San Antonio San Antonio, TX	Structural and Mechanistic Studies of TGF- β Superfamily Signaling Proteins	0	180,000	75,000		105,000
1206	GOV	University of Houston Houston, TX	Synthesis of Metal Complexes with Sterically Encumbered Ketimide Ligands	0	60,000	60,000		0
1631	GOV	UT at Austin Austin, TX	Seeded Growth of Inorganic Materials within Organic Templates	0	75,000	75,000		0
1660	GOV	UT Southwestern Medical Center Dallas, TX	Chemical Regulation of Adult Hippocampal Neurogenesis	131,250	0	75,000		56,250
1843	GOV	UT at Dallas Richardson, TX	Sulfur Poisoning of Complex Oxide Catalysts for Nitric Oxide (NO) Oxidation Effect of Crystal Structure and Stoichiometry	0	180,000	60,000		120,000
991	PC	Rice University Houston, TX	The Free Energy Pathway for Lipid Transformations in Membrane Fusion	0	180,000	75,000		105,000
1133	PC	Rice University Houston, TX	Matter Wave Solitons Collisions, Coherence, and Atom Interferometry	0	100,000	100,000		0
1738	GOV	UT at Austin Austin, TX	New Poly-Carboxylated Aryl Phosphines for the Designed Synthesis of Coordination Complexes and Polymers	90,000	0	60,000		30,000
1535	GOV	UT at Austin Austin, TX	First-Principles Investigation of the Structure, Chemistry and Properties of Graphene-Based Nanomaterials	0	225,000	93,750		131,250
1784	GOV	Texas A&M University College Station, TX	A Novel Interaction Within Protein Kinase C Enzyme	45,000	0	45,000		0
1188	GOV	UT at Austin Austin, TX	Understanding a New Family of Reporting Molecules	0	180,000	75,000		105,000
1274	GOV	UT at Austin Austin, TX	Complex Active Sites for Phosphoryl Transfer Continued Chemical, Biochemical, Biophysical and Structural Analyses	0	75,000	75,000		0

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1507	GOV	UT HSC at San Antonio San Antonio, TX	Identification of Sodium and Glutamine Binding of SNAIT1 Amino Acid Transporter Using Matogenesis Scanning Approach	131,250	0	75,000		56,250
1785	GOV	UT at Austin Austin, TX	Study of Chemical Modification in Cell Signaling	30,000	0	30,000		0
1578	GOV	UT Southwestern Medical Center Dallas, TX	Error-Free High-Throughput Gene Sequencing	175,000	0	100,000		75,000
1603	GOV	UT Southwestern Medical Center Dallas, TX	Structural Basis for the Ligand-Gating of a Type I IP ₂ Receptor	0	300,000	125,000		175,000
1684	GOV	UT Southwestern Medical Center Dallas, TX	Structural and Functional Studies of RCK-Regulated Potassium Channel	0	225,000	93,750		131,250
1711	GOV	UT HSC at Houston Houston, TX	Dissection of Mechanisms of Polyubiquitin Chain Synthesis	0	60,000	60,000		0
1604	GOV	UT at Austin Austin, TX	Kinetics of Nucleotide Binding by HIV Reverse Transcriptase	0	225,000	93,750		131,250
1319	GOV	UT at Austin Austin, TX	Tuning Inorganic and Organic Nanoclusters Assembled from Primary Nanoparticles	0	300,000	125,000		175,000
816	GOV	UT at Austin Austin, TX	Molecular Precursors for New Functional Materials	0	75,000	75,000		0
680	GOV	University of Houston Houston, TX	Electrochemistry and Spectroelectrochemistry of Compounds with Multiple Redox Centers	200,000	0	100,000		100,000
1763	GOV	Texas A&M University College Station, TX	Biochemical and Biophysical Determination of Conserved RNA Polymerase Domains Function in Catalysis, Abortive Initiation and Template Interaction	0	180,000	75,000		105,000
1712	GOV	UT at Austin Austin, TX	Preparative <i>In Vitro</i> Biosynthesis of Complex Polyketides	0	75,000	75,000		0
1298	GOV	UT at Austin Austin, TX	Rearrangements of Alkynylazoles	90,000	0	60,000		30,000
1632	PC	Rice University Houston, TX	Single Molecule Studies of Molecular Interactions of Biological Macromolecules	0	75,000	75,000		0
1844	PC	Rice University Houston, TX	Creation of Halo Molecules with an Optical Feshbach Resonance	0	180,000	75,000		105,000
1786	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Characterization of a Novel Class of Noncoding RNAs	45,000	0	45,000		0
894	GOV	Texas A&M University at Galveston Galveston, TX	Chemical Models Classical to Quantum-Theoretic	0	75,000	75,000		0
1558	GOV	UT Southwestern Medical Center Dallas, TX	Characterization of the Endogenous Ligand for the Immunomodulatory Orphan Nuclear Receptor ROR γ	0	100,000	100,000		0
1358	GOV	Texas A&M University College Station, TX	Theoretical Studies of Heavy Ion Collisions	0	75,000	75,000		0
1686	GOV	UT Southwestern Medical Center Dallas, TX	New Chemical Tools to Study Extracellular Glycan Remodeling by Sialidases	0	300,000	125,000		175,000
1559	PC	Rice University Houston, TX	Theoretical Understanding of Chemical Mechanisms of Selectivity in Transport through Channels	0	100,000	100,000		0
1509	PC	Rice University Houston, TX	Optical, Infrared, and Terahertz Dynamics of Carbon Nanomaterials	112,500	0	56,250		56,250
1464	GOV	UT at Austin Austin, TX	Nanomaterials of Earth Abundant Elements for Energy Storage and Harvesting	0	100,000	100,000		0
608	GOV	University of Houston Houston, TX	Supersymmetric Quantum Mechanics Accurate Excited State Energies and Wave Functions	0	225,000	75,000		150,000
1764	GOV	UT Southwestern Medical Center Dallas, TX	Synthesis of Complex Natural Products via Novel C-C Bond-Forming Processes	0	225,000	93,750		131,250
396	GOV	Texas A&M University College Station, TX	Molecular Conformations and Vibrational Potential Energy Surfaces	0	75,000	75,000		0
1814	GOV	UT at Austin Austin, TX	Electrical Imaging of Chemically Intercalated Nano-Materials	90,000	0	45,000		45,000
634	GOV	UT at Austin Austin, TX	The Chemical Composition of Stars	0	100,000	100,000		0

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1607	GOV	UT at Austin Austin, TX	DNA Target Site Recognition by Mobile Group II Introns	0	180,000	75,000		105,000
1787	PC	Rice University Houston, TX	Exploiting Molecular Fluorescence to Probe Local Chemical Dynamics	30,000	0	30,000		0
1788	GOV	UT at San Antonio San Antonio, TX	New Enantioselective Strategies for the Synthesis of HPI Natural Products	60,000	0	60,000		0
1320	GOV	University of Houston Houston, TX	Aliphatic Dithiocarbonylates, Xanthates, and Dithiocarbamates on Metal Substrates and Metal Nanoparticles	0	225,000	75,000		150,000
1741	GOV	UT at Austin Austin, TX	Developing Potent Solamargine Analogs	112,500	0	75,000		37,500
1815	GOV	Lamar University Beaumont, TX	New Nickel(II) <i>s</i> -Aryl Complexes as Catalysts for Suzuki Cross-Coupling Reactions	105,000	0	60,000		45,000
1816	GOV	Texas A&M University College Station, TX	Surface Plasmon Enhanced Spectroscopic Rulers	105,000	0	60,000		45,000
1845	PC	Rice University Houston, TX	Biochemical and Functional Analysis of Histone Clipping	0	180,000	75,000		105,000
1361	GOV	Texas Tech University Lubbock, TX	Chiral <i>N</i> -Phosphonylimines-Controlled Asymmetric Reactions of Halo L-nolates	0	75,000	75,000		0
1662	GOV	UT at Austin Austin, TX	The Structural Basis of Microbial DNA Sensing in Innate Immunity	90,000	0	60,000		30,000
1713	GOV	UT Southwestern Medical Center Dallas, TX	Nuclear Chemistry at Trillion Degrees	0	60,000	60,000		0
1321	GOV	Texas Tech University Lubbock, TX	Energies and Defect Chemistry for Muonium in Oxide Semiconductors	0	180,000	60,000		120,000
1170	GOV	Texas A&M University College Station, TX	Characterization of Low-Molecular-Mass Iron and Manganese Complexes in Eukaryotic Cells	105,000	0	60,000		45,000
1664	PC	Rice University Houston, TX	Chemistry Meets Surface Plasmons	112,500	0	56,250		56,250
1789	GOV	UT Southwestern Medical Center Dallas, TX	Novel Imaging Probes for Investigating ER-Plasma Membrane Junctions	45,000	0	45,000		0
1715	GOV	Texas A&M University College Station, TX	Mechanistic Studies of Novel Enzymes	0	75,000	75,000		0
1714	GOV	UT HSC at Houston Houston, TX	High-Resolution Structure Determination of Molecular Machines <i>in situ</i> by Cryo Electron Tomography	0	75,000	75,000		0
1511	GOV	UT at Austin Austin, TX	Mechanistic Studies of the Drosophila RNA Interference Pathway	150,000	0	100,000		50,000
1560	GOV	UT Southwestern Medical Center Dallas, TX	Biosensors for Small Molecules and Enzymes	0	100,000	100,000		0
1608	GOV	UT Southwestern Medical Center Dallas, TX	Structural and Biochemical Studies of Gene Repression by Polycomb Repressive Complex 2 Catalysis and Recruitment	0	180,000	75,000		105,000
1790	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Mechanisms of Small RNA Production Pathways	45,000	0	45,000		0
1742	GOV	Texas A&M University College Station, TX	The Structural Basis for Lipid Regulation of Membrane Protein Function	105,000	0	60,000		45,000
1716	PC	Rice University Houston, TX	Development of Nanomaterials for Low Cost Solar Energy Harvesting	0	75,000	75,000		0
1362	GOV	UT at Arlington Arlington, TX	Total Synthesis of Imidazole-Containing Natural Products	0	75,000	75,000		0
1765	GOV	University of Houston Houston, TX	New Type of Electronic States in Vitreous Chalcogenides and Pnictides	0	180,000	60,000		120,000
1020	GOV	Texas A&M University College Station, TX	Reaction Dynamics Probed by Molecular-Framed Photoionization	0	75,000	75,000		0
1665	GOV	UT Southwestern Medical Center Dallas, TX	Modulation of Canonical Wnt Pathway Activity Using Small Molecules	131,250	0	75,000		56,250
1766	GOV	Texas A&M University College Station, TX	Template-Synthesis and Solution-Assembly of Polyaniline for Organic Energy Storage	0	180,000	75,000		105,000

The Robert A. Welch Foundation

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
1512	PC	Baylor College of Medicine Houston, TX	Biochemical Study of the Fusogenic Conformational Transition of Influenza Hemagglutinin	131,250	0	75,000		56,250
1473	GOV	UT at Austin Austin, TX	Electronic Properties of Graphene	0	100,000	100,000		0
1301	GOV	UT at Arlington Arlington, TX	Proton-Coupled Electron Transfer Mechanisms of DNA Cleavage by Photoexcited and Ground-State Ruthenium Polypyridyl Complexes	120,000	0	60,000		60,000
1689	GOV	UT Southwestern Medical Center Dallas, TX	New Methodology for the Determination of Absolute Stereochemistry	0	225,000	93,750		131,250
1514	GOV	UT at Austin Austin, TX	Theory and Simulations of Single-Molecule Dynamics	150,000	0	100,000		50,000
1275	GOV	UT Southwestern Medical Center Dallas, TX	Ligand Binding Properties of Nematode Orphan Nuclear Receptors	0	100,000	100,000		0
1254	GOV	UT at Austin Austin, TX	Synthesis and Properties of Transition Metal Oxides with Unusual Valence States	0	300,000	125,000		175,000
1515	GOV	UT at Austin Austin, TX	A Mass Spectrometry-Based Map of Universally-Shared Animal Protein Complexes	150,000	0	100,000		50,000
1174	GOV	University of North Texas Denton, TX	Kinetic and Product Studies of Complex-Forming Reactions in the Gas-Phase	120,000	0	60,000		60,000
1743	PC	Rice University Houston, TX	Ruthenium(II) Photoluminescent Probes for Sensing Amyloid-B Oligomers in Real-Time	90,000	0	45,000		45,000
1846	PC	Baylor University Houston, TX	New Powerful Lewis Acids as Metal-Free Catalysts	0	180,000	75,000		105,000
652	GOV	UT at Austin Austin, TX	Synthesis of Biologically Relevant Molecules	0	100,000	100,000		0
1817	GOV	UT at Austin Austin, TX	Structure and Function of a Nano-Scale Biological Machine	90,000	0	45,000		45,000
1323	PC	Rice University Houston, TX	Terpene Biosynthesis	0	180,000	75,000		105,000
1744	GOV	University of Houston Houston, TX	The Total Synthesis of Bioactive Natural Products via Novel Strategies	120,000	0	60,000		60,000
1767	GOV	UT at Austin Austin, TX	Control of Protein Folding Quality in the Bacterial Periplasm	0	180,000	75,000		105,000
1847	GOV	UT M D Anderson Cancer Center Houston, TX	Small Molecule Inhibitors of Epigenetic Effector Proteins	0	180,000	75,000		105,000
1768	GOV	University of Houston Houston, TX	Conjugated Benzobisoxazole Cruciforms as Fluorescent Sensors in Solution and Solid State	0	180,000	60,000		120,000
1848	GOV	UT at Austin Austin, TX	Plasmonic Transparent Conducting Oxide Nanocrystals Dopant Chemistry and Heterogeneity	0	180,000	75,000		105,000
1849	GOV	UT Southwestern Medical Center Dallas, TX	Development of a Fully Automated 3D Separation Platform for Deep Proteome Fractionation Application in Novel Drug Discovery Towards Detection of Low Abundance Targets of Small Molecules	0	180,000	75,000		105,000
1850	PC	Rice University Houston, TX	Terahertz Spectroscopic Investigation of the CO ₂ -CH ₄ Hydrate Replacement Reaction	0	180,000	75,000		105,000
1791	PC	Rice University Houston, TX	Novel Phases and Ground States in Valence-Fluctuating Intermetallics	30,000	0	30,000		0
1436	GOV	UT at Austin Austin, TX	Nano-Structured Materials for Chemistry	0	225,000	93,750		131,250
1541	GOV	Texas A&M University System IISC College Station, TX	Structure of the Nuclear Pore Permeability Barrier by Super-Resolution Microscopy	0	180,000	75,000		105,000
1851	GOV	UT Southwestern Medical Center Dallas, TX	Structure and Function Relationship of microRNA Precursors	0	180,000	75,000		105,000
1636	PC	Rice University Houston, TX	Novel Single-Molecule Vibrational Spectroscopies	0	60,000	60,000		0
330	GOV	Texas A&M University College Station, TX	Nuclear Reaction Studies	131,250	0	75,000		56,250

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514	GOV	Texas A&M University College Station, TX	The Influence of Reduced Dimensionality, Disorder, and Interfaces on the Properties of Solids	0	75,000	75,000		0
1818	PC	Rice University Houston, TX	Magnetic Anisotropy and Ordering in Molecular and Solid-State Magnets First-Principles Calculations and Effective Spin Theory	90,000	0	45,000		45,000
1819	PC	Rice University Houston, TX	Synthesis of Biologically Active Molecules	90,000	0	45,000		45,000
1255	GOV	UT at Austin Austin, TX	Gap Opening by Symmetry Breaking in Graphene Systems	0	300,000	125,000		175,000
1222	PC	Rice University Houston, TX	Theoretical Investigations of Chemical Properties of Nanosystems	150,000	0	75,000		75,000
1852	GOV	UT Southwestern Medical Center Dallas, TX	Structure and Function of a Novel Bacterial Regulator	0	180,000	75,000		105,000
1405	GOV	Texas A&M University College Station, TX	Fundamental Imaging Studies of Chemical Reactivity	105,000	0	60,000		45,000
612	PC	Rice University Houston, TX	Chemical Mechanisms of Ligand Binding to Heme Proteins	0	300,000	125,000		175,000
1542	GOV	University of North Texas Denton, TX	Molecular Spectroscopy and Bonding of Coordination Compounds More Outstanding Issues and New Advances	0	225,000	75,000		150,000
1792	PC	Rice University Houston, TX	Expanding the Protein Folding Landscape Toward Biomolecular Machines	30,000	0	30,000		0
1561	GOV	UT Southwestern Medical Center Dallas, TX	Elucidate the Biochemical Mechanism used by <i>Vibrio</i> VupQ to Induce Autophagy	0	100,000	100,000		0
1717	GOV	Texas A&M University College Station, TX	Highly Unsaturated Cationic Group 10 Transition Metal Pincer Complexes	0	75,000	75,000		0
546	GOV	UT at El Paso El Paso, TX	Catenated Group 14 Complexes	0	75,000	75,000		0
1820	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Role of IRAK-1 in Regulating Caspase-1 Activation and Cleavage	105,000	0	60,000		45,000
1668	PC	Rice University Houston, TX	Physical Chemistry of Graphene Fluids	112,500	0	56,250		56,250
1257	GOV	UT Southwestern Medical Center Dallas, TX	Enzyme Catalyzed Hypusine Modification in the Protozoan's Pathogen <i>Trypanosoma brucei</i>	0	300,000	125,000		175,000
1523	GOV	Texas Tech University Lubbock, TX	New Methodologies for Accurate Quantum Calculations of the Dynamics of Atomic Nuclei	150,000	0	75,000		75,000
1821	GOV	UT Southwestern Medical Center Dallas, TX	Therapeutic Targeting of Melanoma Antigen (MAGE) Genes	105,000	0	60,000		45,000
1279	PC	Baylor College of Medicine Houston, TX	X-ray Crystallographic Studies on Viruses and Viral Proteins	0	75,000	75,000		0
1669	PC	Rice University Houston, TX	Exotic Molecules from Spin-Orbit Coupled Ultracold Atoms	112,500	0	56,250		56,250
581	PC	Baylor College of Medicine Houston, TX	Structure-Function Relationships in Proteins	0	75,000	75,000		0
1793	GOV	UT Southwestern Medical Center Dallas, TX	Fluorescent Sensors for Measuring Cholesterol in Live Cells	45,000	0	45,000		0
1258	GOV	UT at Austin Austin, TX	Study of Molecular Fluids and Macroscopic Quantum Phenomena with Optical Tweezers	0	225,000	93,750		131,250
1366	GOV	UT Southwestern Medical Center Dallas, TX	Structural Principles of Protein Robustness and Evolvability	0	100,000	100,000		0
1747	GOV	UT HSC at San Antonio San Antonio, TX	The Last Leg of p53's Journey to Death Chamber	131,250	0	75,000		56,250
840	GOV	Texas A&M University College Station, TX	Enzyme Reaction Mechanisms	0	225,000	93,750		131,250
1612	GOV	UT Southwestern Medical Center Dallas, TX	Catalytic Synthesis and Application of Substituted Ynol Ethers	0	225,000	93,750		131,250
1051	GOV	UT at Austin Austin, TX	Relaxation Processes in Small Molecules and Quantum Coherent Systems	150,000	0	100,000		50,000

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1691	GOV	UT at Austin Austin, TX	Multiscale Modeling of RNA 3D Structure	0	180,000	75,000		105,000
1093	GOV	University of North Texas Denton, TX	Synthesis and Reactivity Studies of Polynuclear Clusters	0	225,000	75,000		150,000
1794	GOV	University of Houston Houston, TX	Physicochemical Factors Governing Protein Inhibition of Calcium Oxalate Monohydrate Crystallization	60,000	0	60,000		0
1304	GOV	UT Southwestern Medical Center Dallas, TX	NMR Methods to Study Membrane Proteins in Lipid Bilayers	131,250	0	75,000		56,250
1225	GOV	UT at Austin Austin, TX	Mechanism of Folate-Dependent Methylation	112,500	0	75,000		37,500
1853	GOV	Texas A&M University College Station, TX	The Origin of Chemical Elements in the Universe	0	180,000	75,000		105,000
1280	GOV	Texas A&M University College Station, TX	Novel Strategies for Bioactive Natural Product Synthesis via b-Lactone Intermediates and New Methodology for Asymmetric Alkylations	0	100,000	100,000		0
1822	GOV	UT at Austin Austin, TX	Ligation of Heavy Atom Donors to First Row Transition Metals	90,000	0	45,000		45,000
1544	GOV	UT Southwestern Medical Center Dallas, TX	Phase Transitions in Multivalent Macromolecular Assembly	0	300,000	125,000		175,000
1770	GOV	UT Southwestern Medical Center Dallas, TX	Stabilization of Active and Inactive Conformations of Oxytocin Receptors for Crystallization	0	180,000	75,000		105,000
1526	GOV	Texas A&M University College Station, TX	Magnetism and Anharmonic Lattice Vibrations in Clathrates and Related Materials	105,000	0	60,000		45,000
1563	GOV	UT at Austin Austin, TX	Investigation of RNA Misfolding during Transcription	0	60,000	60,000		0
1823	GOV	UT Southwestern Medical Center Dallas, TX	Conformational Dynamics and Regulation of Dynam	105,000	0	60,000		45,000
1281	GOV	Texas A&M University System HSC College Station, TX	Forces Involved in Protein Folding and Stability	0	60,000	60,000		0
1546	GOV	Texas A&M University College Station, TX	Optical Studies of Ultra Cold Molecular Ions Using Femtosecond and XUV Laser Radiation	0	225,000	93,750		131,250
1261	GOV	Texas A&M University College Station, TX	Studies in Laser and Quantum Chemistry	0	300,000	125,000		175,000
1824	PC	Rice University Houston, TX	Physicochemical Properties of Nanoparticles at the Interface with Biological Systems	90,000	0	45,000		45,000
764	GOV	UT HSC at San Antonio San Antonio, TX	Structural Chemistry of Viruses	0	180,000	75,000		105,000
1018	GOV	UT at Austin Austin, TX	Molecular Recognition via Base-Pairing	0	75,000	75,000		0
1795	GOV	Texas A&M University College Station, TX	Biochemical and Regulatory Constraints of Immune Sensors	45,000	0	45,000		0
1854	PC	Baylor University Houston, TX	Asparagine Deamidation in Motor Neurons A Molecular Clock or a Trekking Time Bomb?	0	180,000	75,000		105,000
1331	GOV	UT at Austin Austin, TX	Creating 3D Cell Cultures Using Multiphoton Photofabrication with Dynamic Electronic Masks	0	180,000	75,000		105,000
584	GOV	UT at Dallas Richardson, TX	Lanthanide-Based CEST Agents for Molecular Imaging	0	225,000	75,000		150,000
1719	GOV	UT M D Anderson Cancer Center Houston, TX	Molecular Mechanisms of JARID1B PHD Fingers in Recognition of Histone Methylation	0	75,000	75,000		0
1672	GOV	UT at Austin Austin, TX	Quantum Control of Light-Matter Interactions in Metallic Quantum Structures	112,500	0	75,000		37,500
1411	PC	Rice University Houston, TX	Theoretical Studies of Electronic Dynamics and Correlations in Carbon-Based and Related Nanostructures	150,000	0	75,000		75,000
1855	GOV	UT Southwestern Medical Center Dallas, TX	Smart, Linear-Dendritic Block Copolymers to Increase siRNA Release in Response to pH	0	180,000	75,000		105,000
1547	GOV	Texas A&M University College Station, TX	Applications of Molecular Coherence in Ultrafast Optics	0	300,000	125,000		175,000

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1639	GOV	Texas A&M University College Station, TX	Dark Exciton in the Energy Transfer Process of Semiconductor Nanocrystals	0	60,000	60,000		0
1673	PC	Baylor College of Medicine Houston, TX	Novel Activity of the Telomere Regulator TIN2 in the Mitochondria	105,000	0	60,000		45,000
1283	GOV	UT at Austin Austin, TX	Studies in Quantum Chemistry	0	100,000	100,000		0
1740	GOV	UT at Dallas Richardson, TX	Polythiophene Block Copolymers A Systematic Investigation of Morphology-Optoelectronic Properties Dependence	120,000	0	60,000		60,000
1529	GOV	UT at Austin Austin, TX	Synthesis of Mesoporous Carbon and Metal Oxide Architectures	112,500	0	75,000		37,500
1796	GOV	Texas A&M University College Station, TX	Identification of Antibiotic Resistance and Modifying Enzymes from Bacterial Competitive Interactions	45,000	0	45,000		0
1070	GOV	University of Houston Houston, TX	A Real Space Approach to the Macromolecular Phase Problem	0	180,000	60,000		120,000
1856	PC	Rice University Houston, TX	Characterizing the Ligand Binding Properties of Bacterial Sensor Histidine Kinases from the Human Gut	0	180,000	75,000		105,000
1748	GOV	UT Southwestern Medical Center Dallas, TX	Stereoselective Allylic Functionalization of Olefins	105,000	0	60,000		45,000
1565	PC	Rice University Houston, TX	Catalytic Mechanism of Astrovirus RNA Replication	0	75,000	75,000		0
1749	GOV	UT Southwestern Medical Center Dallas, TX	Chemistry and Enzymology of MICAL Family Oxidoreductases	131,250	0	75,000		56,250
1825	PC	Rice University Houston, TX	Advanced Femtosecond Optical <i>in situ</i> Probes for Photocatalysis	90,000	0	45,000		45,000
621	GOV	University of Houston Houston, TX	The Design and Synthesis of Azaromatic Ligands and the Study of their Metal Complexes	0	225,000	75,000		150,000
1146	GOV	University of Houston Houston, TX	Study of Superconductivity and Related Subjects in Strongly Correlated Electron Systems	0	100,000	100,000		0
586	PC	Rice University Houston, TX	Application of Mid-Infrared Quantum Cascade and Diode Lasers to High-Precision Atmospheric Trace Gas Monitoring	0	75,000	75,000		0
1772	GOV	UT at San Antonio San Antonio, TX	Coordination Chemistry of Hydrogen Sulfide Relevant to Biology	0	180,000	60,000		120,000
1696	GOV	UT at Austin Austin, TX	Liquids Near Interfaces Single-Molecule and Collective Dynamics	0	225,000	93,750		131,250
1530	PC	Baylor College of Medicine Houston, TX	Structural and Mechanistic Studies of ATP-Driven Protein Machines	131,250	0	75,000		56,250
1797	GOV	UT Southwestern Medical Center Dallas, TX	Selective Regulation of Autophagy by Metabolic State	45,000	0	45,000		0
1640	PC	Trinity University San Antonio, TX	Protein Recognition and Labeling via Supramolecular Protease Inhibition	131,250	0	75,000		56,250
1720	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Mechanism of the Glucose Sensing and Regulation of ChREBP Activity	0	60,000	60,000		0
1751	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Characterization of PAFAH Regulation by Macrophage VLDLR	131,250	0	75,000		56,250
1721	GOV	University of Houston Houston, TX	Plasmon Assisted Photomedicines for Cancer Therapies	0	60,000	60,000		0
1827	GOV	UT Southwestern Medical Center Dallas, TX	Chemical Mechanisms of Coordinated Epigenetic Regulations in Cells	105,000	0	60,000		45,000
1798	PC	Baylor College of Medicine Houston, TX	The Kinetics and Conformational Changes During Peptidyl Transferase Reaction in Single Ribosome	45,000	0	45,000		0
1826	PC	Baylor College of Medicine Houston, TX	Biochemical Identification of Proteases Involved in Necrotic Cell Death	105,000	0	60,000		45,000
1828	GOV	Texas A&M University College Station, TX	<i>Streptomyces sulachirum</i> A Rich Treasure Trove of Unique Biosynthetic Reactions	105,000	0	60,000		45,000
1722	GOV	UT at Austin Austin, TX	The Physical Chemistry of Biological Interfaces	0	60,000	60,000		0

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807	PC	Rice University Houston, TX	Photostudies of Carbon Nanostructures	0	100,000	100,000		0
1829	GOV	UT Southwestern Medical Center Dallas, TX	Characterization of Covalent K-Ras Inhibitors	105,000	0	60,000		45,000
1775	GOV	Texas A&M University College Station, TX	Non-Covalent p-Stacking Interactions in Organocatalysis	0	180,000	75,000		105,000
1857	GOV	UT at San Antonio San Antonio, TX	Clusters as Molecular Surfaces Selected Noble-Metal Thiolates. ($\Lambda_{35} 145 \times 1040$)	0	180,000	60,000		120,000
1414	GOV	UT Southwestern Medical Center Dallas, TX	Analysis of the Functional Significance of Complex Protein/Protein Interactions	175,000	0	100,000		75,000
1334	GOV	UT at Austin Austin, TX	Structure Function Relationships in Enzymes	0	225,000	93,750		131,250
976	PC	Rice University Houston, TX	The Chemistry of Nanomolecules	112,500	0	56,250		56,250
1699	GOV	UT at Austin Austin, TX	Characterizing Site-Specific Ligand Binding on Metal Nanoparticle Conjugates by High Resolution Far-Field Optical Microscopy	0	225,000	93,750		131,250
1830	GOV	UT at Austin Austin, TX	Programmed Self-Assembly of Nanostructures	90,000	0	45,000		45,000
627	PC	Rice University Houston, TX	Carbon Nanoparticles as MRI Contrast Agent Platforms	0	225,000	93,750		131,250
1858	GOV	UT Southwestern Medical Center Dallas, TX	Metabolism of Salmonella Typhimurium in the Inflamed Gut	0	180,000	75,000		105,000
1644	GOV	UT Southwestern Medical Center Dallas, TX	On the Evolution of Drug-Resistant Lung Cancer Subpopulations	0	75,000	75,000		0
1859	GOV	UT at Austin Austin, TX	Regulation of Gene Expression Through Chemical Modification of MicroRNAs	0	180,000	75,000		105,000
1615	GOV	UT at San Antonio San Antonio, TX	Controlling the Shape and Particles Using Wet Chemistry Methods The Case of Bimetallic Nanoparticles	0	180,000	60,000		120,000
1590	PC	Rice University Houston, TX	Science of Nearly-1D Materials From Nanotubes to Nanowires	112,500	0	56,250		56,250
1831	GOV	UT Southwestern Medical Center Dallas, TX	Tail-Anchor of a Critical Innate Immunity Regulator TREX1 on the ER	105,000	0	60,000		45,000
1860	GOV	University of Houston Houston, TX	Development of New Reagents for Selective Enolization of Carbonyl Compounds	0	180,000	60,000		120,000
1799	GOV	UT Southwestern Medical Center Dallas, TX	The Structural Basis of Parasite Recognition by TLR11 and TLR12 Receptors	45,000	0	45,000		0
1832	GOV	UT Southwestern Medical Center Dallas, TX	Saturated Fatty Acid-Induced Lipotoxicity	105,000	0	60,000		45,000
770	GOV	Texas A&M University College Station, TX	Developments and Studies using Several Complex Scaled Multiconfigurational Methods for Electron Atom/Molecule Resonances	0	60,000	60,000		0
1833	GOV	UT at Austin Austin, TX	NanoCluster Beacons for Highly Specific DNA Methylation Detection	90,000	0	45,000		45,000
1266	GOV	Texas A&M University College Station, TX	The Equation of State for a Two-Component Nuclear System	0	225,000	93,750		131,250
1616	GOV	University of Houston Houston, TX	Structural Studies of Novel Surface Polypeptides	0	225,000	75,000		150,000
1861	GOV	UT at Austin Austin, TX	Atomic Structure and Mechanism of the g-Secretase Complex	0	180,000	75,000		105,000
1441	GOV	UT Southwestern Medical Center Dallas, TX	Probing the Charge Storage Mechanisms of Molecularly-Assembled Two-Dimensional Nanochalcogenides	0	300,000	125,000		175,000
1800	GOV	UT Southwestern Medical Center Dallas, TX	Large-Scale Isolation and Identification of Poly-ADP-Ribosylated Proteins	45,000	0	45,000		0
1617	GOV	UT at Dallas Richardson, TX	Photochemical Reactions in Dye Sensitized Solar Cell with Biscrolled Graphene Quantum Dot Electrodes	0	225,000	75,000		150,000
1417	GOV	Texas A&M University College Station, TX	Chemical Sensors to Determine Proline Isomeric Specificity of RNA Polymerase II	131,250	0	75,000		56,250

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1863	GOV	Texas A&M University College Station, TX	Small Molecule Modulators of Angptl Receptor for Stem Cell Expansion and Leukemia Treatment	0	180,000	75,000		105,000
1862	PC	Rice University Houston, TX	Biochemical Regulation of the Orphan Nuclear Receptor TLX	0	180,000	75,000		105,000
1778	GOV	UT at Austin Austin, TX	The Structural Basis of Ribosomal Silencing in Tuberculosis	0	180,000	75,000		105,000
1702	GOV	UT Southwestern Medical Center Dallas, TX	Chemical Kinetics and Mechanism of Hydrocarbon Oxidation Reactions	0	180,000	75,000		105,000
1724	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical Basis of <i>Arachidonyl</i> Argonauc 10 as a Decoy for microRNAs	0	60,000	60,000		0
1834	GOV	UT Southwestern Medical Center Dallas, TX	Autoinhibition of Plexin by a New Conformation-Mediated Dimer	105,000	0	60,000		45,000
1593	GOV	UT at San Antonio San Antonio, TX	Expedient Modification of Organocatalyst Structures for Improved Stereoselectivities	150,000	0	75,000		75,000
1801	GOV	Texas A&M University College Station, TX	Optical Detection of Ultrafast Electron Dynamics and Electron-Initiated Chemical Processes	45,000	0	45,000		0
1752	PC	Rice University Houston, TX	Multiple-Dimensional Optical Spectroscopy	112,500	0	56,250		56,250
1864	GOV	UT Southwestern Medical Center Dallas, TX	Regulation of the Class III PI3K by Nutrient-Sensing Kinases in Autophagy	0	180,000	75,000		105,000
1725	GOV	Texas A&M University College Station, TX	Efficient Carbon Capture with Functionalized Porous Polymer Networks (PPNs)	0	75,000	75,000		0
1678	GOV	Texas A&M University College Station, TX	Quantum Coherent Synthesis and Decomposition	0	0	0		0
1151	GOV	UT at Austin Austin, TX	High-Throughput Screening (HTS) of Enantiomeric Excess Values	90,000	0	0	60,000	30,000
1531	GOV	University of Houston Houston, TX	Structure and Orientation of Room-Temperature Ionic Liquids at the Electrified Graphene Interface	0	0	0		0
1754	GOV	UT Southwestern Medical Center Dallas, TX	Novel Amyloid-Binding Peptoid Ligands as Alzheimer's Therapeutic	0	0	0		0
1239	GOV	Texas Tech University Lubbock, TX	Studies of Pseudocyclic and Pencyclic Reactions	0	0	0		0
1755	PC	Rice University Houston, TX	Controlling Nanoparticle Assembly via Steric Forces	0	0	0		0
1622	GOV	UT Southwestern Medical Center Dallas, TX	Design and Synthesis of Tumor Targeted Drug Delivery Systems for Lung Cancer Therapy	0	60,000	15,000		45,000
1596	GOV	UT Southwestern Medical Center Dallas, TX	Molecular Mechanisms of Action of Clock-Modulating Small Molecules	0	0	0		0
1571	GOV	University of Houston Houston, TX	New Methods for Carbon-Hydrogen Bond Functionalization	200,000	0	100,000	100,000	0
1598	PC	Rice University Houston, TX	Preparation and Characterization of Gold Nanoparticles (AuNPs) Using CO Reduction	0	0	0		0
1424	GOV	UT Southwestern Medical Center Dallas, TX	Comparative Studies of the Signaling Mechanisms of Flavin-Based Protein Photosensors	0	0	0		0
1758	GOV	Texas A&M University College Station, TX	What Makes an Enzyme Promiscuous? Structure-Function Relationships of α -Succinylbenzoate Synthase/N-Succinylamino Acid Racemase Enzymes	0	0	0		0
1760	PC	Texas Christian University Fort Worth, TX	Probing Surface Interactions of Ferrocene Peptide Conjugates and Interfacial Responses with Biomolecules	0	0	0		0
1762	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical and Structural Studies of a Novel Reunoid Binding Protein Family	0	0	0		0
1605	PC	Rice University Houston, TX	Investigating the Nanoscale Surface Chemistry of Graphene	0	0	0		0
1813	GOV	UT HSC at San Antonio San Antonio, TX	Structure of an Epigenetic Regulatory Complex	105,000	0	0	60,000	45,000
1688	GOV	Texas A&M University College Station, TX	Chemical Dynamics of Cold/Ultracold Molecules and Atomic Hydrogen	0	0	0		0

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1191	GOV	UT at Austin Austin, TX	Synthesis, Magnetochemistry, and Superconductivity of Metals and Oxides	0	0	0		0
576	PC	Rice University Houston, TX	Genetic Regulatory Proteins Structure-Function Relationships	0	0	0		0
794	PC	Trinity University San Antonio, TX	Novel Approaches to the Synthesis of Antiaromatic Dications and Dianions	0	0	0		0
1769	GOV	Texas A&M University College Station, TX	Determination of the Mechanisms by Which Lysine Peptides Disrupt Lipid Bilayers	0	0	0		0
1525	GOV	UT at Arlington Arlington, TX	A Density Functional Study of the Surface Electronic Behavior of Actinide Metals	150,000	0	0	150,000	0
1771	GOV	UT Medical Branch at Galveston Galveston, TX	Kinetics and Equilibria of the SNARE Complex Assembly	0	0	0		0
1694	GOV	UT at Austin Austin, TX	Syntheses of Regenerative Natural Products	0	225,000	18,750	150,000	56,250
1614	PC	Rice University Houston, TX	Regulation of Hsp70 Catalytic Activity by the Zinc-Finger Protein DNIL2/HEP	0	0	0		0
1773	GOV	UT HSC at Houston Houston, TX	Exosome Activation by the ATPase and Poly(A) Polymerase Activity of the TRAMP Complex	0	0	0		0
1774	GOV	University of Houston Houston, TX	Engineering Chymotrypsin to Selectively Cleave after Phosphotyrosine	0	0	0		0
1264	GOV	University of Houston Houston, TX	Physical Chemistry of Biomolecular Recognition	0	0	0		0
362	GOV	UT at Austin Austin, TX	Computational Investigation of Electron Dynamics in Light-Matter Interactions	0	0	0		0
1700	GOV	Texas A&M University College Station, TX	Ultrafast Structural Dynamics of Molecular Assemblies at Interfaces	0	0	0		0
1776	GOV	UT Southwestern Medical Center Dallas, TX	Biochemical and Structural Analysis of Sister-Chromatid Cohesion	0	0	0		0
1777	GOV	Texas A&M University College Station, TX	Native Characterization of DNA and RNA Structure Thermodynamics	0	0	0		0
0001	GOV	Midwestern State Univ Wichita Falls, TX	Chemistry Department Grant	0	60,000	30,000		30,000
0002	GOV	Prairie View A&M Univ Prairie View, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0003	PC	Texas Wesleyan Univ Fort Worth, TX	Chemistry Department Grant	0	60,000	30,000		30,000
0004	GOV	Lamar Univ Beaumont, TX	Chemistry Department Grant	40,000	0	40,000		0
0005	PC	Southwestern Univ Georgetown, TX	Chemistry Department Grant	40,000	0	40,000		0
0006	GOV	Texas A&M Univ -Kingsville Kingsville, TX	Chemistry Department Grant	30,000	0	30,000		0
0007	PC	Austin College Sherman, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0008	GOV	Stephen F Austin State Univ Nacogdoches, TX	Chemistry Department Grant	40,000	40,000	40,000		40,000
0011	GOV	Sam Houston State Univ Huntsville, TX	Chemistry Department Grant	40,000	0	40,000		0
0012	GOV	Tarleton State Univ Stephenville, TX	Chemistry Department Grant	0	60,000	30,000		30,000
0013	GOV	UT of the Permian Basin Odessa, TX	Chemistry Department Grant	0	50,000	25,000		25,000
0014	GOV	Texas A&M Univ -Commerce Commerce, TX	Chemistry Department Grant	25,000	0	25,000		0

#	Code	Grantee	Description	Balance 8.31.2013	Total Approved	Total Paid	Cancel	Balance 8.31.2014
0015	PC	Univ Of Dallas Irving, TX	Chemistry Department Grant	30,000	0	30,000		0
0016	PC	Houston Baptist Univ Houston, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0017	GOV	UT-Pan American Edinburg, TX	Chemistry Department Grant	40,000	40,000	40,000		40,000
0018	PC	St Edward's Univ Austin, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0019	PC	Texas Lutheran Univ. Seguin, TX	Chemistry Department Grant	25,000	25,000	25,000		25,000
0020	GOV	Texas Woman's Univ Denton, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0021	PC	Ablene Christian Univ Ablene, TX	Chemistry Department Grant	0	80,000	40,000		40,000
0022	GOV	Univ of Houston-Clear Lake Houston, TX	Chemistry Department Grant	0	70,000	35,000		35,000
0024	PC	Univ. of St. Thomas Houston, TX	Chemistry Department Grant	35,000	0	35,000		0
0025	GOV	West Texas A&M Univ Canyon, TX	Chemistry Department Grant	25,000	0	25,000		0
0027	GOV	Univ of Houston-Downtown Houston, TX	Chemistry Department Grant	35,000	0	35,000		0
0028	PC	LeTourneau Univ Longview, TX	Chemistry Department Grant	25,000	25,000	25,000		25,000
0029	GOV	Angelo State Univ San Angelo, TX	Chemistry Department Grant	0	60,000	30,000		30,000
0030	PC	Jarvis Christian College Hawkins, TX	Chemistry Department Grant	0	40,000	20,000		20,000
0031	PC	Trinity Univ San Antonio, TX	Chemistry Department Grant	40,000	0	40,000		0
0032	PC	Univ of the Incarnate Word San Antonio, TX	Chemistry Department Grant	35,000	0	35,000		0
0033	PC	Univ of Mary Hardin-Baylor Belton, TX	Chemistry Department Grant	25,000	0	25,000		0
0034	PC	Schreiner University Kerrville, TX	Chemistry Department Grant	25,000	25,000	25,000		25,000
0035	PC	Hardin-Simmons Ablene, TX	Chemistry Department Grant	0	40,000	20,000		20,000
0036	PC	McMurry University Ablene, TX	Chemistry Department Grant	0	50,000	25,000		25,000
0037	GOV	UT at Tyler Tyler, TX	Chemistry Department Grant	0	70,000	35,000		35,000
0038	GOV	UT at Brownsville Brownsville, TX	Chemistry Department Grant	25,000	0	25,000		0
0039	PC	Wiley College Marshall, TX	Chemistry Department Grant	10,000	0	0	10,000	0
0040	GOV	TAMU International Univ Laredo, TX	Chemistry Department Grant	0	25,000	25,000		0
0041	GOV	TAMU Univ -Corpus Christi Corpus Christi, TX	Chemistry Department Grant	35,000	35,000	35,000		35,000
0042	PC	Our Lady of the Lake University San Antonio, TX	Chemistry Department Grant	15,000	15,000	15,000		15,000
0043	PC	Lubbock Christian Univ Lubbock, TX	Chemistry Department Grant	0	40,000	20,000		20,000
0044	PC	Wayland Baptist Univ Plainview, TX	Chemistry Department Grant	0	50,000	25,000		25,000

#	Code	Grantee	Description	Balance 8/31/2013	Total Approved	Total Paid	Cancel	Balance 8/31/2014
0045	GOV	Texas State University San Marcos, TX	Chemistry Department Grant	35,000	0	35,000		0
0046	GOV	TAMU-Galveston Galveston, TX	Chemistry Department Grant	0	35,000	35,000		0
0047	PC	St Mary's University San Antonio, TX	Chemistry Department Grant	0	60,000	30,000		30,000
						0		0
0052	I	Conference	The Welch Foundation Conference on Chemical Research	0	351,877	351,877		0
0036	I	Hackerman Award	Norman Hackerman Award in Chemical Research	0	243,077	243,077		0
0327	I	Welch Award	The Welch Foundation Award in Chemistry	0	749,380	749,380		0
127	SO III FI	Texas Interscholastic League Foundation	Undergraduate Scholarships	754,250		197,750	75,250	481,250
								0
0001	GOV	UT at Austin Austin, TX	Welch Summer Scholar Program	0	381,000	120,000		261,000
0029	PC	Rice University Houston, TX	Texas Academy of Science, Engineering and Medicine	0	25,000	25,000		0
0041	GOV	University of Houston Houston, TX	Center for Excellence in Polymer Chemistry	0	4,000,000	2,660,000		1,340,000
Total				16,694,250	35,590,334	29,117,084	605,250.00	22,562,250
Approved and paid current year				19,311,521				
Approved for future payment				16,278,813				

THE WELCH FOUNDATION NORMAN HACKERMAN AWARD IN CHEMICAL RESEARCH

PURPOSE OF THE AWARD

The Welch Foundation's Norman Hackerman Award in Chemical Research was established to recognize the accomplishments of chemical scientists in Texas who are in their early careers and to serve as an encouragement to those who are embarking on careers dedicated to increasing our fundamental understanding of chemistry. The award is intended for the personal benefit of the recipient, and carries no requirement for future services as a condition of receiving it.

NOMINATIONS

The award will be made on an annual basis, when warranted, to a scientist conducting chemical research in Texas. On June 30 for the year in which nominated, a candidate for the award must be within 10 years of his or her initial appointment as an assistant professor or equivalent. For example, for the 2014 award, the initial appointment of the candidate as an assistant professor or equivalent must have begun no earlier than July 1, 2004.

Nominations will be solicited from selected organizations and individuals. Nominations received from other organizations and individuals in and outside of Texas will also be considered, but self-nominations are not allowed. To be eligible, a nominee must have spent the most recent three (3) years ending June 30, 2015 doing chemical research in Texas. Directors and Officers of the Foundation and members of the Scientific Advisory Board of the Foundation are not eligible to receive the award.

The nomination must include (a) a brief statement of the basis for the nomination, (b) a complete curriculum vitae including the nominee's date of birth, the date of initial appointment as an assistant professor or equivalent, and the year the nominee began doing chemical research in Texas, (c) a complete publication listing including a copy of 3-5 of the nominee's most important research publications, and (d) three (3) supporting letters from individuals in the nominee's field. The supporting letters should be mailed independently and directly to the Foundation.

Nominations and supporting letters should be sent to: The Welch Foundation, 5555 San Felipe, Suite 1900, Houston, TX 77056-2730. Questions can be sent to info@welch1.org.

AWARD PROCEDURE

The Scientific Advisory Board of the Foundation will review all complete nominations that are received in the Foundation office by September 15. If September 15 falls on a Saturday or Sunday, the nomination must be received on the preceding Friday.

The Scientific Advisory Board will evaluate all of the nominations on their merit, consider whether or not any nominee or nominees are worthy of the award, and will recommend to the Board of Directors not more than three (3) nominees they determine are qualified to receive the award. The Board of Directors will select the awardee. All recommendations and selections will be made on an objective and nondiscriminatory basis using criteria reasonably related to the purposes of the award.

The award will normally be presented at a function on the campus of the awardee's institution. The current monetary amount of the award is \$100,000.

THE WELCH FOUNDATION THE ROBERT A. WELCH AWARD IN CHEMISTRY

PURPOSE OF THE AWARD

The purpose of The Robert A. Welch Award in Chemistry is to foster and encourage basic chemical research and to recognize, in a substantial manner, the value of chemical research contributions for the benefit of mankind as set forth in the will of Robert Alonzo Welch. The Founder was interested in chemistry, and in its service to both the betterment and the understanding of human life. It is also believed this award will play an important role in aiding and strengthening the other programs of the Foundation.

In accordance with these principles, any person can be considered for the award who has made important chemical research contributions which have a significant, positive influence on mankind. The award is intended to recognize contributions that have not previously been rewarded in a similar manner.

NOMINATIONS

Nominations will be solicited from selected organizations and individuals. Nominations received from other organizations and individuals will be considered, though no person may nominate oneself. Directors and officers of the Foundation and members of the Scientific Advisory Board of the Foundation may not make nominations nor are they eligible to receive the award.

All nominations must include (a) a statement of the research areas in chemistry on which the nomination is based, (b) a brief biographical sketch of the proposed nominee, (c) a list of 25 of the nominee's most important scientific publications, and (d) not more than three seconding nomination letters.

Nominations and supporting letters should be sent to: The Welch Foundation, 5555 San Felipe, Suite 1900, Houston, TX 77056-2730. Questions can be sent to info@welch1.org.

AWARD PROCEDURE

The Scientific Advisory Board of the Foundation will review all nominations that are received in the Foundation office by the last business day of January each year and that meet the nomination conditions stated above.

The Scientific Advisory Board will consider all of the official nominations on their merit, consider whether or not any nominee or nominees are worthy of the award, and will recommend to the Board of Directors not more than three nominees they determine are qualified to receive the award. The Board of Directors will select the awardee.

The Robert A. Welch Award in Chemistry shall be awarded, when justified. The presentation of the award shall be at a dinner held to honor the recipient. The awardee will be required to be present. The monetary amount of the award is \$300,000.

THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT GUIDELINES
EFFECTIVE JUNE 1, 2014

PURPOSE

The purpose of the grant is to support chemical research by members of the chemistry faculty, and to provide an opportunity for students to study chemistry in a less structured way.

GRANT APPLICATIONS

Applications are restricted to colleges and universities that offer undergraduate degree programs in chemistry or biochemistry and are located within the state of Texas. The Foundation will respond to all grant applications. Awards will require formal acceptance by the grantee institution of the Foundation's award letter and all terms and conditions stated in these Departmental Research Grant Guidelines.

The application should include one original of the following information on 8 1/2" x 11" paper (single-sided preferred):

1. Cover page (Foundation Proposal form).
2. Biographical sketches for each department faculty member, limited to one page per person.
3. Additional information. The proposal must conform to the following requirements: (a) the font size must be 11 points or larger, (b) line spacing must be at least 1.5-spaced but no more than five (5) lines of text per vertical inch, and (c) margins must be at least an inch in all directions. This section should be no more than five pages including any exhibits. References are not included in the five-page limitation. Departments are advised that readability is of paramount importance and not being in compliance with these guidelines may be grounds to return the proposal without review.
4. Budget (Foundation form). The initial grant amount should be the amount per year as indicated in the invitation letter.

EXPENDITURES

Funds may be utilized for direct expenditures in accordance with the following:

1. STIPENDS, FELLOWSHIPS, AND SCHOLARSHIPS

- a. Faculty summer research stipend, amount per month shall not exceed the monthly academic salary rate. The total of the faculty summer research stipends and fringe benefits combined must not exceed 20% of the annual grant amount per year.
- b. Undergraduate scholarship appointments must cover a meaningful period such as an academic year, semester, or summer session.
- c. Graduate fellowship appointments must cover a meaningful period that is not less than three consecutive months.

2. FRINGE BENEFITS

Amounts may be paid for individuals receiving stipends, fellowships, or scholarships.

3. PERMANENT SCIENTIFIC EQUIPMENT

Items with at least one year useful life expectancy and costing a minimum of \$5,000.

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE

The grantee institution must maintain a record of actual expenditures, by category, for inclusion in the financial statement.

5. PUBLICATION EXPENSES

Expenses for publishing the results of research accomplished under the grant.

6. TRAVEL

Travel expenses, including registration fees, by faculty members and the fellowship or scholarship recipients under the grant. Total expenditures may not exceed \$1,500 per grant year.

Grant funds for direct expenditures may be utilized for any proper purpose beneficial to the research and not specifically excluded by the Foundation. Any expenditures made outside of these guidelines may result in a request for refund. The following are excluded as direct expenditures:

1. General office supplies, equipment, or expenses.
2. Building construction, alteration, renovation, rent, or utilities.
3. Personnel expenses other than stipends, fellowships, and scholarships as detailed above.
4. Consultant fees and/or related expenditures.
5. Student tuition or fees.
6. Membership Dues.
7. Overhead.

CONTROL OF RESEARCH

The conduct and supervision of all research performed under a Foundation grant shall be within the exclusive control of the grantee institution. In accepting a grant, the grantee institution agrees to assume the entire responsibility for the research, for taking any necessary precautions for protection of persons and property, for the proper operation and maintenance of all equipment in research activities and for the safe disposal of any hazardous waste materials.

GRANT PAYMENTS

Grant funds will normally be paid by the Foundation at the beginning of the grant year which is June 1st.

APPOINTMENTS

The purpose of undergraduate scholarships and graduate fellowships is education and training in chemistry through research. All scholarships and fellowships must have signed letters of appointment at the grantee institution. A recipient-signed appointment/acceptance letter must be retained on file at the grantee institution for examination when required.

There shall not be any employer-employee relationship between the Foundation and the faculty members or recipients of appointments under Foundation grants.

ATTRIBUTION RIGHTS

Any publication in scientific media shall include an acknowledgement referencing the Welch grant number and stating that the research was funded in part by a grant from The Welch Foundation. In addition, the background section of any patent application filed on an invention made with the assistance of a Welch Foundation grant shall include an acknowledgement referencing the Welch grant number and stating that the development of this invention was funded in part by The Welch Foundation.

YEAR-END REPORTS (must be received in the foundation office by the last business day of July of each year):

1. Progress Report (Foundation form) to include the following:
 - a. Grant objective for the current grant year.
 - b. Statement of the how the grant impacted the program during the current grant year.
 - c. All chemistry faculty. (Indicate those who participated on the grant during the current grant year)
 - d. Students who participated on the grant during the current grant year.
 - e. List the number of chemistry graduates over the past year.
 - f. Check the degrees offered at your institution.
 - g. List of publications in which faculty and/or students are the author or co-author.

Section 7A. – Published Articles. Articles reported in this section must have appeared in print and previously have not been reported to the Foundation in this section. One copy of each article must be enclosed.

Section 7B. – Accepted for Publication Articles. Articles reported in this section are those that have been accepted for publication but have not appeared in print at the time of this report. In parentheses, indicate the date the article was accepted. These articles should be reported in Section A in the report submitted in the grant year in which they appear in print. Copies of these articles should only be sent when they are listed in Section A.

Section 7C. – Submitted Articles. Articles reported in this section are those that have been submitted to a refereed journal and are being actively considered for publication. In parentheses, indicate the date the article was submitted.

Section 8. – Other published articles or patents. Articles reported in this section should include conference or symposium proceedings, books, or other invited articles with original material. Also include any patent applications filed on any inventions made with the assistance of The Welch Foundation. Articles listed in this section must have appeared in print, have acknowledged Welch Foundation support, and previously have not been reported to the Foundation.
 - h. Report on how the grant funds were used and what effect the funds may have had on the department or the students. This report including any exhibits or attachments should be no more than five pages.
2. Financial Statement (Foundation form) covering the most recent grant year (June 1 - May 31). All amounts should be reported on a cash basis. A financial statement which has an unexpended balance carry forward and/or a change in category of more than \$10,000 must be accompanied by a letter explaining the circumstances and the need.
3. Amended Budget Request (Foundation form) is required when an unexpended balance from a preceding year is carried forward to the following grant year. An unexpended balance carry forward and/or a change in category of more than \$10,000 must be accompanied by a letter from the grantee institution explaining the circumstances and the need.

TERMINATION OF GRANTS

A grant may be cancelled for cause if progress toward the objective of the grant is not being made satisfactorily or if the grantee institution is not in compliance with the terms and conditions of the award letter. Once the department or grantee institution is aware the grant will terminate, expenditures can no longer be made for permanent scientific equipment. In addition, any expenses for expendable scientific items must be for items that will be utilized during the remainder of the grant term.

The following shall be forwarded to the Foundation within 60 days after the termination of a grant for any reason:

1. Final Progress Report. (Foundation form)
2. Final Financial Statement. (Foundation form)

A refund of any unexpended balance will be requested after the Final Financial Statement has been approved.

DOCUMENTATION

As a condition of a grant, all documents in connection with a grant must be signed by persons authorized by the institution to sign such documents. In addition, all documents in connection with a grant may be signed in multiple counterparts and delivered by facsimile, email, U.S. mail, or otherwise, each of which signatures shall be deemed an original.

THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT PROGRAM
PROPOSAL ON BASIC CHEMICAL RESEARCH

Grantee Institution _____ Grant No. _____
Department Chair _____ Phone _____ Email _____

1. GRANT OBJECTIVE. (Additional information may be submitted on subsequent pages, but should be limited to five (5) pages or less.)

2. LIST ALL CHEMISTRY FACULTY IN THE DEPARTMENT. (Include a brief one-page bio of each faculty member. Also list any unfilled faculty positions in the department.)

<u>Name</u>	<u>Academic Rank</u>	<u>Discipline</u>
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3. ANTICIPATED STUDENT PARTICIPANTS.

(Space below is for Foundation use.)

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4. CHEMISTRY/BIOCHEMISTRY GRADUATES. List under the appropriate categories the number of undergraduate students who have graduated over the past three (3) years and have either gone on to postbaccalaureate work in chemistry, biochemistry, chemical engineering, medicine, or other allied sciences or who have gone into industry or other areas.

<u>Chemistry</u>	<u>Biochemistry</u>	<u>Chemical Engineering</u>	<u>Medicine</u>	<u>Other Allied Sciences</u>	<u>Industry</u>	<u>Other</u>	<u>Total</u>
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5. DEGREES OFFERED. The university offers an undergraduate degree in the following:

☐ Chemistry ☐ Biochemistry. (check all that apply)

6. CURRENT GRANTS TO THE DEPARTMENT OR TO THE DEPARTMENT FACULTY.

<u>SOURCE</u>	<u>TITLE</u>	<u>PERIOD</u>	<u>DIRECT COSTS PER YEAR</u>
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THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT PROGRAM
BUDGET

Taxpayer Id
76-0343128
Schedule 10

06/01/2014
thru
05/31/2015

1. STIPENDS, FELLOWSHIPS, AND SCHOLARSHIPS

a. Faculty summer research stipend. \$ _____
b. Graduate fellowships
 (1) _____
 (2) _____
c. Undergraduate scholarships
 (1) _____
 (2) _____
 (3) _____
 (4) _____
 (5) _____
 (6) _____
 TOTAL (Add items 1a thru 1c) _____

2. FRINGE BENEFITS

a. Faculty summer research stipend. _____
b. Graduate fellowships
 (1) _____
 (2) _____
c. Undergraduate scholarships
 (1) _____
 (2) _____
 (3) _____
 (4) _____
 (5) _____
 (6) _____
 TOTAL (Add items 2a thru 2c) _____

3. PERMANENT SCIENTIFIC EQUIPMENT

a. _____
b. _____
 TOTAL (Add items 3a and 3b) _____

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE. _____

5. PUBLICATION EXPENSES. _____

6. TRAVEL. _____

7. PROJECT TOTAL (Add items 1 thru 6) \$ _____

APPROVED BY:

_____ Grantee Institution	_____ Department Chair (Printed Name)	_____ Grant No.
_____ President or Authorized Representative	_____ Date	_____ Department Chair (Signature) _____ Date

THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM GUIDELINES
EFFECTIVE JUNE 1, 2014

PURPOSE

The purpose of the research grant program is to support fundamental chemical research at educational institutions within the state of Texas.

GRANT APPLICATIONS

Applications are restricted to universities, colleges, or other educational institutions located within the state of Texas. Research under a grant should be conducted under the leadership of a principal investigator who is a full-time regular faculty member with tenure or is on tenure track. Applications must be received in the foundation office by the last business day of January to be considered for the next grant year, June 1 - May 31. Only one proposal per year may be submitted by a principal investigator. In addition, any principal investigator with a Welch research grant is not normally eligible for any additional Welch funding during the grant period.

The Foundation will respond to all grant applications. Awards will require formal acceptance by the grantee institution of the Foundation's award letter and all terms and conditions stated in these Research Grant Program Guidelines.

The application should include one original on 8 1/2" x 11" single-sided paper. The proposal must conform to the following requirements: (a) the font size must be 11 points or larger, (b) line spacing must be at least 1.5-spaced but no more than five (5) lines of text per vertical inch, and (c) margins must be at least an inch in all directions. Foundation forms must not be modified from their original appearance. Principal investigators are advised that readability is of paramount importance and not being in compliance with these guidelines may be grounds to return the proposal without review. The following original items should be submitted to the Foundation address:

1. Cover page with scientific summary (Foundation form).
2. Description of the project. Cover the background and the approach of the research proposal of the principal investigator. This section should be no more than five pages including any exhibits. References are not included in the five-page limitation.
3. Principal investigator's biographical sketch, limited to two pages.
4. Bibliography of the principal investigator. List all of the papers published by the principal investigator in refereed journals within the last 24 months and selected papers published within the last five years most pertinent to the proposed project.
5. A letter from the grantee institution stating that the principal investigator is a full-time faculty member with tenure or is on tenure track.
6. Budget. The initial grant amount should be \$60,000 per year for three (3) years (Foundation form).

Funds may be utilized for direct expenditures in accordance with the following:

1. FELLOWSHIPS AND SCHOLARSHIPS

- a. Postdoctoral fellowship appointments should normally be for 12 months but not less than three consecutive months.
- b. Graduate fellowship appointments must cover a meaningful period that is not less than three consecutive months.
- c. Undergraduate scholarship appointments must cover a meaningful period such as an academic year, semester, or if during the summer, a minimum of two (2) consecutive months.

2. FRINGE BENEFITS

Amounts may be paid for individuals receiving fellowships or scholarships.

3. PERMANENT SCIENTIFIC EQUIPMENT

Items with at least one year useful life expectancy and costing a minimum of \$5,000.

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE

The grantee institution must maintain a record of actual expenditures, by category, for inclusion in the financial statement.

5. PUBLICATION EXPENSES

Expenses for publishing the results of research accomplished with the grant.

6. TRAVEL

Foreign or domestic travel expenses, including registration fees, by the principal investigator and current fellowship or scholarship recipients under the grant. Travel must be relevant to the research. Total expenditures may not exceed \$1,500 per grant year.

Grant funds for direct expenditures may be utilized for any proper purpose beneficial to the research and not specifically excluded by the Foundation. Any expenditures made outside of these guidelines may result in a request for refund. The following are excluded as direct expenditures:

1. General office supplies, equipment, or expenses.
2. Building construction, alteration, renovation, rent, or utilities.
3. Personnel expenses other than fellowships and scholarships as detailed above.
4. Consultant fees and/or related expenditures.
5. Student tuition or fees.
6. Membership dues.
7. Overhead.

CONTROL OF RESEARCH

The conduct and supervision of all research performed under a Foundation grant shall be within the exclusive control of the grantee institution. In accepting a grant, the grantee institution agrees to assume the entire responsibility for the research, for taking any necessary precautions for protection of persons and property, for the proper operation and maintenance of all equipment in research activities, and for the safe disposal of any hazardous waste materials.

GRANT PAYMENTS

Grant funds normally will be paid by the Foundation on a quarterly basis. Equal payments will be made on the first day of June, September, December, and March.

APPOINTMENTS

The purpose of postdoctoral and graduate fellowships and undergraduate scholarships is education and training in chemistry through research. All postdoctoral and graduate fellowships and undergraduate scholarships must have signed letters of appointment at the grantee institution. A recipient-signed appointment/acceptance letter must be retained on file at the grantee institution for examination when required. Joint appointments may be made with other external funding but at least 50 percent of the individual's external support must be from the Welch grant. Postdoctoral fellows may receive funding for a total of five years in a postdoctoral or equivalent position. This may be five consecutive years or a cumulative sum equal to five years. However, the postdoctoral fellow may not receive Welch Foundation support for more than three years.

There shall not be any employer-employee relationship between the Foundation and the principal investigators or recipients of appointments under Foundation grants.

ABSENCE OF PRINCIPAL INVESTIGATOR

If a principal investigator expects to be away from the grantee institution for an appreciable period of time, the Foundation must be informed in advance. The grant will become inactive unless the grantee institution submits a written request acceptable to the Foundation demonstrating that the grant will remain under the full control of the grantee institution.

TRANSFER OF PRINCIPAL INVESTIGATOR

If a principal investigator transfers from the grantee institution, normal closeout procedures should be carried out at the grantee institution with respect to the grant. A new grant proposal may be submitted by any Texas educational institution to which a principal investigator has transferred.

ATTRIBUTION RIGHTS

Any publication in scientific media shall include an acknowledgement referencing the Welch grant number and stating that the research was funded in part by a grant from The Welch Foundation. In addition, the background section of any patent application filed on an invention made with the assistance of a Welch Foundation grant shall include an acknowledgement referencing the Welch grant number and stating that the development of this invention was funded in part by The Welch Foundation.

YEAR-END REPORTS (must be received in the foundation office by the last business day of July of each year):

1. Progress Report (Foundation form). Font size must be 11 points or larger with line spacing of at least 1.5-spacing and must include the following:
 - a. Statement of the research objective for the current grant year.
 - b. Brief report of the progress of the research for the current grant year.
 - c. List of publications, in which the principal investigator is the author or co-author.

Section 3A. – Published Articles. Articles reported in this section must have appeared in print and previously have not been reported to the Foundation in this section. One copy of each article must be enclosed.

Section 3B. – Accepted for Publication Articles. Articles reported in this section are those that have been accepted for publication but have not appeared in print at the time of this report. In parentheses, indicate the date the article was accepted. Eventually, these articles should be reported in Section 3A in the report submitted in the grant year in which they appear in print. Copies of these articles should be sent only when they are listed in Section 3A.

Section 3C. – Submitted Articles. Articles reported in this section are those that have been submitted to a refereed journal and actively are being considered for publication. In parentheses, indicate the date the article was submitted.

Section 4. – Other Published Articles or Patents. Conference or symposium proceedings, books, other invited articles with original material, or patent applications filed on any inventions made with the assistance of The Welch Foundation. Articles listed in this section must have appeared in print, have acknowledged Welch Foundation support, and not previously been reported to the Foundation.
2. Financial Statement (Foundation form) reporting the most recent grant year (June 1 - May 31). All amounts should be reported on a cash basis.
3. Amended Budget Request (Foundation form) is required when an unexpended balance from a preceding year is carried forward to the following grant year. An unexpended balance carry forward of more than \$30,000 must be accompanied by a letter from the grantee institution explaining the circumstances and the need.

TERMINATION OF GRANTS

A grant may be cancelled for cause if progress toward the objective of the grant is not being made satisfactorily or if the grantee institution or the principal investigator is not in compliance with the terms and conditions of the award letter. Once the principal investigator or grantee institution is aware the grant will terminate, expenditures can no longer be made for permanent scientific equipment. In addition, any expenses for expendable scientific items must be for items that will be utilized during the remainder of the grant term.

The following shall be forwarded to the Foundation within 60 days after the termination of a grant for any reason:

1. Final Progress Report. (Foundation form)
2. Final Financial Statement. (Foundation form)

A refund of any unexpended balance will be requested after the Final Financial Statement has been approved.

DOCUMENTATION

As a condition of a grant, all documents in connection with a grant must be signed by persons authorized by the institution to sign such documents. In addition, all documents in connection with a grant may be signed in multiple counterparts and delivered by facsimile, email, U.S. mail, or otherwise, each of which signatures shall be deemed an original.

5555 San Felipe, Suite 1900
Houston, TX 77056-2730
713-961-9884
www.welch1.org
info@welch1.org

THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM
PROPOSAL ON BASIC CHEMICAL RESEARCH

Grant No. _____

Title of Research _____

Grantee Institution _____ Department _____

Principal Investigator _____ Academic Rank _____

Email Address _____ Phone No. _____

Mailing Address _____

Scientific Summary (limited to this space to be prepared by the principal investigator and approved by the grantee institution). See guidelines for formatting requirements.

List on reverse side current and applied for research within the last 12 months. (Space below is for Foundation use.)

--

CURRENT AND APPLIED FOR GRANTS
WITHIN THE LAST TWELVE MONTHS
BY PRINCIPAL INVESTIGATOR

<u>SOURCE</u>	<u>TITLE</u>	<u>PERIOD</u>	<u>DIRECT COSTS PER YEAR</u>
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List on reverse side current and applied for research within the last 12 months. (Space below is for Foundation use.)

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THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM
BUDGET

Taxpayer Id
73-0343128
Schedule 10

	06/01/2014 thru 05/31/2015	06/01/2015 thru 05/31/2016	06/01/2016 thru 05/31/2017	Total
1. FELLOWSHIPS AND SCHOLARSHIPS				
a. Postdoctoral fellowships				
(1) _____	\$ _____	\$ _____	\$ _____	\$ _____
(2) _____	_____	_____	_____	_____
b. Graduate fellowships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
c. Undergraduate scholarships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
TOTAL (Add items 1a thru 1c)	_____	_____	_____	_____
2. FRINGE BENEFITS				
a. Postdoctoral fellowships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
b. Graduate fellowships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
c. Undergraduate scholarships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
TOTAL (Add items 2a thru 2c)	_____	_____	_____	_____
3. PERMANENT SCIENTIFIC EQUIPMENT				
a. _____	_____	_____	_____	_____
b. _____	_____	_____	_____	_____
TOTAL (Add items 3a and 3b)	_____	_____	_____	_____
4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE.				
_____	_____	_____	_____	_____
5. PUBLICATION EXPENSES				
_____	_____	_____	_____	_____
6. TRAVEL				
_____	_____	_____	_____	_____
7. PROJECT TOTAL (Add items 1 thru 6)	\$ _____	\$ _____	\$ _____	\$ _____

APPROVED BY:

Grantee Institution	Investigator (Printed Name)	Grant No.
President or Authorized Representative	Investigator (Signature)	Date
Date		

Taxpayer's I.D.
76-0343128

Schedule 11

The Robert A. Welch Foundation
990PF
Year Ended August 31, 2014
Schedule of Depreciable Property

Description	<u>Date Acquired</u>	<u>Cost</u>	<u>Accumulated Depreciation</u>	<u>Method/ Life</u>	<u>Depreciation Expense</u>
Leasehold Improvements	1-15-96	214,954	95,218	S/L 39	5,512
Furniture and Equipment	3-01-07	8,760	8,132	S/L 7	628
Furniture and Equipment	10-31-08	321	207	S/L 7	46
Furniture and Equipment	3-31-10	90	45	S/L 7	13
Furniture and Equipment	5-30-14	2,363	0	S/L 7	169
Computer Hardware	11-05-08	563	508	S/L 5	55
Computer Hardware	3-31-10	79	56	S/L 5	16
Computer Hardware	5-28-10	111	77	S/L 5	22
Computer Hardware	8-31-11	11,304	4,805	S/L 5	2,261
		<u>238,545</u>	<u>109,048</u>		<u>8,721</u>

See Schedule 2 for Depreciation and Depletion totals.

Taxpayer's I.D.
76-0343128

Schedule 12

The Robert A. Welch Foundation
990PF
Year Ended August 31, 2014

Part VII-A
Question 11
Statement Regarding Activities
Controlled Entity

RWF Fund, L.P.
125 High Street
Boston, MA 02110
Tax I.D. **-***9382

This entity meets the Investment Partnership exception.