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990-PF

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

OMB No. 1545-0047

2012

Department of the Treasury
Internal Revenue Service

Note: The foundation may be able to use a group of this form to satisfy state reporting requirements.

For calendar year 2012, or tax year beginning Sep 1, 2012, and ending Aug 31, 2013

Name of foundation The Robert A. Welch Foundation		A Employer identification number 76-0343128
Number and street for P.O. box number if mail is not delivered to street address 5555 San Felipe		B Telephone number (see instructions) (713) 961-9884
City or town Houston		C If the action applies to the period checked, check here: ☐
State ZIP code TX 77056-2730		D 1 Foreign organizations: check here ☐
G Check all that apply: ☐ Initial return ☐ Initial return of a former public charity ☐ Final return ☐ Amended return ☐ Address change ☐ Name change		D 2 Foreign organizations meeting the 80% 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: to create private foundation		E If private foundation has a master plan under section 501(c)(3)(A) check here ☐
I For each year, enter all assets at end of year (Part I, column (a), lines 1-10) \$ 630,013,043.		F If the foundation is a nonexempt private foundation under section 501(c)(3)(B), check here ☐
J Accounting method: ☒ Cash ☐ Accrual ☐ Other (specify):		

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 (attach schedule)	0.			
	2 Dividends, interest, and other income (attach schedule) ☒ If the foundation is not free to self-deal, see instructions				
	3 Interest on savings and temporary cash investments	971.	933.		
	4 Dividends and interest from securities	6,080,375.	11,602,490.		
	5a Gross rents	200.	200.		
	b Net rental income (attach schedule)	200.			
	6a Net gain (or loss) from sale of assets (attach schedule)	40,774,305.			
	b Gross sales price for all assets (attach schedule)	247,116,742.			
	7 Capital gain or loss (attach schedule)		33,424,513.		
	8 Net short-term capital gain				
	9 Income in publications				
	10a Gross profit (loss) (attach schedule)				
ADMINISTRATIVE AND EXPENSES	b Loss (attach schedule)				
	c Gross profit (loss) (attach schedule)				
	11 Other income (attach schedule)				
	Schedule 8	4,024,660.	5,901,760.		
	12 Total Add lines 1 through 11	50,880,511.	50,929,896.		
	13 Compensation of officers, directors, trustees, etc.	617,735.	383,714.		244,747.
	14 Other employee salaries and wages	543,551.	290,348.		256,964.
	15 Pension plans, employee benefits	276,108.	154,009.		114,774.
	16a Lease fees (attach schedule)	4,404.	2,118.		2,286.
	b Depreciation (attach schedule)	75,632.	37,816.		37,816.
	c Depletion (attach schedule)	3,292,520.	4,611,689.		10,250.
	17 Interest				
ADMINISTRATIVE AND EXPENSES	18 Depreciation (attach schedule) and depletion	439,672.	603,333.		
	19 Occupancy	4,968.	19,076.		
	20 Travel, conferences, and meetings	223,138.	112,517.		110,621.
	21 Printing and publications	20,463.	9,159.		7,553.
	22 Other expenses (attach schedule)	27,019.	2,702.		24,317.
	Schedule 3	639,591.	659,546.		495,529.
	24 Total operating and administrative expenses. Add lines 13 through 23	6,164,801.	6,886,027.		1,304,857.
	25 Contributions, gifts, grants paid	28,537,861.			27,888,587.
	26 Total expenses and disbursements. Add lines 24 and 25	34,702,662.	6,886,027.		29,193,444.
	27 Subtract line 26 from line 12:				
	a Excess of revenue over expenses and disbursements	16,177,849.			
	b Net investment income (if negative, enter 0)		44,043,869.		
	c Adjusted net income (if negative, enter 0)				

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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		5,369,517.	3,984,923.	3,984,923.
	3	Accounts receivable	85,818.			
		Less: allowance for doubtful accounts		83,624.	85,818.	85,818.
	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) Sched. 4a		79,560,116.	63,378,183.	65,111,095.
	b	Investments — corporate stock (attach schedule) Sched. 4b		244,176,827.	293,590,628.	352,054,648.
	c	Investments — corporate bonds (attach schedule) Sched. 4c		20,795,202.	20,702,615.	29,825,183.
	11	Investments — land, buildings, and equipment basis				
	Less: accumulated depreciation (attach schedule)					
12	Investments — mortgage loans					
13	Investments — other (attach schedule) Sched. 4c		167,840,489.	152,330,835.	176,066,106.	
14	Land, buildings and equipment basis	1,104,277.				
	Less: accumulated depreciation (attach schedule)		79,109.	74,141.	74,141.	
15	Other assets (describe Schedule 4)		2,492,586.	2,817,772.	2,807,429.	
16	Total assets (to be completed by all filers — see the instructions. Also, see page 1, item I).		520,401,170.	536,968,615.	630,013,043.	
LIABILITIES	17	Accounts payable and accrued expenses		540,002.	307,292.	
	18	Grants payable		15,806,750.	16,694,250.	
	19	Deferred revenue				
	20	Loans from officers, directors, trustees, & other disqualified persons				
	21	Mortgages and other notes payable (attach schedule)				
	22	Other liabilities (describe)		963,960.	1,411,661.	
	23	Total liabilities (add lines 17 through 22)		17,310,712.	18,413,203.	
NET ASSETS OR FUND BALANCES	Foundations that follow SFAS 117, check here ☒ and complete lines 24 through 26 and lines 30 and 31.					
	24	Unrestricted		-15,747,504.	-16,445,844.	
	25	Temporarily restricted		471,554.	484,060.	
	26	Permanently restricted		518,366,408.	534,517,196.	
	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)		503,090,458.	518,555,412.	
	31	Total liabilities and net assets/fund balances (see instructions)		520,401,170.	536,968,615.	

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	503,090,458.
2	Enter amount from Part I, line 27a	2	16,177,849.
3	Other increases not included in line 2 (itemize)	3	
4	Add lines 1, 2, and 3	4	519,268,307.
5	Decreases not included in line 2 (itemize) Schedule 5	5	712,895.
6	Total net assets or fund balances at end of year (line 4 minus line 5) — Part II, column (b), line 30	6	518,555,412.

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) 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	(l) Gains (Column (h) gain minus column (k), but not less than -0-) or Losses (from column (h))	
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	33,424,513.	
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	8,342,972.	

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

(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))
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
2007	32,296,476.	658,758,417.	0.049026
2 Total of line 1, column (d)			2 0.241330
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 0.048266
4 Enter the net value of noncharitable-use assets for 2012 from Part X, line 5			4 622,528,431.
5 Multiply line 4 by line 3			5 30,046,957.
6 Enter 1% of net investment income (1% of Part I, line 27b)			6 440,439.
7 Add lines 5 and 6			7 30,487,396.
8 Enter qualifying distributions from Part XII, line 4			8 29,193,444.

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 _____			
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, column (b) _____		1	880,877.
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	880,877.
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	880,877.
6 Credits/Payments			
a 2012 estimated tax pmts and 2011 overpayment credited to 2012	6 a	966,281.	
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	966,281.	
8 Enter any penalty for underpayment of estimated tax. Check here ☒ if Form 2220 is attached.	8	147.	
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	85,257.	
11 Enter the amount of line 10 to be credited to 2013 estimated tax	11	85,257.	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)? <i>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</i>		X
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation: \$ _____ (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? <i>If 'Yes,' attach a detailed description of the activities</i>		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? <i>If 'Yes,' attach a conformed copy of the changes</i>		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?		
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? <i>If 'Yes,' attach the statement required by General Instruction T</i>		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? <i>If 'Yes,' complete Part II, column (c), and Part XV</i>	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? <i>If 'No,' attach explanation</i>	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 2012 or the taxable year beginning in 2012 (see instructions for Part XIV)? <i>If 'Yes,' complete Part XIV</i>		X
10 Did any persons become substantial contributors during the tax year? <i>If 'Yes,' attach a schedule listing their names and addresses</i>		X

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)	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>welch1.org</u>	13	X	
14	The books are in care of <u>Norbert Ditttrich</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 2012, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for Form TD F 90-22.1. If 'Yes,' enter the name of the foreign country: _____	16		X

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

File Form 4720 if any item is checked in the 'Yes' column, unless an exception applies.		Yes	No
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)? ☐ Organizations relying on a current notice regarding disaster assistance check here ☐	1 b	X
c	Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2012?	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 2012, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2012? ☐ 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 2012 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 2012)	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 2012?	4 b	X

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

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

- (1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(c))? ☐ 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 ☐

5 b

c If the answer is 'Yes' to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant? ☐ Yes ☐ No

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

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

If 'Yes' to 6b, file Form 8870

6 b

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

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	175,528.	7,770.	1,455.
Carolyn Kahlich 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Senior Acct. 40.00	117,147.	5,225.	583.
Kathy Kirk 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Adm. Asst. 40.00	85,490.	3,789.	792.
Carla Atmar 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Grant Prog Coordinator 40.00	89,362.	3,961.	248.
Sherry White 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Staff Acct. 40.00	64,847.	2,871.	361.

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
RWF Fund, LP 100 Summer Street Boston MA 02110	Investment Manager	748,477.
Silchester International Investors 780 Third Avenue, 42nd Floor New York NY 10017	Investment Manager	547,920.
Wellington Trust Company, NA 75 State Street Boston MA 02109	Investment Manager	447,240.
Iridian Asset Management LLC 276 Post Road West Westport CT 06880	Investment Manager	305,715.
Eagle Capital Management LLC 499 Park Avenue New York NY 10022	Investment Manager	250,624.
Total number of others receiving over \$50,000 for professional services		8

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)	754,995.
2 The 56th Annual Robert A. Welch Foundation Conference on Chemical Research (approximately 560 attendees)	303,237.
3 Norman Hackerman Award in Chemical Research (schedule 10)	234,993.
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.	

BAA

Form 990-PF (2012)

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

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes		
a	Average monthly fair market value of securities	1a	623,172,564.
b	Average of monthly cash balances	1b	696,296.
c	Fair market value of all other assets (see instructions)	1c	8,139,699.
d	Total (add lines 1a, b, and c)	1d	632,008,559.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	
2	Acquisition indebtedness applicable to line 1 assets	2	
3	Subtract line 2 from line 1d	3	632,008,559.
4	Cash deemed held for charitable activities. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	9,480,128.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	622,528,431.
6	Minimum investment return. Enter 5% of line 5	6	31,126,422.

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	31,126,422.
2a	Tax on investment income for 2012 from Part VI, line 5	2a	880,877.
b	Income tax for 2012 (This does not include the tax from Part VI)	2b	
c	Add lines 2a and 2b	2c	880,877.
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	30,245,545.
4	Recoveries of amounts treated as qualifying distributions	4	236,032.
5	Add lines 3 and 4	5	30,481,577.
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	30,481,577.

Part XII **Qualifying Distributions** (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes		
a	Expenses, contributions, gifts, etc. — total from Part I, column (d), line 26	1a	29,193,444.
b	Program-related investments — total from Part IX-B	1b	
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	
3	Amounts set aside for specific charitable projects that satisfy the		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	29,193,444.
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	29,193,444.

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 2011	(c) 2011	(d) 2012
1 Distributable amount for 2012 from Part XI line 7				30,481,577.
2 Undistributed income, if any, as of the end of 2012				
a Enter amount for 2011 only			28,656,263.	
b Total for prior years 20____, 20____, 20____				
3 Excess distributions carryover, if any, in 2012				
a From 2007	0.			
b From 2008	0.			
c From 2009	0.			
d From 2010	0.			
e From 2011	0.			
f Total of lines 3a through e	0.			
4 Qualifying distributions for 2012 from Part XII, line 4 ▶ \$ 29,193,444.				
a Applied to 2011, but not more than line 2a			28,656,263.	
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 2012 distributable amount				537,181.
e Remaining amount distributed out of corpus	0.			
5 Excess distributions carryover applied to 2012 (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 2011. Subtract line 4a from line 2a. Taxable amount — see instructions			0.	
f Undistributed income for 2012. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2013				29,944,396.
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 2007 not applied on line 5 or line 7 (see instructions)	0.			
9 Excess distributions carryover to 2013. Subtract lines 7 and 8 from line 6a	0.			
10 Analysis of line 9				
a Excess from 2008	0.			
b Excess from 2009	0.			
c Excess from 2010	0.			
d Excess from 2011	0.			
e Excess from 2012	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 2012, 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) 2012	(b) 2011	(c) 2010	(d) 2009	
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				27,888,587.
Total			3 a	27,888,587.
b Approved for future payment See schedule 9				15,113,082.
Total			3 b	15,113,082.

Taxpayer's I.D.
76-0343128

Schedule 1

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2013

	<u>Receipts and Expenses Per Book</u>	<u>Net Investment Income</u>	<u>For Exempt Purpose</u>
Line 15			
Insurance	189,851	104,998	77,528
Payroll Taxes	53,269	30,644	22,625
Contribution to the Defined Contribution Plan	32,988	18,367	14,621
	<u>276,108</u>	<u>154,009</u>	<u>114,774</u>

Taxpayer's I D.
76-0343128

Schedule 1a

The Robert A Welch Foundation
990PF, page 1
Year Ended August 31, 2013

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 16a - Legal Fees	4,404	2,118	2,286
Line 16b - Accounting Fees	75,632	37,816	37,816
Line 16c - Other Professional Fees			
Investment Advisors	2,990,172	4,318,107	
Custody Management Fee	61,698	61,698	
Investment Consulting	143,105	143,105	
Land and Royalty Consulting	62,862	62,862	
Other Misc. Professional Fees	34,683	25,917	10,250
	<u>3,292,520</u>	<u>4,611,689</u>	<u>10,250</u>

Taxpayer's I.D.
76-0343128

Schedule 2

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2013

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 18 - Taxes			
Production	147,418	147,041	0
Ad Valorem	80,771	80,771	0
Federal Excise Tax	211,483	0	0
Foreign Taxes Paid	0	375,521	0
	<u>439,672</u>	<u>603,333</u>	<u>0</u>
Line 19 - Depreciation Depletion, and Amortization			
Depletion	0	6,092	0
Depreciation (Schedule 11)	<u>4,968</u>	<u>12,984</u>	<u>0</u>
	<u>4,968</u>	<u>19,076</u>	<u>0</u>

Taxpayer's I.D.
76-0343128

Schedule 3

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2013

Line 23 - Other Expenses	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Bank Fees	15,900	14,277	1,623
Office Supplies	8,253	4,162	4,091
Dues and Subscriptions	14,232	9,349	4,883
Sundry	16,723	10,733	6,131
Postage	2,700	135	2,565
Insurance	89,813	51,296	34,939
Service Agreement	1,307	659	648
Visitation	8,058	0	8,058
Public Relations	689	69	620
Telephone	14,049	3,512	10,537
Computer Supplies & Maintenance	69,963	35,280	34,683
Advisory Board Fees & Expenses	341,911	0	341,911
Semiannual Meetings	33,874	0	33,874
Portfolio Deductions	0	518,921	0
Equipment Rental, Storage & Other Leases	22,119	11,153	10,966
	<u>639,591</u>	<u>659,546</u>	<u>495,529</u>

Taxpayer's I.D.
76-0343128

Schedule 4

The Robert A. Welch Foundation
990PF, page 2
Year Ended August 31, 2013

Part II, Line 14, Column (b)	Basis	Accumulated Depreciation	Net
Land, Buildings, and Equipment			
Leasehold Improvements	451,133	451,133	0
Furniture and Fixtures	385,787	333,633	52,154
Automobile	41,754	41,754	0
Hardware	99,755	77,767	21,988
Software	125,848	125,848	0
	<u>1,104,277</u>	<u>1,030,135</u>	<u>74,142</u>

Part II, Line 15, Column (b)	
Other Assets	
Custody Receivable	728,192
Other Receivables	14,760
Oil and Gas Royalties Receivable	284,838
Dividend Receivable	188,000
Interest Receivable	321,893
Prepaid Pension Costs	649,402
Prepaid FET	86,179
Section 10	484,059
Other Assets	<u>50,106</u>
	<u>2,807,429</u>

Part II, Line 22, Column (b)	
Other Liabilities	
Deferred Federal Tax Payable	<u>1,411,661</u>
	<u>1,411,661</u>

Amounts are reported at cost

The Robert A. Welch Foundation
Investments-US Government Obligations
Year Ended August 31, 2013
Form 900PF, page 2

Taxpayer's ID 76-0343128
Schedule 4a

Quantity	Security	%	Cost
4,950,000	UST BDS 2/15/2016	9.25%	6,910,182
3,825,000	US1 BDS 11/15/2016	7.50%	4,680,844
1,250,000	UST NTS 01/15/2014	1.00%	1,265,043
4,500,000	UST NTS 01/15/2016	0.38%	4,502,652
2,500,000	UST NTS 02/28/2014	0.25%	2,502,547
2,000,000	UST NTS 03/31/2018	2.88%	2,038,758
2,500,000	UST NTS 04/30/2014	0.25%	2,499,325
2,000,000	UST NTS 04/30/2015	0.13%	1,996,725
3,500,000	UST NTS 04/30/2017	0.88%	3,482,785
1,500,000	UST NTS 04/30/2018	2.63%	1,503,053
750,000	UST NTS 05/15/2022	1.75%	757,562
2,000,000	UST NTS 05/31/2017	2.75%	2,050,008
1,000,000	UST NTS 06/30/2015	0.38%	1,000,550
2,500,000	UST NTS 08/15/2021	2.13%	2,542,744
3,000,000	UST NTS 08/15/2022	1.63%	2,981,262
2,000,000	UST NTS 10/31/2017	1.88%	1,929,539
1,500,000	UST NTS 10/31/2019	1.25%	1,521,158
3,000,000	UST NTS 11/15/2020	2.63%	2,833,723
1,200,000	UST NTS 11/15/2022	1.63%	1,199,489
1,000,000	UST NTS 12/15/2013	0.75%	992,269
1,600,000	UST NTS 2/28/2015	2.38%	1,647,595
2,200,000	UST NTS 3/31/2014	1.75%	2,239,367
2,000,000	UST NTS 7/31/2014	2.63%	2,018,913
3,000,000	UST NTS 8/15/2019	3.63%	3,091,939
3,500,000	UST NTS 8/15/2020	2.63%	3,473,901
4,000,000	UST NTS 9/30/2014	2.38%	4,017,813
			<u>65,679,746</u>
	Less Accumulated Amortization		<u>(2,301,563)</u>
	Total Bond Cost		<u><u>63,378,183</u></u>

Amounts are reported at cost

The Robert A. Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2013
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
2,200.00	ACE LTD SHS	195,910
3,780.00	ALLIANT TECHSYSTEMS	198,897
14,800.00	ALTERA CORP COM	323,147
25,600.00	ALTRIA GROUP	468,920
6,900.00	AMERICAN EXPRESS	235,207
12,705.00	AOL INC COM	338,365
24,400.00	AON PLC SHS CL A	1,030,303
3,850.00	APPLE COMPUTER INC COM	656,209
8,400.00	AUTOMATIC DATA PROCESS COM	356,473
1,810.00	AUTOZONE	361,549
28,150.00	AVIS BUDGET GROUP COM	650,542
6,940.00	BALL	124,642
8,180.00	BAXTER INT'L	412,425
15,500.00	BERKLEY W R CORP COM	385,292
20,700.00	BERKSHIRE HATHAWAY INC CL B	1,687,948
2,300.00	BLACKROCK INC COM	416,786
2,000.00	CANADIAN PAC RY LTD COM	242,001
5,600.00	CATERPILLAR INC DEL COM	400,305
7,030.00	CHECK POINT SOFTWARE ORD	335,897
12,500.00	CHEVRON CORP	857,378
95,800.00	COCA COLA	1,854,495
9,300.00	COMCAST CORP CL A	373,909
26,100.00	COMCAST CORP CL A SPL	469,666
12,400.00	CONOCOPHILLIPS	419,178
15,300.00	CONSTELLATION BRANDS CL A	662,186
14,380.00	COVANTA HLDG CORP COM	242,612
15,170.00	CROWN HOLDINGS	282,242
15,000.00	DELTA AIR LINES DEL COM NEW	292,683
2,000.00	DIAGEO PLC SPON ADR	238,226
18,600.00	DISH NETWORK CORP CL A	697,114
8,500.00	DISNEY	325,237
17,135.00	DRESSER-RAND GROUP INC COM	734,132
17,530.00	EASTMAN CHEMICAL	555,065
14,900.00	ECOLAB	505,598
1,500.00	EOG RES	207,343
26,972.00	EXXON MOBIL	1,834,884
12,050.00	FMC CORP	684,006
15,600.00	FIDELITY NATL INFO SVC COM	381,849
5,810.00	FLOWERVE CORP COM	233,344
12,300.00	FRANKLIN RES INC COM	526,383
11,100.00	FREEMORAN COP&G CL B	628,098
19,100.00	GENERAL ELECTRIC	257,881

The Robert A. Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2013
Form 990PF, page 2

Taxpayer's ID 76-0343128
Schedule 4b

Shares	Security	Cost
4,467.00	GOLDMAN SACHS	554,966
1,190.00	GOOGLE INC CL A	654,052
17,650.00	GRACE W R & CO DEL COM	1,035,621
34,614.00	HEALTH NET INC COM	878,435
36,210.00	HEWLETT PACKARD CO COM	587,662
3,983.00	HSBC HLDGS ADR	251,579
25,800.00	INTEL	216,779
45,380.00	INTERPUBLIC GROUP COS COM	503,538
5,300.00	INTL BUS MACH	726,505
800.00	INTUITIVE SURGICAL INC COM	221,612
12,300.00	JOHNSON & JOHNSON	747,221
7,930.00	JOY GLOBAL INC COM	473,877
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
8,690.00	LEXMARK INTL CL A	200,594
19,430.00	LIBERTY GLOBAL PLC SHS CL C	402,172
25,800.00	LOEWS CORP COM	949,655
23,860.00	LOWES COS	918,127
114,478.00	LSI LOGIC CORP COM	758,636
11,590.00	LYONDELLBASELL INDUSTR SHS - A -	778,878
10,300.00	MCDONALDS	449,336
6,300.00	MCGRAW HILL	66,562
8,300.00	MERCK & CO INC	271,256
52,900.00	MICROSOFT	1,535,283
34,500.00	MONDELEZ INTL INC CL A	761,150
48,400.00	MORGAN STANLEY COM	720,854
17,350.00	MOTOROLA SOLUTIONS INC COM	850,379
25,550.00	NESTLES ADR	390,052
2,775.00	NEWS CORP NEW CL A	12,688
25,600.00	NOBLE ENRGY INC COM	1,120,025
5,250.00	NOVARTIS A G SPONSORED ADR	372,635
5,100.00	NOVO-NORDISK A S ADR	300,120
19,070.00	OCCIDENTAL PETE	1,695,739
27,500.00	OMNICARE INC COM	725,298
87,500.00	ORACLE	2,607,706
4,380.00	OUTERWELL INC COM	230,262
20,500.00	PEPSICO	1,248,684
23,000.00	PHILIP MORRIS INTL INC COM	1,051,912
6,250.00	PHILLIPS 66 COM	125,578
42,680.00	PITNEY BOWES INC COM	645,895
16,300.00	PRAXAIR	992,256
13,300.00	PROCTER & GAMBLE	703,827
8,600.00	QUALCOMM INC COM	356,743
8,400.00	ROCHE HLDG LTD SPONSORED ADR	373,406

The Robert A. Welch Foundation
Investments-Corporate Stocks
Year Ended August 31, 2013
Form 990PF, page 2

Taxpayer's ID 76-0343128
Schedule 4b

Shares	Security	Cost
11,338.00	ROCKWOOD HLDGS INC COM	447,111
12,300.00	ROYAL DUTCH SHELL PLC SPONS ADR A	617,993
40,820.00	SAIC INC COM	539,003
2,860.00	SANDISK CORP COM	161,257
17,040.00	SEAGATE TECHNOLOGY PLC SHS	426,443
29,540.00	SEALED AIR CORP NEW COM	733,010
6,440.00	SEMGROUP CORP CL A	293,346
22,830.00	SERVICE CORP INTL COM	289,080
11,500.00	TARGET CORP COM	568,435
6,045.00	THE ADT CORPORATION COM	196,853
25,520.00	THERAVANCE INC COM	588,805
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
51,000.00	TWENTY FIRST CENTY FOX CL A	450,835
15,600.00	TX INSTRS	497,189
28,760.00	TYCO INTERNATIONAL LTD SHS	691,640
1,000.00	UNION PAC CORP COM	155,242
8,000.00	UNITED TECHNOLOGIES CP COM	563,004
16,500.00	UNITEDHEALTH GROUP	892,044
14,392.00	VALEANT PHARMACEUTICAL COM	228,989
16,020.00	VALSPAR CORP COM	437,428
13,070.00	VIACOM INC CL B	668,756
26,800.00	WAL MART	1,167,979
8,100.00	WALGREEN	254,206
10,000.00	WELLS FARGO	410,262
24,520.00	WYNDHAM WORLDWIDE CORP COM	816,096
3,065,143.92	ABERDEEN FDS EMRGN MKT INSTL	47,300,000
1,335,070.02	BLACKROCK RUSSELL 3000 INDEX FUNI	21,843,512
20,700.00	ISHARES EAFE IDX	1,057,707
2,167,352.20	MANNING & NAPIER FD OVERSEAS SER	55,261,057
918,550.48	SII INT'L VALUE EQUITY	51,068,224
3,097,476.49	WELLINGTON CTF DIH	50,767,222
	Total Cost	293,590,628

Amounts are reported at cost

The Robert A. Welch Foundation
Investments-Other
Year Ended August 31, 2013
Form 990PF, page 2

Taxpayer's ID 76-0343128
Schedule 4c

Part II, Line 10c, Column (b)

Corporate bonds:

Brandywine Global Investment Management Trust

20,702,615

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

149,037,775

152,330,835

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, 2013

Part III, Line 5

Change in Recorded Cost of Investments

121,557

Increase in Prepaid Pension

281,739

Federal Excise Tax Provision on Capital Gains

(1,116,191)

(712,895)

Taxpayer's ID
76-0343128

Schedule 6

The Robert A. Welch Foundation
990PF, page 6
Year Ended August 31, 2013

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	4 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
James T. Hackett 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730 (9/01/12 - 6/30/13)	Treasurer & Director	4 hours	29,167	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	Director	6 hours	35,000	0	0
Norbert Dittrich 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	President	40 hours	572,536 (1)	11,475	10,726
			<u>756,703</u>		
Applied to Direct Charitable Activities			<u>(138,968)</u>		
Page 1, Part I, Line 13(a)			<u>617,735</u>		

(1) Salary
Benefit restoration payment made due to the compensation
limit imposed on Defined Benefit Retirement Plans

429,689

142,847

572,536

The Robert A. Welch Foundation
Year Ending August 31, 2013

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	180,583,583	159,731,139	5,558,323	15,294,121
Other Gains and Losses							
BlackRock	purchase	various	various	18,762,309	18,321,066	441,243	0
City of London	purchase	various	various	30,008,748	36,162,634	0	(6,153,886)
Silchester International Value Equity	purchase	various	various	547,920	476,085	32,736	39,099
Wellington CTF Equity	purchase	various	various	17,214,182	15,618,347	5,603	1,590,232
BlackRock (K-1)	purchase	various	various			(17,130)	1,145,853
Brandywine (K-1)	purchase	various	various			286,363	473,701
City of London (K-1)	purchase	various	various			882,287	9,499,764
RWF Fund, L P (K-1)	purchase	various	various			985,291	1,748,352
Silchester International Value Equity (K-1)	purchase	various	various			16,416	2,743,372
Wellington CTF DIH (K-1)	purchase	various	various			(180,512)	(2,179,058)
Wellington CTF Research Equity (K-1)	purchase	various	various			332,352	879,991
				247,116,742	230,309,271	8,342,972	25,081,541
Short Term Taxable Gain(Loss)							8,342,972
Long Term Taxable Gain(Loss)							25,081,541
Part I, Line 7							<u>33,424,513</u>

Taxpayer's I.D.
76-0343128

Schedule 8

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2013

	<u>Receipts and Expenses Per Book</u>	<u>Net Investment Income</u>	<u>For Exempt Purpose</u>
Line 11			
Other Income:			
Royalties	3,713,025	3,700,778	0
Other Income	311,635	2,200,982	0
	<u>4,024,660</u>	<u>5,901,760</u>	<u>0</u>

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#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Canceled	Balance 8/31/2013
1678	Texas A&M University	Quantum Coherent Synthesis and Decomposition	0	60,000	60,000	0	0
1727	UT Southwestern Medical Center Texas A&M International University	Apoptosome Control by Tango7/FBIF3 Proteins The Design, Synthesis, Characterization and Binding Studies of Multivalent Polyoxydine Based Macrocyclic Carbohydrate Receptors in Aqueous Solutions	0	0	0	0	0
1779			120,000	0	75,000	0	45,000
1595	UT at Dallas	Tailoring Small Molecules to Mimic Protein Helical Surfaces	0	60,000	60,000	0	0
1753	UT at Austin	A Synthetic Biochemistry Platform for Alkane Synthesis in Yeast	30,000	0	30,000	0	0
	UT Southwestern Medical Center	Post-Translational Modification of Host Enzymes by Bacterial Effector Proteins	75,000	0	75,000	0	0
1704			60,000	0	60,000	0	0
1619	UT Southwestern Medical Center	Mechanism and Zonation of Hepatic Crosstalk between Lipogenesis and Canonical Wnt-Signaling	0	0	0	0	0
1802	UT at Austin	Enhanced Optical Magnetism and Chirality in Plasmonic Metamaterials	0	180,000	90,000	0	90,000
1151	UT at Austin	Strong Molecular Sensitivity and Broadband, Giant Circular Dichroism Fingerprinting Glutconitrides	0	180,000	90,000	0	90,000
1152	University of Houston	Effect of Heterogeneities on Spatiotemporal Patterns in Chemical Reactors	0	0	0	0	0
			0	0	0	0	0
1531	University of Houston	Structure and Orientation of Room-Temperature Ionic Liquids at the Electrolyte Graphene Interface	0	60,000	60,000	0	0
1153	UT at Dallas	Zeolite Encapsulated Metal Complexes	0	225,000	75,000	0	150,000
1680	Rice University	New Strategies for Catalytic Bond Formation	0	60,000	60,000	0	0
	University of Houston	Mechanism for Huge Photolysis of Hydrocarbon from Water and Carbon Dioxide on CoO Nanostructures	0	225,000	75,000	0	150,000
1728	Texas A&M University	Structure and Chemistry of DNA Repair Enzyme Spore Photoproduct Lyase	0	180,000	75,000	0	105,000
1647			120,000	0	90,000	0	30,000
1780	UT at Austin	Discovering Functional Nucleic Acid Families by Deep Sequencing and Fold Sampling	0	75,000	75,000	0	0
1309	Rice University	Novel Peroxisomal Processes in Plants	60,000	0	60,000	0	0
1705	UT at Austin	Plasmon-Enhanced Nanoscale Mid-Infrared Microscopy with Monolayer Sensitivity	0	180,000	90,000	0	90,000
1803	UT at Austin	Understanding the Crystal Chemistry of Bi-Based Perovskites	0	180,000	90,000	0	90,000
	Rice University	Dynamical Consequences of Protein Chemistry in Synthetic Gene Circuits	0	180,000	90,000	0	90,000
1729			75,000	0	75,000	0	0
639	Texas A&M University	Thermally Responsive Multiphase Catalytic Systems	0	180,000	60,000	0	120,000
1649	UT at El Paso	Biochemical and Biophysical Investigation of a Novel Protein Folding Mechanism	0	180,000	60,000	0	120,000
			60,000	0	60,000	0	0
747	Texas A&M University	Structure and Dynamics of Prototypical Hydrogen Bonded and Related Interactions	30,000	0	30,000	0	0
1754	UT Southwestern Medical Center	Novel Amyloid-Binding Peptide Ligands as Alzheimer's Therapeutic	100,000	0	100,000	0	0
1621	UT at Austin	Fundamental Studies of Diamidocarbenes and Related Derivatives	0	75,000	75,000	0	0
490	Rice University	Chemistry of Carbon Nanomaterials	0	60,000	60,000	0	0
1239	Texas Tech University	Dynamics and Products of Pseudopericyclic and Pericyclic Reactions	0	30,000	30,000	0	0
1755	Rice University	Controlling Nanoparticle Assembly via Steric Forces	30,000	0	30,000	0	0
1337	University of Houston	Excited State Dynamics in Photosensitized Systems	75,000	0	75,000	0	0
	UT Southwestern Medical Center	Determining Lipid-Protein Interactions for a Channel Gated by Membrane Tension	0	60,000	60,000	0	0
1420			60,000	0	60,000	0	0
1706	Texas A&M University	The Sonogashira Catalyst System for C-C Coupling Reactions New Mechanistic Insights and Improved Recyclability	60,000	0	60,000	0	0
1707	Texas Tech University	Development of More Reactive Cyclopentadienyl and Indenyl Cx(1) Sources for C-H Bond Activation and Functionalization	60,000	0	0	60,000	0
1155	UT at Austin	Fundamentals of Photo- and Electron-Based Activation of Ions in the Gas Phase	0	225,000	112,500	0	112,500
1622	UT Southwestern Medical Center	Design and Synthesis of Tumor Targeted Drug Delivery Systems for Lung Cancer Therapy	60,000	0	60,000	0	0

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 9/31/2013
1588	UT Southwestern Medical Center	Characterization of an Iron- and Oxygen Sensing Switch Regulating Cellular Iron Homeostasis	0	180,000	75,000		105,000
1121	Texas A&M University	Hydrogenations of Stereochemically Complex Substrates The End of a Messy Divorce and the Beginning of a New Romance	75,000	0	75,000		0
1804	UT Southwestern Medical Center	Dysregulation of Intracellular Lipid Synthesis During Disease	0	180,000	75,000		105,000
1569	UT HSC at Houston	Coordinating Methylation with Chromatin Function Through the Action of the Sotos Protein Nsd1	0	0	0		0
1241	Rice University	Structure and Properties of Complex Fluids in the Bulk and Interfacial Regions	0	75,000	75,000		0
1730	UT at San Antonio	Porous Metal-Organic Frameworks with Open Metal Sites for Recognition of Gases	0	300,000	100,000		200,000
1731	UT HSC at Houston	Identification and Characterization of Small Molecules as Chemical Probes of the Circadian Clock	0	180,000	75,000		105,000
1389	UT Southwestern Medical Center	Biochemical Mechanism of NF- κ B Inhibition by Deubiquitination Enzymes	0	300,000	125,000		175,000
1596	UT Southwestern Medical Center	Mechanistic Studies on the Vanadium-Catalyzed C-H Hydroxylation Reactions	0	60,000	60,000		0
1805	UT Southwestern Medical Center	Mechanistic Action of BET Compound Inhibitors in Cancer Therapeutics	0	180,000	75,000		105,000
1242	Baylor College of Medicine	Structural Studies of Viruses by Cryo-EM	0	100,000	100,000		0
1532	UT Southwestern Medical Center	Quantitative Characterization of Nuclear Export Inhibition	0	75,000	75,000		0
1286	UT Southwestern Medical Center	Mitochondrial Signaling by Reversible Phosphorylation	0	180,000	75,000		105,000
673	Texas A&M University	Metal Phosphonates as Crystal Engineered Solids	0	225,000	93,750		131,250
1570	Rice University	Mapping the Free Energy Landscape of Proteins by Combining Theory and Experiment	0	300,000	150,000		150,000
1243	UT Southwestern Medical Center	Regulatory and Catalytic Properties of MAP Kinase Cascades	0	60,000	60,000		0
1212	Texas Christian University	Hollow Semiconductor Nanotubes Structural and Compositional Control	75,000	0	75,000		0
1806	University of Houston	New Catalytic Asymmetric Carbon-Carbon Bond Forming Methods	0	180,000	60,000		120,000
1732	UT Southwestern Medical Center	Biochemical Analysis of a Viral RNA Stability Element with Its Cellular Co-factor, hnRNP C	0	180,000	75,000		105,000
1756	UT at Austin	In Vivo Structure Characterization of Catalytic RNAs by Fluorescence	30,000	0	30,000		0
1244	UT Southwestern Medical Center	Recognition of DNA by Synthetic Oligomers	0	75,000	75,000		0
1421	Texas A&M University	Probing Cation-Amide Interactions	0	0	0		0
1757	Texas Tech University INC	Cryallographic and Functional Studies in KcsA-Kv Channel Chimeras that Differ in G-Type Inactivation Properties	30,000	0	30,000		0
1390	UT at Austin	Acquiring Highly Selective Inhibitors of CAMK-III	0	225,000	112,500		112,500
923	Texas A&M University	Design and Reactivity Studies of Metal Catalysts for the Production of Polycarbonates from Novel Oxiranes and Carbon Dioxide	75,000	0	75,000		0
924	Texas A&M University	Synthetic Analogues and Reactivity Studies of Iron, Nickel, and Zinc Biomimetic Complexes Containing Halide, Cysteine and Nitric Oxide as Ligands	75,000	0	75,000		0
1571	University of Houston	New Methods for Carbon-Hydrogen Bond Functionalization	0	300,000	100,000		200,000
1422	UT Southwestern Medical Center	Novel Heterocyclizations for Natural Product Synthesis	0	60,000	60,000		0
1733	UT Southwestern Medical Center	Dynamic Nuclear Polarization of Small Molecule Metabolic Probes	0	300,000	125,000		175,000
1500	UT Southwestern Medical Center	Mechanisms and Regulation of 26S Proteasome Assembly and Activation	0	180,000	75,000		105,000
1289	UT at Arlington	Metal Complexes of Fluorinated Ligands	0	300,000	100,000		200,000
1625	Rice University	Activated Spatial Regulation of Intracellular Chemistry	60,000	0	60,000		0
1653	UT at Austin	Combinatorial Approaches for Analytical Chemistry Using a Hybrid Silicon/Organic Semiconductor Sensor	0	0	0		0
1781	UT at Austin	Site-Selective C-H Bond Functionalization	120,000	0	90,000		30,000
1782	UT Southwestern Medical Center	Cooperative Assembly of HIV Transcription Elongation Complexes	120,000	0	75,000		45,000

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#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1038	UT at Austin	Femtosecond Nonlinear Spectroscopy of Column IV Nano-Interface Chemistry	0	300,000	150,000		150,000
1598	Rice University	Preparation and Characterization of Gold Nanoparticles (AuNPs) Using CO Reduction	0	60,000	60,000		0
1682	Rice University	Infrared and Microwave Spectroscopy of Graphene and 2D Topological Insulators	0	60,000	60,000		0
1449	Texas A&M University	Magnetism Conductivity and the Interplay Between These Properties in d and f Block Materials with Organovanadate Ligands	100,000	0	100,000		0
734	Rice University	Studies Involving Molecules in High Rydberg States	0	100,000	100,000		0
1502	UT at Austin	Chemistry on Semiconductor and Dielectric Surfaces	0	0	0		0
1783	UT at Austin	Passive Transport Through Membrane	120,000	0	90,000		30,000
1654	UT at Austin	Evolution of Autonomous, Self-Replicating Systems	0	180,000	90,000		90,000
1709	UT at Austin	Chemistry and Properties of Self-Assembly Directed Nanomaterials	60,000	0	60,000		0
1126	Texas Tech University	Dynamics of Impurities in Semiconductors	75,000	0	75,000		0
1734	UT at Austin	Growth of Nanoscale ZnO Superstructures through a Chemical Route Assisted by I-D Catalysts	0	180,000	90,000		90,000
1572	UT at Austin	Chemical Probes for Biological Catalysis	0	225,000	112,500		112,500
1807	Texas Tech University	Base-Metal Catalyzed Olefin Metathesis Reactions	0	180,000	60,000		120,000
1808	UT at Austin	Molecular Mechanisms of Replicating Through DNA Lesions	0	180,000	90,000		90,000
1245	UT HSC at San Antonio	Mechanisms of Oxidative Enzymes	0	60,000	60,000		0
1573	UT at Austin	Physical Constraints for Molecular Catch Bonds	0	0	0		0
1710	Texas A&M University	Chemical Investigation of the Heaviest Elements	60,000	0	60,000		0
1809	Rice University	Topological Matter Phases Under Extreme Pressure Dynamics and Disorder	0	180,000	90,000		90,000
1735	UT at San Antonio	Catalytic, Asymmetric Synthesis of Chiral Allenes via Fluoroselective β -Hydride Elimination	0	225,000	75,000		150,000
1218	Texas A&M University	The Integrating Cavity - A Powerful New Approach to Ring-Down Spectroscopy	0	0	0		0
1423	Texas A&M University	Cationic Gold-Antimony Complexes Lewis Acidic and Catalytic Properties	0	75,000	75,000		0
1599	UT at Austin	Fundamental Studies of Self-Assembly in Mixtures of Organic and Inorganic Molecules	0	75,000	75,000		0
1424	UT Southwestern Medical Center	Comparative Studies of the Signaling Mechanisms of Flavon-Based Protein Photosensors	0	60,000	60,000		0
1395	Baylor University	C ₂ -Chiral Pyrrolidines, Phosphonates and Phosphabarbiturates for Asymmetric Catalysis	0	0	0		0
823	UT Southwestern Medical Center	Formaldehyde Cross-Linking for Discovery of Novel Regulatory Elements Exhibiting Long-Range Interactions Within and Between Chromosomes	0	60,000	60,000		0
1656	Texas A&M University	Selective Methane Oxidations in Fluorous Media	0	225,000	93,750		131,250
1758	Texas A&M University	What Makes an Enzyme Promiscuous? Structure-Function Relationships of o-Succinylbenzoate Synthase/N-Succinylamino Acid Racemase Enzymes	60,000	0	60,000		0
1810	Texas A&M University	Phospholipid-Protein Interactions in Energy Transformation Reactions	0	180,000	75,000		105,000
1759	Baylor College of Medicine	Quantifying Transcription Kinetics in Individual Cells at Single-Event Resolution	30,000	0	30,000		0
1128	UT Southwestern Medical Center	Docking Interactions between the MAP3Ks, ASK1/TAO2 and B-Raf with their Cognate MAP2Ks, MEK6 and MEK1	75,000	0	75,000		0
1736	University of North Texas HSC at Fort Worth	Structure Determination of a Chloride Ion Channel to Atomic Resolution	0	0	0		0
1066	UT at Austin	Influence of Counter Cation in Mixed-Metal Oxides	0	300,000	150,000		150,000
1296	UT HSC at Houston	Combinatorial Selection, Structure and Design of Antiviral Thiophamers	0	180,000	75,000		105,000

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#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1760	Texas Christian University	Probing Surface Interactions of Ferrocene Peptide Conjugates and Interfacial Responses with Biomolecules	30,000	0	30,000		0
1577	University of North Texas	From Cooperation to Intermittency and Beyond	0	180,000	60,000		120,000
1505	UT Southwestern Medical Center	Regulation of Flavoenzyme Homeostasis	0	225,000	93,750		131,250
1297	University of Houston	Chemical Bonding and Properties of "Electron-Poor" Intermetallics Along the ZnII Border	0	225,000	75,000		150,000
1761	Rice University	Analytical Surface Enhanced Raman Spectroscopy for Biological Interfaces	30,000	0	30,000		0
1220	Rice University	Chemical and Photophysical Properties on Complex Nanoparticles and Nanoparticle Complexes	0	300,000	150,000		150,000
1457	University of Houston	Advanced Second-Harmonic Generating Materials	75,000	0	75,000		0
648	Texas A&M University	Computational Chemistry on Transition Metal Systems	75,000	0	75,000		0
1737	Texas Christian University	Intramolecular Bismuth and Antimony-Carbon Bond Formation and Reactivity	0	0	0		0
1397	Texas A&M University	Nuclear Decay Studies	0	180,000	75,000		105,000
1811	UT at Austin	Structural Characterization of a Novel Regulator of H ⁺ Flow Across the Bacterial Membrane, A Potential Antimicrobial Drug Target	0	180,000	90,000		90,000
1399	UT HSC at San Antonio	Structures of <i>Chlamydia</i> Proteins Secreted During Human Infection	0	225,000	93,750		131,250
1557	Rice University	Synthesis of Nanostructured Organic Materials via Self-Assembly	75,000	0	75,000		0
1131	UT at Austin	Design of Polymer Binder-Carbon Particle Composites of Lithium Ion Battery Electrode	100,000	0	100,000		0
1812	UT Southwestern Medical Center	Structural Basis of Chemical Transmitter Recognition by Pentameric Ligand-Gated Ion Channels	0	180,000	75,000		105,000
1657	UT Southwestern Medical Center	The Role of the VO Al Phase in SNARE-Mediated Membrane Fusion	0	180,000	75,000		105,000
1658	Texas A&M University	Molecular Basis for Autotransporter Function	0	180,000	75,000		105,000
1206	University of Houston	Synthesis of Metal Complexes with Sterically Encumbered Ketimide Ligands	60,000	0	60,000		0
1631	UT at Austin	Seeded Growth of Inorganic Materials within Organic Templates	75,000	0	75,000		0
1762	UT Southwestern Medical Center	Biochemical and Structural Studies of a Novel Retinoid Binding Protein Family	30,000	0	30,000		0
1660	UT Southwestern Medical Center	Chemical Regulation of Adult Hippocampal Neurogenesis	0	225,000	93,750		131,250
991	Rice University	The Free Energy Pathway for Lipid Transformations in Membrane Fusion	0	75,000	75,000		0
1133	Rice University	Matter Wave Solitons Collisions, Coherence, and Atom Interferometry	100,000	0	100,000		0
1738	UT at Austin	New Poly-Carboxylated ARI Phosphines and Coordination Complexes and Polymers Thereof	0	180,000	90,000		90,000
1535	UT at Austin	First-Principles Investigation of the Structure, Chemistry and Properties of Graphene-Based Nanomaterials	0	75,000	75,000		0
1784	Texas A&M University	A Novel Interaction Within Protein Kinase C Enzyme	120,000	0	75,000		45,000
1188	UT at Austin	Novel Conjugated Polymers	0	60,000	60,000		0
1274	UT at Austin	Complex Active Sites for Phosphoryl Transfer Continued Chemical, Biochemical, Biophysical and Structural Analysis	75,000	0	75,000		0
1785	UT at Austin	Error-Free High-Throughput Gene Sequencing	120,000	0	90,000		30,000
1507	UT HSC at San Antonio	Substrate Binding and Structure-Function of Amino Acid Transporters	0	225,000	93,750		131,250
1603	UT Southwestern Medical Center	Study of Chemical Modification in Cell Signaling	0	100,000	100,000		0
1684	UT Southwestern Medical Center	Structural Basis for the Ligand-Gating of a Type I IP ₃ Receptor	0	60,000	60,000		0
1578	UT Southwestern Medical Center	Structural and Functional Studies of RCK-Regulated Potassium Channel	0	300,000	125,000		175,000
1711	UT HSC at Houston	Dissection of Mechanisms of Polyubiquitin Chain Synthesis	60,000	0	60,000		0
1604	UT at Austin	Kinetics of Nucleotide Binding by HIV Reverse Transcriptase	0	75,000	75,000		0
1319	UT at Austin	Tuning Nucleation and Growth of Nanoclusters and Thin Metal Films	0	75,000	75,000		0
816	UT at Austin	Molecular Precursors for New Functional Materials	75,000	0	75,000		0

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
680	University of Houston	Electrochemistry and Spectroelectrochemistry of Compounds with Multiple Redox Centers	0	300,000	100,000		200,000
1763	Texas A&M University	Biochemical and Biophysical Determination of Conserved RNA Polymerase Domains Function in Catalysis, Abortive Initiation and Template Interaction	60,000	0	60,000		0
1712	UT at Austin	Preparative <i>In Vitro</i> Biosynthesis of Complex Polyketides	75,000	0	75,000		0
1605	Rice University	Investigating the Nanoscale Surface Chemistry of Graphene	0	60,000	60,000		0
1298	UT at Austin	Rearrangements of Alkynylazoles	0	180,000	90,000		90,000
1632	Rice University	Single Molecule Studies of Molecular Interactions of Biological Macromolecules	75,000	0	75,000		0
1579	Rice University	Sironium Ferri Gases and Bose-Fermi Mixtures	0	0	0		0
1813	UT HSC at San Antonio	Biochemical Characterization of a Novel Class of Noncoding RNAs	0	180,000	75,000		105,000
1786	UT Southwestern Medical Center	Structure of an Epigenetic Regulatory Complex	120,000	0	75,000		45,000
894	Texas A&M University at Galveston	Chemical Models: Classical to Quantum-Theoretic	75,000	0	75,000		0
1558	UT Southwestern Medical Center	Characterization of the Endogenous Ligand for the Immunomodulatory Orphan Nuclear Receptor ROR γ	100,000	0	100,000		0
1358	Texas A&M University	Theoretical Studies of Heavy Ion Collisions	75,000	0	75,000		0
1686	UT Southwestern Medical Center	New Chemical Tools to Study Extracellular Glycan Remodeling by Sialidases	0	60,000	60,000		0
1559	Rice University	Theoretical Understanding of Chemical Mechanisms of Selectivity in Transport through Channels	100,000	0	100,000		0
1509	Rice University	Optical, Infrared, and Terahertz Dynamics of Carbon Nanomaterials	0	225,000	112,500		112,500
1464	UT at Austin	Nanomaterials of Earth Abundant Elements for Energy Storage and Harvesting	100,000	0	100,000		0
608	University of Houston	Supersymmetric Quantum Mechanics: Accurate Excited State Energies and Wave Functions	0	75,000	75,000		0
1764	UT Southwestern Medical Center	Synthesis of Complex Natural Products via Novel C-C Bond-Forming Processes	30,000	0	30,000		0
398	Texas A&M University	Molecular Conformations and Vibrational Potential Energy Surfaces	75,000	0	75,000		0
1814	UT at Austin	Electrical Imaging of Chemically Intercalated Nano-Materials	0	180,000	90,000		90,000
634	UT at Austin	The Chemical Composition of Stars	100,000	0	100,000		0
1607	UT at Austin	DNA Target Site Recognition by Mobile Group II Introns	0	60,000	60,000		0
1787	Rice University	Exploiting Molecular Fluorescence to Probe Local Chemical Dynamics	120,000	0	90,000		30,000
1788	UT at San Antonio	New Enantioselective Strategies for the Synthesis of HPI Natural Products	120,000	0	60,000		60,000
1741	UT at Austin	Developing Potent Solanum alkaloid Analogs	0	225,000	112,500		112,500
1320	University of Houston	Aliphatic Dithiocarbonylates, Xanthates and Dithiocarbamates on Metal Surfaces and Metal Nanoparticles	0	75,000	75,000		0
1815	Lamar University	New Nickel(II)- π -Aryl Complexes as Catalysts for Suzuki Cross-Coupling Reactions	0	180,000	75,000		105,000
1816	Texas A&M University	The Structural Basis of Microbial DNA Sensing in Innate Immunity	0	180,000	75,000		105,000
1361	Texas Tech University	Chiral λ^3 -Phosphonylimines-Controlled Asymmetric Reactions of Halo Enolates	75,000	0	75,000		0
1662	UT at Austin	Probing Complex Electron Dynamics with Optical Two-Dimensional Fourier Transform Spectroscopy	0	180,000	90,000		90,000
1713	UT Southwestern Medical Center	Biochemical and Functional Analysis of Histone Chipping	80,000	0	60,000		0
1321	Texas Tech University	Energies and Defect Chemistry for Muonium in Oxide Semiconductors	0	75,000	75,000		0
1170	Texas A&M University	Characterization of Low-Molecular-Mass Iron and Manganese Complexes in Eukaryotic Cells	0	180,000	75,000		105,000
1664	Rice University	Probing Molecular Orientations of Liquid Crystals at the Surface of Plasmonic Nanoparticles with Particle Absorption and Scattering Spectroscopy	0	225,000	112,500		112,500

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1789	UT Southwestern Medical Center	Novel Imaging Probes for Investigating ER-Plasma Membrane Junctions	120,000	0	75,000		45,000
1715	Texas A&M University	Biosensors for Small Molecules and Enzymes	75,000	0	75,000		0
1511	UT at Austin	Mechanistic Studies of Novel Enzymes	0	300,000	150,000		150,000
1714	UT HSC at Houston	High-Resolution Structure Determination of Molecular Machines <i>in situ</i> by Cryo-Electron Tomography	75,000	0	75,000		0
1608	UT Southwestern Medical Center	Mechanistic Studies of the Drosophila RNA Interference Pathway	0	60,000	60,000		0
1790	UT Southwestern Medical Center	Structural and Biochemical Studies of Gene Repression by Polycomb Repressive Complex 2: Catalysis and Recruitment	120,000	0	75,000		45,000
1560	UT Southwestern Medical Center	Biochemical Mechanisms of Small RNA Production Pathways	100,000	0	100,000		0
1742	Texas A&M University	The Structural Basis for Ligand Recognition and Allostery in Signaling Proteins	0	180,000	75,000		105,000
1716	Rice University	Development of Nanomaterials for Low Cost Solar Energy Harvesting	75,000	0	75,000		0
1362	UT at Arlington	Total Synthesis of Marine Alkaloids of the Leucettia and Orodin Families	75,000	0	75,000		0
1765	University of Houston	New Type of Electronic States in Vitreous Chalcogenides and Pnictides	30,000	0	30,000		0
1020	Texas A&M University	Reaction Dynamics Probed by Molecular-Fragment Photoinization	75,000	0	75,000		0
1665	UT Southwestern Medical Center	Modulation of Canonical Wnt Pathway Activity Using Small Molecules	0	225,000	93,750		131,250
1766	Texas A&M University	Template-Synthesis and Solution Assembly of Polyamine for Organic Energy Storages	60,000	0	60,000		0
1688	Texas A&M University	Chemical Dynamics of Cold Ultracold Molecules and Atomic Hydrogen	0	60,000	60,000		0
1512	Baylor College of Medicine	Enhancing Vaccine Design Against Influenza H1N1 Virus	0	225,000	93,750		131,250
1473	UT at Austin	Electronic Properties of Graphene	100,000	0	100,000		0
1301	UT at Arlington	Determination of the Mechanism of DNA Cleavage by Ruthenium-Based Intercalators	0	180,000	60,000		120,000
1689	UT Southwestern Medical Center	NMR Methods for Deconvolution of Complex Spectra	0	80,000	80,000		0
1514	UT at Austin	Theory and Simulations of Fast Single-Molecule Dynamics	0	300,000	150,000		150,000
1275	UT Southwestern Medical Center	Ligand Binding Properties of Nematode Orphan Nuclear Receptors	100,000	0	100,000		0
1254	UT at Austin	Synthesis and Properties of Transition Metal Oxides with Unusual Valence States	0	100,000	100,000		0
1173	Baylor University	Visible Light Absorption by Esters and Formation of Organic Acids in the Atmosphere	0	0	0		0
1515	UT at Austin	A Mass-Spectrometry-Based Map of Human Protein Complexes	0	300,000	150,000		150,000
1191	UT at Austin	Synthesis, Magnetochemistry, and Superconductivity of Metals and Oxides	0	75,000	75,000		0
1174	University of North Texas	Kinetic and Product Studies of Complex-Forming Reactions in the Gas-Phase	0	180,000	60,000		120,000
1743	Rice University	Individualization of Single-Walled Carbon Nanotubes on Zeolitic Materials without the Aid of Wrapping Molecules	0	180,000	90,000		90,000
652	UT at Austin	Synthesis of Biologically Relevant Molecules	100,000	0	100,000		0
1817	UT at Austin	Structure and Function of a Nano-Scale Biological Machine	0	180,000	80,000		90,000
1323	Rice University	Terpene Biosynthesis	0	75,000	75,000		0
576	Rice University	Genetic Regulatory Proteins: Structure-Function Relationships	0	75,000	75,000		0
1744	University of Houston	The Total Synthesis of Bioactive Natural Products via Novel Strategies	0	180,000	60,000		120,000
1767	UT at Austin	Control of Protein Folding Quality in the Bacterial Periplasm	30,000	0	30,000		0
1768	University of Houston	Conjugated Benzobenzoxazole Cruciforms as Fluorescent Sensors in Solution and Solid State	30,000	0	30,000		0
794	Trinity University	Novel Approaches to the Synthesis of Aromatic Dications and Dianions	0	60,000	60,000		0
1745	UT at El Paso	Transition Metal Mediated One-Pot Three Component Synthesis of γ -Amino Acids	0	0	0		0
1666	Texas Christian University	Synthesis of Allenylphosphine Boranes: An Olefination Approach	0	0	0		0

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1791	Rice University	Novel Phases and Ground States in Valence-Fluctuating Intermetallics	120,000	0	80,000		30,000
1436	UT at Austin Texas A&M University System HSC	Chemistry of Nano-Structured Surfaces Structure of the Nuclear Pore Permeability Barrier by Super-Resolution Microscopy	0	60,000	60,000		0
1541			0	80,000	60,000		0
1836	Rice University	Novel Single-Molecule Vibrational Spectroscopies	60,000	0	60,000		0
330	Texas A&M University Texas A&M University	Nuclear Reaction Studies The Influence of Reduced Dimensionality, Disorder, and Interfaces on the Properties of Solids	0	225,000	93,750		131,250
514			75,000	0	75,000		0
1818	Rice University	Magnetic Anisotropy and Ordering in Molecular and Solid-State Magnets First-Principles Calculations and Effective Spin Theory	0	180,000	90,000		90,000
1819	Rice University	Synthesis of Biologically Active Molecules	0	180,000	90,000		90,000
1255	UT at Austin	Gap Opening by Symmetry Breaking in Graphene Systems	0	75,000	75,000		0
1222	Rice University	Theoretical Investigations of Chemical Properties of Nanosystems	0	300,000	150,000		150,000
1405	Texas A&M University	Photofragment Imaging of Atmospheric Radicals	0	180,000	75,000		105,000
1521	Baylor College of Medicine	Mechanisms of ATP Generation by CAPER	0	0	0		0
612	Rice University	Chemical Mechanisms of Ligand Binding to Heme Proteins	0	100,000	100,000		0
1542	University of North Texas	Molecular Spectroscopy and Bonding of Coordination Compounds More Outstanding Issues and New Advances	0	75,000	75,000		0
1792	Rice University	Expanding the Protein Folding Landscape Toward Biomolecular Machines	120,000	0	90,000		30,000
1561	U.I. Southwestern Medical Center	Elucidate the Biochemical Mechanism used by <i>Vibrio</i> VopQ to Induce Autophagy	100,000	0	100,000		0
1717	Texas A&M University	Highly Unsaturated Cationic Group 10 Transition Metal Pincer Complexes	75,000	0	75,000		0
546	UT at El Paso	Cu-catalyzed Group 12 Complexes	75,000	0	75,000		0
1667	Texas Tech University	Single-Molecule Investigation of Energy Transfer and Light Harvesting of Phycobiliproteins	0	0	0		0
1820	U.I. Southwestern Medical Center	Biochemical Role of IRAK-1 in Regulating Caspase-1 Activation and Cleavage	0	180,000	75,000		105,000
1688	Rice University	Physical Chemistry of Graphene Fluids	0	225,000	112,500		112,500
1769	Texas A&M University	Determination of the Mechanisms by Which Lysine Peptides Disrupt Lipid Bilayers	60,000	0	60,000		0
1257	UT Southwestern Medical Center	Enzyme-Catalyzed Hypusine Modification in the Protozoan's Pathogen <i>Trypanosoma brucei</i>	0	100,000	100,000		0
1523	Texas Tech University	New Methodologies for Accurate Quantum Calculations of the Dynamics of Atomic Nuclei	0	225,000	75,000		150,000
1821	UT Southwestern Medical Center	Therapeutic Targeting of Melanoma Antigen (MAGE) Genes	0	180,000	75,000		105,000
1279	Baylor College of Medicine	X-ray Crystallographic Studies on Viruses and Viral Proteins	75,000	0	75,000		0
1689	Rice University	Superchemistry: Quantum Control of Ultracold Molecules	0	225,000	112,500		112,500
1746	Texas A&M University	An Atomic Resolution Biochemical Approach to Structure-Function Analysis of a Ribonucleoprotein Complex-Telomerase	0	0	0		0
581	Baylor College of Medicine	Structure-Function Relationships in Proteins	75,000	0	75,000		0
1793	UT Southwestern Medical Center	Fluorescent Sensors for Measuring Cholesterol in Live Cells Study of Molecular Fluids and Macroscopic Quantum Phenomena with Optical Tweezers	120,000	0	75,000		45,000
1258			0	100,000	100,000		0
1366	UT Southwestern Medical Center	Structural Principles of Protein Robustness and Evolvability	100,000	0	100,000		0
1747	UT HSC at San Antonio	Signals for Proteasome-Mediated Protein Degradation	0	225,000	93,750		131,250
840	Texas A&M University	Enzyme Reaction Mechanisms	0	75,000	75,000		0
1525	UT at Arlington	A Density Functional Study of the Surface Electronic Behavior of Aldehyde Metals	0	225,000	75,000		150,000
1612	UT Southwestern Medical Center	Allene Ligands in Asymmetric Catalysis	0	75,000	75,000		0
1051	UT at Austin	Coherent Quantum Control of Quasibound State Structures in Atomic and Molecular Systems	0	300,000	150,000		150,000

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1691	UT at Austin	Multiscale Modeling of RNA 3D Structure	0	60,000	60,000		0
1093	University of North Texas	Synthesis and Reactivity Studies of Polynuclear Clusters	0	75,000	75,000		0
	University of Houston	Physicochemical Factors Governing Protein Inhibition of Calcium Oxalate					
1794	UT at Austin	Monohydrate Crystallization	120,000	0	60,000		60,000
1304	UT Southwestern Medical Center	NMR Methods to Study Membrane Proteins in Lipid Bilayers	0	225,000	93,750		131,250
1225	UT at Austin	Mechanism of Folate-Dependent Methylation	0	225,000	112,500		112,500
	Texas A&M University	Novel Strategies for Biocatalytic Natural Product Synthesis via β -Lactone Intermediates and New Methodologies for Asymmetric Alkylations	100,000	0	100,000		0
1280	UT at Austin	Imparting Precious Metal Properties to First Row Metals Heavy Atom Ligand	0	180,000	90,000		90,000
1544	UT Southwestern Medical Center	Phase Transitions in Multivalent Macromolecular Assembly	0	75,000	75,000		0
	UT Southwestern Medical Center	Stabilization of Active and Inactive Conformations of Oxyanion Receptors for Crystallization	30,000	0	30,000		0
1526	Texas A&M University	Magnetism and Electronic Behavior of Ge and Sn Clathrates and Related ZnII Materials	0	180,000	75,000		105,000
1176	Texas A&M University	Studies of the Structure of Gas-Phase Peptide Ions	0	0	0		0
1563	UT at Austin	Investigation of RNA Misfolding during Transcription	60,000	0	60,000		0
971	UT Southwestern Medical Center	Structure-Function in Mammalian Etherase Enzymes	0	0	0		0
1823	UT Southwestern Medical Center	Conformational Dynamics and Regulation of Dynam	0	180,000	75,000		105,000
1281	Texas A&M University System / ISC	Forces Involved in Protein Folding and Stability	60,000	0	60,000		0
	Texas A&M University	Optical Studies of Ultra Cold Molecular Ions Using Femtosecond and XUV Laser Radiation	0	60,000	60,000		0
1548	Texas A&M University	Studies in Laser and Quantum Chemistry	0	100,000	100,000		0
1261	Rice University	Physicochemical Properties of Nanoparticles at the Interface with Biological Systems	0	180,000	90,000		90,000
1824	UT HSC at San Antonio	Structural Chemistry of Viruses	0	60,000	60,000		0
784	UT at Austin	Molecular Recognition via Base-Pairing	75,000	0	75,000		0
1018	Texas A&M University	Biochemical and Regulatory Constraints of Immune Sensors	120,000	0	75,000		45,000
1795	Texas A&M University	Band-Gap Engineering for Enhanced Photoemission of Self-Assembled Au and Ag Nanoparticles Embedded in Monocrystalline Semiconductors	0	0	0		0
1671	UT at Austin	Creating 3D Cell Cultures Using Multiphoton Photolithography with Dynamic Electronic Masks	0	75,000	75,000		0
1331	UT at Dallas	Lanthanide-based CEST Agents for Molecular Imaging	0	75,000	75,000		0
584	UT M. D. Anderson Cancer Center	Molecular Mechanisms of IARIDIB PHD Fingers in Recognition of Histone Methylation	75,000	0	75,000		0
1719	UT at Austin	Quantum Size Effects on Formation and Chemical Properties of Bimetallic Alloys in Ultra-Thin Films	0	225,000	112,500		112,500
1672	UT Medical Branch at Galveston	Kinetics and Equilibrium of the SNARE Complex Assembly	30,000	0	30,000		0
1771	Rice University	Theoretical Studies of Electronic Dynamics and Transport in Carbon Nanotubes and Related Nanostructures	0	300,000	150,000		150,000
1411	UT at Austin	Syntheses of Regenerative Natural Products	0	60,000	60,000		0
1694	Rice University	Regulation of Hsp70 Catalytic Activity by the Zinc-Finger Protein DNLZ/HEP	0	60,000	60,000		0
1614	Texas A&M University	Applications of Molecular Coherence in Ultrafast Optics	0	75,000	75,000		0
1547	Texas A&M University	Dark Exciton in the Energy Transfer Process of Semiconducting Nanocrystals	60,000	0	60,000		0
1639	Baylor College of Medicine	Novel Activity of the Telomere Regulator TIN2 in the Mitochondria	0	180,000	75,000		105,000
1673	UT at Austin	Studies in Quantum Chemistry	100,000	0	100,000		0
1283	UT at Dallas	Semiconducting Liquid Crystalline Polymers	0	180,000	60,000		120,000
1740	UT at Austin	Synthesis of Mesoporous Carbon and Metal Oxide Architectures	0	225,000	112,500		112,500
1529	Texas A&M University	Identification of Antibiotic Resistance and Modifying Enzymes from Bacterial Competitive Interactions	120,000	0	75,000		45,000
1796							

The Robert A. Welch Foundation

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1070	University of Houston	A Real Space Approach to the Macromolecular Phase Problem	0	60,000	60,000		0
	UT Southwestern Medical Center	Noise-Induced Functional Differences Between Redundant Feedback Loops					
1674			45,000	0	39,111.84	5,888	0.00
1748	UT Southwestern Medical Center	Asymmetric Carbon-Carbon Bond Formation with Low Valent Iron					
		Catalysis	0	180,000	75,000		105,000
1565	Rice University	Catalytic Mechanism of Astrovirus RNA Replication	75,000	0	75,000		0
1749	UT Southwestern Medical Center	Chemistry and Enzymology of MICAL Family Oxidoreductases	0	225,000	93,750		131,250
1825	Rice University	Advanced Femtosecond Optical <i>in situ</i> Probes for Photocatalysis	0	180,000	90,000		90,000
	University of Houston	The Design and Synthesis of Azaromatic Ligands and the Study of their Metal Complexes	0	75,000	75,000		0
821							
	University of Houston	Study of Superconductivity and Related Subjects in Strongly Correlated Electron Systems	100,000	0	100,000		0
1146							
	Rice University	Application of Mid-Infrared Quantum Cascade and Diode Lasers to High-Precision Atmospheric Trace Gas Monitoring	75,000	0	75,000		0
1772	UT at San Antonio	Coordination Chemistry of Hydrogen Sulfide Relevant to Biology	30,000	0	30,000		0
1696	UT at Austin	Liquids Near Interfaces: Single-Molecule and Collective Dynamics	0	60,000	60,000		0
	Baylor College of Medicine	Structural and Mechanistic Studies of ATP-Dependent Molecular Machines					
1530			0	225,000	93,750		131,250
1797	UT Southwestern Medical Center	Selective Regulation of Autophagy by Metabolic State	120,000	0	75,000		45,000
1675	Texas Southern University	Many-Body Density Matrix Perturbation Theory	0	0	0		0
1840	Trinity University	Repeat DNA as a Multivalent Receptor	0	225,000	93,750		131,250
	UT Southwestern Medical Center	Biochemical Mechanism of the Glucose Sensing and Regulation of CREBP Activity	60,000	0	60,000		0
1720							
	UT HSC at Houston	Exosome Activation by the A1 Pase and Poly(A) Polymerase Activity of the TRAMP Complex	45,000	0	45,000		0
1773							
1774	University of Houston	Engineering Chymotrypsin to Selectively Cleave Phosphotyrosine	30,000	0	30,000		0
1750	Rice University	Achieving a Controlled Nanoscale Structure in π -Conjugated Polymers	0	0	0		0
	UT Southwestern Medical Center	Biochemical Characterization of the Lipid Toxicity Mediated by Maternal PPAR γ Deficiency					
1751			0	225,000	93,750		131,250
1798	Baylor College of Medicine	Plasmon Assisted Photocatalysis for Cancer Therapies	120,000	0	75,000		45,000
1698	Baylor College of Medicine	Regulation of GTP Homeostasis by GppGpp	0	60,000	0	60,000	0
1826	Baylor College of Medicine	Chemical Mechanisms of Coordinated Epigenetic Regulations in Cells	0	180,000	75,000		105,000
	University of Houston	The Kinetics and Conformational Changes During Peptide Translocation					
1721		Reaction in Single Ribosomes	60,000	0	60,000		0
	UT Southwestern Medical Center	Biochemical Identification of Proteases Involved in Necrotic Cell Death					
1827			0	180,000	75,000		105,000
	Texas A&M University	Streptomyces salicicidus: A Rich Treasure Trove of Unique Biosynthetic Reactions	0	180,000	75,000		105,000
1722	UT at Austin	The Physical Chemistry of Biological Interfaces	60,000	0	60,000		0
807	Rice University	Photostudies of Carbon Nanotubes	100,000	0	100,000		0
1829	UT Southwestern Medical Center	Characterization of Covalent K-Ras Inhibitors	0	180,000	75,000		105,000
1775	Texas A&M University	Non-Covalent π -Stacking Interactions in Organocatalysis	60,000	0	60,000		0
	UT Southwestern Medical Center	Analysis of the Functional Significance of Complex Protein-Protein Interactions					
1414			0	300,000	125,000		175,000
1334	UT at Austin	Structure Function Relationships in Enzymes	0	60,000	60,000		0
976	Rice University	The Chemistry of Nanomolecules	0	225,000	112,500		112,500
	UT at Austin	Characterizing Site-Specific Ligand Binding on Metal Nanoparticle Conjugates by High Resolution Far-Field Optical Microscopy	30,000	0	30,000		0
1699							
1830	UT at Austin	Programmed Self-Assembly of Nanostructures	0	180,000	90,000		90,000
1284	University of Houston	Physical Chemistry of Biomolecular Recognition	0	60,000	60,000		0
627	Rice University	Carbon Nanocapsules as MRI Contrast Agent Platforms	0	75,000	75,000		0
	Rice University	Investigating Core-Shell Bimetal Catalysis Through Nanoparticle Synthesis and Spectroscopy	0	0	0		0
1676							

The Robert A. Welch Foundation

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
1644	UT Southwestern Medical Center UT at Austin	On the Evolution of Drug-Resistant Lung Cancer Subpopulations	75,000	0	75,000		0
362		Computational Investigation of Electron Dynamics in Light Matter Interactions	100,000	0	100,000		0
1615	UT at San Antonio	Controlling the Shape and Particles Using Wet Chemistry Methods The Case of Bimimetic Nanoparticles	0	75,000	75,000		0
1590	Rice University	Science of Nearly-1D Materials: From Nanotubes to Nanowires	0	225,000	112,500		112,500
1831	UT Southwestern Medical Center	Tail-Anchored of a Critical Innate Immunity Regulator TRAM1 on the ER	0	180,000	75,000		105,000
1700	Texas A&M University	Development of New Reagents for Selective Bromination of Carbonyl Compounds	0	60,000	60,000		0
1799	UT Southwestern Medical Center	The Structural Basis of Parasite Recognition by TLR11 and TLR12	120,000	0	75,000		45,000
1832	UT Southwestern Medical Center Texas A&M University	Saturated Fatty Acid-Induced Lipotoxicity	0	180,000	75,000		105,000
770		Developments and Studies using Several Complex Scaled Multiconfigurational Methods for Electron Atom/Molecule Resonances	60,000	0	60,000		0
1833	UT at Austin	NanoCluster Beacons for Highly Specific DNA Methylation Detection	0	180,000	90,000		90,000
1266	Texas A&M University	The Equation of State for a Two-Component Nuclear System	0	75,000	75,000		0
1616	University of Houston	Structural Studies of Novel Surface Polypeptides	0	60,000	60,000		0
1592	UT Medical Branch at Galveston	Understanding Antiretroviral Drug Toxicity	0	0	0		0
1800	UT Southwestern Medical Center	Atomic Structure and Mechanism of the γ -Secretase Complex	120,000	0	75,000		45,000
1776	UT Southwestern Medical Center	Biochemical and Structural Analysis of Sister-Chromatid Cohesion	30,000	0	30,000		0
1441	UT Southwestern Medical Center	Large-Scale Isolation and Identification of Poly-ADP-Ribosylated Proteins	0	100,000	100,000		0
1617	UT at Dallas	Photochemical Reactions in Dye Sensitized Solar Cell with Biscrolled Graphene Quantum Dot Electrodes	0	75,000	75,000		0
1417	Texas A&M University	Chemical Kinetics and Mechanism of Hydrocarbon Oxidation Reactions	0	225,000	93,750		131,250
1777	Texas A&M University	Biochemical Basis of <i>Arabidopsis</i> Argonaute 10 as a Decoy for microRNAs	60,000	0	60,000		0
1778	UT at Austin	Proline Isomerization States for Phosphatase Specificity	30,000	0	30,000		0
1834	UT Southwestern Medical Center	Small Molecule Modulators of Angpt1 Receptor for Stem Cell Expansion and Leukemia Treatment	0	180,000	75,000		105,000
1724	UT Southwestern Medical Center	Biochemical Regulation of the Orphan Nuclear Receptor TLX	60,000	0	60,000		0
1702	UT Southwestern Medical Center	Autoinhibition of Plexin by a New Conformation-Mediated Dimer	0	60,000	60,000		0
1593	UT at San Antonio	Expeditions Modification of Organocatalyst Structures for Improved Stereoselectivities	0	225,000	75,000		150,000
1801	Texas A&M University	Optical Detection of Ultrafast Electron Dynamics and Electron-Initiated Chemical Processes	120,000	0	75,000		45,000
1752	Rice University	Multiple-Dimensional Optical Spectroscopy	0	225,000	112,500		112,500
1725	Texas A&M University	Efficient Carbon Capture with Functionalized Porous Polymer Networks (PPNs)	75,000	0	75,000		0
1726	UT at Austin	Energy Transfer in Artificial Molecules	75,000	0	0	75,000	0
0021	Abilene Christian Univ.	Chemistry Department Grant	35,000	0	35,000		0
0029	Angelo State Univ.	Chemistry Department Grant	35,000	0	35,000		0
0007	Austin College	Chemistry Department Grant	0	70,000	35,000		35,000
0035	Hardin-Simmons	Chemistry Department Grant	25,000	0	25,000		0
0016	Houston Baptist Univ	Chemistry Department Grant	0	70,000	35,000		35,000
0030	Jarvis Christian College	Chemistry Department Grant	20,000	0	20,000		0
0004	Lamar Univ	Chemistry Department Grant	40,000	40,000	40,000		40,000
0028	LeTourneau Univ	Chemistry Department Grant	0	50,000	25,000		25,000
0043	Lubbock Christian Univ	Chemistry Department Grant	20,000	0	20,000		0
0036	McMurry University	Chemistry Department Grant	25,000	0	25,000		0

#	Grantee	Description	Balance 8/31/2012	Total Approved	Total Paid	Cancel	Balance 8/31/2013
0001	Midwestern State Univ.	Chemistry Department Grant	30,000	0	30,000		0
0002	Our Lady of the Lake University	Chemistry Department Grant	0	30,000	15,000		15,000
0002	Prairie View A&M Univ	Chemistry Department Grant	0	70,000	35,000		35,000
0011	Sam Houston State Univ.	Chemistry Department Grant	40,000	40,000	40,000		40,000
0034	Schreiner University	Chemistry Department Grant	0	50,000	25,000		25,000
0005	Southwestern Univ.	Chemistry Department Grant	40,000	40,000	40,000		40,000
0018	St. Edward's Univ.	Chemistry Department Grant	0	70,000	35,000		35,000
0008	Stephen F. Austin State Univ	Chemistry Department Grant	0	80,000	40,000		40,000
0040	TAMU International Univ	Chemistry Department Grant	25,000	0	25,000		0
0041	TAMU Univ. Corpus Christi	Chemistry Department Grant	0	70,000	35,000		35,000
0046	TAMU-Galveston	Chemistry Department Grant	35,000	0	35,000		0
0012	Tarleton State Univ	Chemistry Department Grant	30,000	0	30,000		0
0014	Texas A&M Univ -Commerce	Chemistry Department Grant	25,000	25,000	25,000		25,000
0006	Texas A&M Univ -Kingsville	Chemistry Department Grant	30,000	30,000	30,000		30,000
0019	Texas Lutheran Univ	Chemistry Department Grant	0	50,000	25,000		25,000
0045	Texas State University	Chemistry Department Grant	0	70,000	35,000		35,000
0003	Texas Wesleyan Univ	Chemistry Department Grant	30,000	0	30,000		0
0020	Texas Woman's Univ	Chemistry Department Grant	0	70,000	35,000		35,000
0031	Trinity Univ.	Chemistry Department Grant	40,000	40,000	40,000		40,000
0015	Univ. Of Dallas	Chemistry Department Grant	30,000	30,000	30,000		30,000
0022	Univ. of Houston-Clear Lake	Chemistry Department Grant	35,000	0	35,000		0
0027	Univ. of Houston-Downtown	Chemistry Department Grant	35,000	35,000	35,000		35,000
0033	Univ. of Mary Hardin-Baylor	Chemistry Department Grant	25,000	25,000	25,000		25,000
0024	Univ. of St. Thomas	Chemistry Department Grant	35,000	35,000	35,000		35,000
0032	Univ. of the Incarnate Word	Chemistry Department Grant	35,000	35,000	35,000		35,000
0038	UT at Brownsville	Chemistry Department Grant	25,000	25,000	25,000		25,000
0037	UT at Tyler	Chemistry Department Grant	30,000	0	30,000		0
0013	UT of the Permian Basin	Chemistry Department Grant	20,000	0	20,000		0
0017	UT-Pan American	Chemistry Department Grant	0	80,000	40,000		40,000
0044	Wayland Baptist Univ	Chemistry Department Grant	25,000	0	25,000		0
0025	West Texas A&M Univ	Chemistry Department Grant	25,000	25,000	25,000		25,000
0039	Wiley College	Chemistry Department Grant	10,000	10,000	10,000		10,000
0023	Sul Ross State Univ	Chemistry Department Grant	15,000	0	15,000		0
0052	Conference	The Welch Foundation Conference on Chemical Research	0	303,237	303,237		0
0036	Hackerman Award	Norman Hackerman Award in Chemical Research	0	234,993	234,993		0
0037	Welch Award	The Welch Foundation Award in Chemistry	0	754,995	754,995		0
127	Texas Interscholastic League Foundation	Undergraduate Scholarships	1,009,750	0	194,250	61,250	754,250
0001	UT at Austin	Welch Summer Scholar Program	107,000	0	107,000		0
0029	Rice University	Texas Academy of Science, Engineering and Medicine	0	25,000	25,000		0
0040	Rice University	Center for Bioorganic Chemistry	4,000,000	0	0	4,000,000	0
Total			15,808,750	33,153,225	27,888,587	4,377,138	16,694,250
Approved and paid current year			18,040,143				
Approved for future payment			15,113,082				

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

Nominations with supporting documents should be sent to the address at the bottom of this page.

AWARD PROCEDURE

The Scientific Advisory Board of the Foundation will review all nominations that are received in the Foundation office by February 1, the established deadline for a specific award 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.

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713-961-9884 • Fax: 713-961-5168
www.welch1.org

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 2013 award, the initial appointment of the candidate as an assistant professor or equivalent must have begun no earlier than July 1, 2003.

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, 2013 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 prior to September 15.

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
DEPARTMENTAL RESEARCH GRANT GUIDELINES
EFFECTIVE JUNE 1, 2013

PURPOSE

The purpose of the grant is to support chemical research by members of the chemistry department 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 (due by July 31 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 department faculty members (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 List of publications in which faculty and/or students are the author or co-author.
Section 6A – 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 6B – 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 6C. – 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 7 – 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
 - g. 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

Taxpayer Id
76-0343128
Schedule 10

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.

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Houston, TX 77056-2730
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info@welch1.org

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)

Name

Academic Rank

Discipline

- 3 ANTICIPATED STUDENT PARTICIPANTS

- 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

(Space below is for Foundation use.)

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Taxpayer Id
76-0343128
Schedule 10

<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>
------------------	---------------------	---------------------------------	-----------------	----------------------------------	-----------------	--------------	--------------

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

06/01/2013
thru
05/31/2014

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, 2013

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 by February 1 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" paper (single-sided preferred). 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 fellowships, at a level set by the grantee institution. Appointments normally should be for 12 months, but ordinarily and initially for not less than three months.
- b. Graduate fellowships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.
- c. Undergraduate scholarships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.

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 (due by July 31 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 previously have not 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

- 1 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.
- 2 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
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info@welch1.org

Taxpayer Id
76-0343128
Schedule 10

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)

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Taxpayer Id
76-0343128
Schedule 10

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
76-0343128
Schedule C

	06/01/2013 thru 05/31/2014	06/01/2014 thru 05/31/2015	06/01/2015 thru 05/31/2016	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	Date	Investigator (Signature)	Date

Taxpayer's I.D.
76-0343128

Schedule 11

The Robert A. Welch Foundation
990PF
Year Ended August 31, 2013
Schedule of Depreciable Property

Description	Date Acquired	Cost	Accumulated Depreciation	Method/ Life	Depreciation Expense
General Depreciation					
Leaschold Improvements	1-15-96	214,954	89,706	S/L 39	5,512
Furniture and Equipment	3-01-07	8,760	6,881	S/L 7	1,251
Furniture and Equipment	10-31-08	321	161	S/L 7	46
Furniture and Equipment	3-31-10	90	32	S/L 7	13
Computer Hardware	3-01-08	23,341	21,006	S/L 5	2,335
Computer Hardware	11-05-08	563	395	S/L 5	113
Computer Hardware	3-31-10	79	40	S/L 5	16
Computer Hardware	5-28-10	111	55	S/L 5	22
Computer Hardware	8-31-11	11,304	2,544	S/L 5	2,261
Computer Software	5-28-10	276	230	S/L 3	46
		<u>259,523</u>	<u>121,050</u>		<u>11,614</u>
Listed Property					
Automobile		3,011	3,011	S/L 5	0
Automobile	6-23-07	16,701	15,331	S/L 5	<u>1,370</u>
Total Depreciation					<u><u>12,984</u></u>

See Schedule 2 for Depreciation and Depletion totals.

Form **8868**

(Rev. January 2013)

Application for Extension of Time To File an Exempt Organization Return

OMB No. 1545-1709

Department of the Treasury
Internal Revenue Service▶ **File a separate application for each return.**

- If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** and check this box ☒
- If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** (on page 2 of this form)

Do not complete Part II unless you have already been granted an automatic 3-month extension on a previously filed Form 8868

Electronic filing (e-file) You can electronically file Form 8868 if you need a 3-month automatic extension of time to file (6 months for a corporation required to file Form 990-T), or an additional (not automatic) 3-month extension of time. You can electronically file Form 8868 to request an extension of time to file any of the forms listed in Part I or Part II with the exception of Form 8870 Information Return for Transfers Associated With Certain Personal Benefit Contracts, which must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit www.irs.gov/efile and click on *e-file for Charities & Nonprofits*.

Part I Automatic 3-Month Extension of Time. Only submit original (no copies needed)A corporation required to file Form 990-T and requesting an automatic 6-month extension – check this box and complete Part I only ☐

All other corporations (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns

Enter filer's identifying number, see instructions

Type or print	Name or exempt organization or other filer, see instructions		Employer identification number (EIN) or
	The Robert A. Welch Foundation		76-0343128
	Number, street, and room or suite number. If a P.O. box, see instructions		Social security number (SSN)
	5555 San Felipe, #1900		
File by the due date for filing your return. See instructions	City, town or post office, state, and ZIP code. For a foreign address, see instructions		
	Houston		TX 77056-2730

Enter the Return code for the return that this application is for (file a separate application for each return)

04

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01	Form 990-T (corporation)	07
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720	09
Form 990-PF	04	Form 5227	10
Form 990-T (section 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

- The books are in the care of ▶ **Norbert Ditttrich**

Telephone No ▶ **(713) 961-9884** FAX No ▶ **(713) 961-5168**

- If the organization does not have an office or place of business in the United States, check this box ☐
- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____. If this is for the whole group, check this box ☐. If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for.

- I request an automatic 3-month (6 months for a corporation required to file Form 990-T) extension of time until **Apr 15**, 20 **14**, to file the exempt organization return for the organization named above. The extension is for the organization's return for
 - ▶ ☐ calendar year 20 ____ or
 - ▶ ☒ tax year beginning **Sep 1**, 20 **12**, and ending **Aug 31**, 20 **13**.

- If the tax year entered in line 1 is for less than 12 months, check reason ☐ Initial return ☐ Final return ☐ Change in accounting period

3a If this application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	3a	\$ 800,535.
b If this application is for Form 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	3b	\$ 966,281.
c Balance due. Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	3c	\$ 0.

Caution. If you are going to make an electronic fund withdrawal with this Form 8868, see Form 8453 EO and Form 8879-EO for payment instructions.

BAA For Privacy Act and Paperwork Reduction Act Notice, see instructions.

Form 8868 (Rev. 1 2013)

FIF20501 01/21/12

• If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** and check this box ☒

Note. Only complete Part II if you have already been granted an automatic 3-month extension on a previously filed Form 8868

If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** (on page 1)

Part II Additional (Not Automatic) 3-Month Extension of Time. Only file the original (no copies needed).

Enter filer's identifying number, see instructions

Type or print File by the extended due date for filing your return. See instructions	Name of exempt organization or other filer, see instructions		Employer identification number (EIN) or
	The Robert A. Welch Foundation		76-0343128
	Number, street, and room or suite number. If a P.O. box, see instructions		Social security number (SSN)
	5555 San Felipe, #1900		
	City, town or post office, state, and ZIP code. For a foreign address, see instructions		
	Houston	TX	77056-2730

Enter the Return code for the return that this application is for (file a separate application for each return)

04

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01		
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720	09
Form 990-PF	04	Form 5227	10
Form 990-T (section 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

STOP! Do not complete Part II if you were not already granted an automatic 3-month extension on a previously filed Form 8868.

The books are in care of **Norbert Dittrich**

Telephone No **(713) 961-9884** FAX No **(713) 961-5168**

• If the organization does not have an office or place of business in the United States, check this box ☐

• If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____ If this is for the whole group, check this box ☐ If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for

4 I request an additional 3-month extension of time until **Jul 15**, 20 **14**

5 For calendar year _____, or other tax year beginning **Sep 1**, 20 **12**, and ending **Aug 31**, 20 **13**

6 If the tax year entered in line 5 is for less than 12 months, check reason ☐ Initial return ☐ Final return

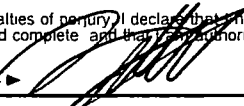
☐ Change in accounting period

7 State in detail why you need the extension **K-1's were received substantially after our fiscal year end. Additional time is needed to complete an accurate return.**

8a If this application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions	8a \$	880,642.
b If this application is for Form 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit and any amount paid previously with Form 8868	8b \$	966,281.
c Balance due. Subtract line 8b from line 8a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions	8c \$	0.

Signature and Verification must be completed for Part II only.

Under penalties of perjury, I declare that I have examined this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete, and that I am authorized to prepare this form.

Signature  Title **President**

Date **04/08/14**

BAA

FIFZ0502 01/21/13

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