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Form **990-PF**

Department of the Treasury
Internal Revenue Service

Return of Private Foundation

1705

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

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

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

OMB No 1545-0052

2016

Open to Public Inspection

For calendar year 2016 or tax year beginning 06/01 **, 2016, and ending** 05/31 **, 20**17

Name of foundation BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION		**A** Employer identification number 46-2026488
Number and street (or P O box number if mail is not delivered to street address) C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW	Room/suite	**B** Telephone number (see instructions) (202) 346-4293
City or town, state or province, country, and ZIP or foreign postal code		**C** If exemption application is pending, check here ▶

Form **990-PF** (2016)

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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 (a) Book Value	End of year (b) Book Value	(c) Fair Market Value
Assets	1	Cash - non-interest-bearing			
	2	Savings and temporary cash investments	202,178.	14,636.	14,636.
	3	Accounts receivable ▶			
		Less allowance for doubtful accounts ▶			
	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 schedule) ▶			
		Less allowance for doubtful accounts ▶			
	8	Inventories for sale or use			
	9	Prepaid expenses and deferred charges ATCH 5	11,905.	11,905.	11,905.
	10a	Investments - U S and state government obligations (attach schedule)			
	b	Investments - corporate stock (attach schedule)			
	c	Investments - corporate bonds (attach schedule)			
	11	Investments - land, buildings, and equipment basis ▶			
		Less accumulated depreciation (attach schedule) ▶			
	12	Investments - mortgage loans			
	13	Investments - other (attach schedule)			
	14	Land, buildings, and equipment basis ▶			
		Less accumulated depreciation (attach schedule) ▶			
	15	Other assets (describe ▶)			
	16	**Total assets** (to be completed by all filers - see the instructions Also, see page 1, item I)	214,083.	26,541.	26,541.
Liabilities	17	Accounts payable and accrued expenses	175,959.	409,389.	
	18	Grants payable			
	19	Deferred revenue			
	20	Loans from officers, directors, trustees, and other disqualified persons			
	21	Mortgages and other notes payable (attach schedule)			
	22	Other liabilities (describe ▶ ATCH 6)		205,947.	
	23	**Total liabilities** (add lines 17 through 22)	175,959.	615,336.	
Net Assets or Fund Balances		**Foundations that follow SFAS 117, check here** ▶ X **and complete lines 24 through 26 and lines 30 and 31.**			
	24	Unrestricted	38,123.	-588,795.	
	25	Temporarily restricted			
	26	Permanently restricted			
		Foundations that do not follow SFAS 117, check here and complete lines 27 through 31. ▶ ☐			
	27	Capital stock, trust principal, or current funds			
	28	Paid-in or capital surplus, or land, bldg , and equipment fund			
	29	Retained earnings, accumulated income, endowment, or other funds			
	30	**Total net assets or fund balances** (see instructions)	38,123.	-588,795.	
	31	**Total liabilities and net assets/fund balances** (see instructions)	214,082.	26,541.	

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	38,123.
2	Enter amount from Part I, line 27a	2	-626,918.
3	Other increases not included in line 2 (itemize) ▶	3	
4	Add lines 1, 2, and 3	4	-588,795.
5	Decreases not included in line 2 (itemize) ▶	5	
6	Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6	-588,795.

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 shs MLC Co)	(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo , day, yr)	(d) Date sold (mo , day, yr)
1 a				
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) F M V as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col (i) over col (j), if any	(l) Gains (Col (h) gain minus col (k), but not less than -0-) or Losses (from col (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

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

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

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

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

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period? ☐ Yes ☒ No
If "Yes," the foundation does not qualify under section 4940(e) Do not complete this part

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

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col (b) divided by col (c))
2015	21,898,623.	3,118,238.	7.022755
2014	23,073,093.	2,748,721.	8.394120
SHORT YEAR 2/1/14-5/31/14	0.	0.	0.000000
2013	18,000,000.	0.	0.000000
2012			

2	**Total** of line 1, column (d) . . .	2	15.416875
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	3.854219
4	Enter the net value of noncharitable-use assets for 2016 from Part X, line 5 . . .	4	1,732,206.
5	Multiply line 4 by line 3. . .	5	6,676,301.
6	Enter 1% of net investment income (1% of Part I, line 27b). . .	6	
7	Add lines 5 and 6. . .	7	6,676,301.
8	Enter qualifying distributions from Part XII, line 4. . .	8	22,401,423.

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)

1a	Exempt operating foundations described in section 4940(d)(2), check here ▶ ☐ and enter "N/A" on line 1 . . . Date of ruling or determination letter ______ (attach copy of letter if necessary - see instructions)		
b	Domestic foundations that meet the section 4940(e) requirements in Part V, check here ▶ ☒ and enter 1% of Part I, line 27b	1	0.
c	All other domestic foundations enter 2% of line 27b Exempt foreign organizations enter 4% of Part I, line 12, col (b)		
2	Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only Others enter -0-)	2	
3	Add lines 1 and 2	3	0.
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	0.
6	Credits/Payments		
a	2016 estimated tax payments and 2015 overpayment credited to 2016 — 6a		
b	Exempt foreign organizations - tax withheld at source — 6b		
c	Tax paid with application for extension of time to file (Form 8868) — 6c		
d	Backup withholding erroneously withheld — 6d		
7	Total credits and payments Add lines 6a through 6d	7	0.
8	Enter any **penalty** for underpayment of estimated tax Check here ☐ if Form 2220 is attached	8	
9	**Tax due.** If the total of lines 5 and 8 is more than line 7, enter **amount owed** ▶	9	0.
10	**Overpayment** If line 7 is more than the total of lines 5 and 8, enter the **amount overpaid** ▶	10	
11	Enter the amount of line 10 to be **Credited to 2017 estimated tax** ▶ **Refunded** ▶	11	

Part VII-A Statements Regarding Activities

			Yes	No
1a	During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?	1a		X
b	Did it spend more than $100 during the year (either directly or indirectly) for political purposes (see Instructions for the definition)?	1b		X
	*If the answer is "Yes" to **1a** or **1b**, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities*			
c	Did the foundation file **Form 1120-POL** for this year?	1c		X
d	Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year (1) On the foundation ▶ $ 0. (2) On foundation managers ▶ $ 0.			
e	Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers ▶ $ 0.			
2	Has the foundation engaged in any activities that have not previously been reported to the IRS? *If "Yes," attach a detailed description of the activities*	2		X
3	Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? *If "Yes," attach a conformed copy of the changes*	3		X
4a	Did the foundation have unrelated business gross income of $1,000 or more during the year?	4a		X
b	If "Yes," has it filed a tax return on **Form 990-T** for this year?	4b	N/A	
5	Was there a liquidation, termination, dissolution, or substantial contraction during the year? ATCH 7 *If "Yes," attach the statement required by General Instruction T*	5	X	
6	Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	6	X	
7	Did the foundation have at least $5,000 in assets at any time during the year? *If "Yes," complete Part II, col (c), and Part XV*	7	X	
8a	Enter the states to which the foundation reports or with which it is registered (see instructions) ▶ CA, DE			
b	If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by *General Instruction G? If "No," attach explanation*	8b	X	
9	Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2016 or the taxable year beginning in 2016 (see instructions for Part XIV)? *If "Yes," complete Part XIV*	9		X
10	Did any persons become substantial contributors during the tax year? *If "Yes," attach a schedule listing their names and addresses*	10		X

Part VII-A Statements Regarding Activities *(continued)*

			Yes	No
11	At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule (see instructions)	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?	13	X	

Website address ▶ WWW.BREAKTHROUGHPRIZE.ORG

14 The books are in care of ▶ JAMIE HUTCHINSON, ESQ Telephone no ▶ 202-346-4293

Located at ▶ 901 NEW YORK AVE NW WASHINGTON, DC ZIP+4 ▶ 20001

15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of **Form 1041** - Check here ▶ ☐
and enter the amount of tax-exempt interest received or accrued during the year ▶ 15 N/A

			Yes	No
16	At any time during calendar year 2016, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country?	16	X	
	See the instructions for exceptions and filing requirements for FinCEN Form 114 If "Yes," enter the name of the foreign country ▶ SWITZERLAND			

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

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

			Yes	No
1a	During the year did the foundation (either directly or indirectly)			
	(1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No			
	(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No			
	(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☒ Yes ☐ No			
	(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☒ Yes ☐ No			
	(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No			
	(6) Agree to pay money or property to a government official? (**Exception.** Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days) ☐ Yes ☒ No			
b	If any answer is "Yes" to 1a(1)-(6), did **any** of the acts fail to qualify under the exceptions described in Regulations section 53 4941(d)-3 or in a current notice regarding disaster assistance (see instructions)?	1b		X
	Organizations relying on a current notice regarding disaster assistance check here N/A ▶ ☐			
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 2016?	1c		X
2	Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5))			
a	At the end of tax year 2016, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2016? ☐ Yes ☒ No			
	If "Yes," list the years ▶ N/A , , ,			
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)	2b	N/A	
c	If the provisions of section 4942(a)(2) are being applied to **any** of the years listed in 2a, list the years here ▶ N/A , , ,			
3a	Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? ☐ Yes ☒ No			
b	If "Yes," did it have excess business holdings in 2016 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 2016)*	3b	N/A	
4a	Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a		X
b	Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2016?	4b		X

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

			Yes	No
5a	During the year did the foundation pay or incur any amount to			
	(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))? ☐ Yes ☒ No			
	(2) Influence the outcome of any specific public election (see section 4955), or to carry on, directly or indirectly, any voter registration drive? ☐ Yes ☒ No			
	(3) Provide a grant to an individual for travel, study, or other similar purposes? ☐ Yes ☒ No			
	(4) Provide a grant to an organization other than a charitable, etc, organization described in section 4945(d)(4)(A)? (see instructions) ☐ Yes ☒ No			
	(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals? ☐ Yes ☒ No			
b	If any answer is "Yes" to 5a(1)-(5), did **any** of the transactions fail to qualify under the exceptions described in Regulations section 53 4945 or in a current notice regarding disaster assistance (see instructions)?	5b	N/A	
	Organizations relying on a current notice regarding disaster assistance check here N/A ▶ ☐			
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? N/A ☐ 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 ☒ No			
b	Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?	6b		X
	If "Yes" to 6b, file Form 8870			
7a	At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction? ☐ Yes ☒ No			
b	If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?	7b	N/A	

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
ATCH 8		71,709.	0.	0.

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
NONE				

Total number of other employees paid over $50,000 ▶ 0.

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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
ATCH 9		5,970,954.
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 SEE GENERAL EXPLANATION ATTACHMENT	15,000,000.
2 SEE GENERAL EXPLANATION ATTACHMENT	6,956,754.
3	
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 NONE	
2	
All other program-related investments See instructions 3 NONE	
Total. Add lines 1 through 3 ▶	

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

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	
b	Average of monthly cash balances	1b	1,758,585.
c	Fair market value of all other assets (see instructions)	1c	
d	**Total** (add lines 1a, b, and c)	1d	1,758,585.
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	1,758,585.
4	Cash deemed held for charitable activities Enter 1 1/2 % of line 3 (for greater amount, see instructions)	4	26,379.
5	**Net value of noncharitable-use assets.** Subtract line 4 from line 3. Enter here and on Part V, line 4	5	1,732,206.
6	**Minimum investment return.** Enter 5% of line 5	6	86,610.

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	86,610.
2a	Tax on investment income for 2016 from Part VI, line 5 2a		
b	Income tax for 2016. (This does not include the tax from Part VI.) 2b		
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments Subtract line 2c from line 1	3	86,610.
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	86,610.
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	86,610.

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	22,401,423.
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	22,401,423.
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	22,401,423.

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 2015	(c) 2015	(d) 2016
1 Distributable amount for 2016 from Part XI, line 7					86,610.
2 Undistributed income, if any, as of the end of 2016					
a Enter amount for 2015 only					
b Total for prior years 20 14 ,20 13 ,20 12					
3 Excess distributions carryover, if any, to 2016					
a From 2012					
b From 2013					
c From SHORT YEAR 2014	15,000,000.				
d From 2014	17,435,657.				
e From 2015	16,243,306.				
f Total of lines 3a through e		48,678,963.			
4 Qualifying distributions for 2016 from Part XII, line 4 ▶ $ 22,401,423.					
a Applied to 2015, but not more than line 2a					
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 2016 distributable amount					86,610.
e Remaining amount distributed out of corpus		22,314,813.			
5 Excess distributions carryover applied to 2016 (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		70,993,776.			
b Prior years' undistributed income Subtract line 4b from line 2b					
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					
e Undistributed income for 2015 Subtract line 4a from line 2a Taxable amount - see instructions					
f Undistributed income for 2016 Subtract lines 4d and 5 from line 1 This amount must be distributed in 2017					
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)		5,500,000.			
8 Excess distributions carryover from 2011 not applied on line 5 or line 7 (see instructions)					
9 **Excess distributions carryover to 2017.** Subtract lines 7 and 8 from line 6a		65,493,776.			
10 Analysis of line 9					
a Excess from 2013					
b Excess SHORT YEAR 2014	15,000,000.				
c Excess from 2014	17,435,657.				
d Excess from 2015	16,243,306.				
e Excess from 2016	16,814,813.				

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9) NOT APPLICABLE

1a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2016, 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)

	Tax year	Prior 3 years			
	(a) 2016	(b) 2015	(c) 2014	(d) 2013	(e) Total
2a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed					
b 85% of line 2a					
c Qualifying distributions from Part XII, line 4 for each year listed .					
d Amounts included in line 2c not used directly for active conduct of exempt activities					
e Qualifying distributions made directly for active conduct of exempt activities Subtract line 2d from line 2c					
3 Complete 3a, b, or c for the alternative test relied upon					
a "Assets" alternative test - enter					
(1) Value of all assets. . . .					
(2) Value of assets qualifying under section 4942(j)(3)(B)(i)					
b "Endowment" alternative test- enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed . . .					
c "Support" alternative test - enter					
(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)					
(2) Support from general public and 5 or more exempt organizations as provided in section 4942 (j)(3)(B)(iii)					
(3) Largest amount of support from an exempt organization.					
(4) Gross investment income .					

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

1 Information Regarding Foundation Managers:

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

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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.

N/A

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 address of the person to whom applications should be addressed

WWW.BREAKTHROUGHPRIZE.ORG/NOMINATIONS

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

ATCH 10

c Any submission deadlines:

ATCH 11

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

ATCH 12

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*				
ATCH 13				
Total . . . . ▶ **3a**				15,000,000.
b *Approved for future payment*				
NONE				
Total . . . . ▶ **3b**				0.

Part XVI-A Analysis of Income-Producing Activities

Enter gross amounts unless otherwise indicated	Unrelated business income		Excluded by section 512, 513, or 514		(e) Related or exempt function income (See instructions.)
	(a) Business code	(b) Amount	(c) Exclusion code	(d) Amount	
1 Program service revenue					
a					
b					
c					
d					
e					
f					
g Fees and contracts from government agencies					
2 Membership dues and assessments					
3 Interest on savings and temporary cash investments			14	186.	
4 Dividends and interest from securities					
5 Net rental income or (loss) from real estate					
a Debt-financed property					
b Not debt-financed property					
6 Net rental income or (loss) from personal property					
7 Other investment income					
8 Gain or (loss) from sales of assets other than inventory					
9 Net income or (loss) from special events					
10 Gross profit or (loss) from sales of inventory					
11 Other revenue a					
b					
c					
d					
e					
12 Subtotal Add columns (b), (d), and (e)				186.	

13 Total. Add line 12, columns (b), (d), and (e) . . . 13 186.

(See worksheet in line 13 instructions to verify calculations)

Part XVI-B Relationship of Activities to the Accomplishment of Exempt Purposes

Line No. ▼	Explain below how each activity for which income is reported in column (e) of Part XVI-A contributed importantly to the accomplishment of the foundation's exempt purposes (other than by providing funds for such purposes) (See instructions.)
	N/A

Part XVII Information Regarding Transfers To and Transactions and Relationships With Noncharitable Exempt Organizations

			Yes	No
1	Did the organization directly or indirectly engage in any of the following with any other organization described in section 501(c) of the Code (other than section 501(c)(3) organizations) or in section 527, relating to political organizations?			
a	Transfers from the reporting foundation to a noncharitable exempt organization of			
	(1) Cash	1a(1)		X
	(2) Other assets	1a(2)		X
b	Other transactions			
	(1) Sales of assets to a noncharitable exempt organization	1b(1)		X
	(2) Purchases of assets from a noncharitable exempt organization	1b(2)		X
	(3) Rental of facilities, equipment, or other assets	1b(3)		X
	(4) Reimbursement arrangements	1b(4)		X
	(5) Loans or loan guarantees	1b(5)		X
	(6) Performance of services or membership or fundraising solicitations	1b(6)		X
c	Sharing of facilities equipment, mailing lists, other assets, or paid employees	1c		X

d If the answer to any of the above is "Yes," complete the following schedule Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received

(a) Line no	(b) Amount involved	(c) Name of noncharitable exempt organization	(d) Description of transfers transactions and sharing arrangements
	N/A		N/A

2a Is the foundation directly or indirectly affiliated with, or related to, one or more tax-exempt organizations described in section 501(c) of the Code (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No

b If "Yes" complete the following schedule

(a) Name of organization	(b) Type of organization	(c) Description of relationship

Sign Here

Under penalties of perjury I declare that I have examined this return including accompanying schedules and statements and to the best of my knowledge and belief it is true, correct and complete Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge

Signature of officer or trustee	Date	Title
[signature]	04/16/18	SECRETARY

May the IRS discuss this return with the preparer shown below (see instructions)? ☒ Yes ☐ No

Paid Preparer Use Only

Print/Type preparer's name	Preparer's signature	Date	Check ☐ if self-employed	PTIN
KELLI ARCHIBALD	Kelli H Archibald	04/12/18		P00180332

Firm's name ▶ ERNST & YOUNG U.S. LLP Firm's EIN ▶ 34-6565596

Firm's address ▶ 2 N CENTRAL AVE, SUITE 2300 PHOENIX, AZ 85004 Phone no 602-322-3000

JSA
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FORM 990PF - GENERAL EXPLANATION ATTACHMENT

PART IX-A, LINE 1

PRIZES: $15,000,000

THE FOUNDATION AWARDED PRIZES TO SCIENTISTS AND RESEARCHERS WHO DEMONSTRATED EXCELLENCE IN RESEARCH AIMED AT CURING INTRACTABLE DISEASES AND EXTENDING HUMAN LIFE. THE BREAKTHROUGH PRIZES IN LIFE SCIENCES WERE AWARDED TO FIVE INDIVIDUALS WHO MADE SIGNIFICANT ACCOMPLISHMENTS IN UNDERSTANDING LIVING SYSTEMS AND EXTENDING HUMAN LIFE.

PART IX-A, LINE 2

EXPENSES: $6,956,754

IN CONJUNCTION WITH THE BREAKTHROUGH PRIZE FOUNDATION, THE BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION AWARDED PRIZES AT THE ANNUAL PRIZE CEREMONY. THE CEREMONY FEATURED CELEBRITY PRESENTATIONS, FILMS, COMEDY AND LIVE MUSIC FROM MAJOR ARTISTS AND WAS TELEVISED ON NATIONAL MEDIA OUTLETS. THE INTENT OF THE CEREMONY WAS TO HELP CREATE AND STIMULATE INTEREST AND DISCOVERIES IN UNDERSTANDING LIVING SYSTEMS AND EXTENDING HUMAN LIFE, AND TO CREATE PUBLIC AWARENESS AND A SENSE OF EXCITEMENT IN THOSE FIELDS.

Schedule B
(Form 990, 990-EZ, or 990-PF)
Department of the Treasury
Internal Revenue Service

Schedule of Contributors

▶ **Attach to Form 990, Form 990-EZ, or Form 990-PF.**
▶ **Information about Schedule B (Form 990, 990-EZ, or 990-PF) and its instructions is at** ***www.irs gov/form990.***

OMB No 1545-0047

2016

Name of the organization	**Employer identification number**
BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION	46-2026488

Organization type (check one)

Filers of:	**Section:**
Form 990 or 990-EZ	☐ 501(c)( ) (enter number) organization
	☐ 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation
	☐ 527 political organization
Form 990-PF	☒ 501(c)(3) exempt private foundation
	☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation
	☐ 501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule.**
Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions

General Rule

☒ For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling $5,000 or more (in money or property) from any one contributor. Complete Parts I and II See instructions for determining a contributor's total contributions

Special Rules

☐ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3 % support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of **(1)** $5,000 or **(2)** 2% of the amount on (i) Form 990, Part VIII, line 1h, or (ii) Form 990-EZ, line 1 Complete Parts I and II

☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than $1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals Complete Parts I, II, and III

☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than $1,000 If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc , purpose Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling $5,000 or more during the year . . . . ▶ $ ______________

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990, or check the box on line H of its Form 990-EZ or on its Form 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF)

Name of organization BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION

Employer identification number 46-2026488

Part I **Contributors** (See instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1	MILNER FOUNDATION C/O CAVENDISH TRUST COMPANY LTD. 31-37 NORTH QUAY DOUGLAS MAN, ISLE OF IM1 4LB	$ 10,500,000.	Person [X] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)
2	SILICON VALLEY COMMUNITY FOUNDATION 2440 WEST EL CAMINO REAL, STE 300 MOUNTAIN VIEW, CA 94040-1498	$ 6,000,000.	Person [X] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)
3	BRIN WOJCICKI FOUNDATION 1801 PAGE MILL RD PALO ALTO, CA 94304	$ 5,500,000.	Person [X] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)
		$	Person [ ] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)
		$	Person [ ] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)
		$	Person [ ] Payroll [ ] Noncash [ ] (Complete Part II for noncash contributions.)

ATTACHMENT 1

FORM 990PF, PART I - LEGAL FEES

DESCRIPTION		REVENUE AND EXPENSES PER BOOKS	NET INVESTMENT INCOME	ADJUSTED NET INCOME	CHARITABLE PURPOSES
LEGAL FEES		69,961.			109,006.
	TOTALS	69,961.			109,006.

ATTACHMENT 2

FORM 990PF, PART I - ACCOUNTING FEES

DESCRIPTION		REVENUE AND EXPENSES PER BOOKS	NET INVESTMENT INCOME	ADJUSTED NET INCOME	CHARITABLE PURPOSES
ACCOUNTING FEES		207,333.			152,381.
	TOTALS	207,333.			152,381.

ATTACHMENT 3

FORM 990PF, PART I - OTHER PROFESSIONAL FEES

DESCRIPTION	REVENUE AND EXPENSES PER BOOKS	NET INVESTMENT INCOME	ADJUSTED NET INCOME	CHARITABLE PURPOSES
FILM PRODUCTION	3,649,986.			3,649,986.
CEREMONY ORG & PRODUCTION	2,200,794.			2,000,698.
CONSULTING	677,188.			694,452.
PUBLIC RELATIONS	280,491.			280,491.
TOTALS	6,808,459.			6,625,627.

ATTACHMENT 4

FORM 990PF, PART I - OTHER EXPENSES

DESCRIPTION	REVENUE AND EXPENSES PER BOOKS	NET INVESTMENT INCOME	CHARITABLE PURPOSES
BANK FEES	4,155.	4,155.	
OTHER BUSINESS EXPENSE	2,295.		2,295.
TOTALS	6,450.	4,155.	2,295.

ATTACHMENT 5

FORM 990PF, PART II - PREPAID EXPENSES AND DEFERRED CHARGES

DESCRIPTION	ENDING BOOK VALUE	ENDING FMV
PREPAID EXPENSES	11,905.	11,905.
TOTALS	11,905.	11,905.

ATTACHMENT 6

FORM 990PF, PART II - OTHER LIABILITIES

DESCRIPTION		ENDING BOOK VALUE
DUE TO RELATED PARTIES		205,947.
	TOTALS	205,947.

ATTACHMENT 7

FORM 990PF, PART VII-A - LIQUIDATION, TERMINATION, ETC. STATEMENT

THE FOUNDATION'S PRINCIPAL PURPOSES ARE TO AWARD PRIZES FOR OUTSTANDING ACHEIVEMENTS IN THE FIELDS OF LIFE SCIENCE, TECHNOLOGY AND EDUCATION AND TO EDUCATE THE PUBLIC IN THE FIELDS OF LIFE SCIENCES AND TECHNOLOGY. AWARDS ARE PROVIDED ANNUALLY AT A CERMEMONY TO WHICH THE FOUNDATION INCURS EXPENSES. EACH YEAR THE FOUNDATION EXPENDS A LARGE PORTION OF ITS ASSETS IN CONJUNCTION WITH THE AWARDING OF PRIZES, AND IN DOING SO, THE FOUNDATION CREATED A SUBSTANTIAL CONTRACTION IN ITS ASSETS FOR THE TAX YEAR ENDING MAY 31, 2017. THESE EXPENSES ARE MADE FROM FUNDS RECEIVED AS RESTRICTED CONTRIBUTIONS THAT WERE MADE SPECIFICALLY FOR THE PURPOSES FOR WHICH THEY WERE USED. THE FOUNDATION WILL CONTINUE TO RECEIVE CONTRIBUTIONS WHICH ARE INTENDED TO FUND THE CHARITABLE EXPENSES OF THE FOUNDATION AND IT WILL CONTINUE TO OPERATE IN THE FUTURE AS THEIR INTENTIONS REMAIN UNCHANGED.

FORM 990PF, PART VIII - LIST OF OFFICERS, DIRECTORS, AND TRUSTEES

ATTACHMENT 8

NAME AND ADDRESS	TITLE AND AVERAGE HOURS PER WEEK DEVOTED TO POSITION	COMPENSATION	CONTRIBUTIONS TO EMPLOYEE BENEFIT PLANS	EXPENSE ACCT AND OTHER ALLOWANCES
YURI MILNER C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	PRESIDENT, DIRECTOR 1.00	0.	0.	0.
JAMES HUTCHINSON C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	SECRETARY 1.00	0.	0.	0.
ANNE WOJCICKI C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	DIRECTOR 1.00	0.	0.	0.
MARK ZUCKERBERG C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	DIRECTOR 1.00	0.	0.	0.
JACK MA C/O ALIBABA GROUP 969 WEST WENYI YU HANG DISTRICT CHINA 311121	DIRECTOR 1.00	0.	0.	0.

FORM 990PF, PART VIII - LIST OF OFFICERS, DIRECTORS, AND TRUSTEES

ATTACHMENT 8 (CONT'D)

NAME AND ADDRESS	TITLE AND AVERAGE HOURS PER WEEK DEVOTED TO POSITION	COMPENSATION	CONTRIBUTIONS TO EMPLOYEE BENEFIT PLANS	EXPENSE ACCT AND OTHER ALLOWANCES
BRECK HANCOCK C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	DIRECTOR, TREASURER 1.00	0.	0.	0.
CORNELIA BARGMANN C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001	CHAIRMAN OF THE BOARD 1.00	0.	0.	0.
SIMON PETER WORDEN* C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001 *THE COMPENSATION REPORTED ABOVE IS PAID BY BREAKTHROUGH PRIZE FOUNDATION, A RELATED 501(C)(3) ORGANIZATION, THROUGH AN AGENCY AGREEMENT. BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION REIMBURSES BREAKTHROUGH PRIZE FOUNDATION ON A PERIODIC BASIS IN ACCORDANCE WITH THE AGENCY AGREEMENT.	FOUNDATION CHAIRMAN 7.00	45,816.	0.	0.
KARL JOHANSSON* C/O JAMES A. HUTCHINSON, ESQ. 901 NEW YORK AVE NW WASHINGTON, DC 20001 *THE INDIVIDUAL IDENTIFIED ABOVE WAS NOT COMPENSATED FOR HIS ROLE AS A DIRECTOR. THE INVIDIUAL INCURRED AN AVERAGE OF 5 HOURS A WEEK OF CONSULTING SERVICES IN SUPPORT OF THE FOUNDATION'S EXEMPT PURPOSES, AND THOSE SERVICES WERE UNRELATED TO HIS ROLE AS A DIRECTOR.	DIRECTOR 1.00	25,893.	0.	0.
	GRAND TOTALS	71,709.	0.	0.

990PF, PART VIII- COMPENSATION OF THE FIVE HIGHEST PAID PROFESSIONALS

ATTACHMENT 9

NAME AND ADDRESS	TYPE OF SERVICE	COMPENSATION
BREAKTHROUGH AWARDS PRODUCTIONS, INC 12400 WILSHIRE BLVD, #1275 LOS ANGELES, CA 90025	FILM PRODUCTION	3,845,385.
ADVANCED MAGAZINE PUBLISHERS 1 WORLD TRADE CTRR, FL 20 NEW YORK, NY 10007	PUBLISHING SERVICES	1,144,832.
EASTWAYS TRAVEL SERVICES LTD 1-6 YARMOUTH PLACE LONDON ENGLAND UNITED KINGDOM W1J 7BU	TRAVEL SERVICES	507,114.
RUBENSTEIN COMMUNICATIONS 1345 AVENUE OF THE AMERICAS FL 30 NEW YORK, NY 10105	COMMUNICATIONS SVCS	282,277.
FRENCH LAUNDRY PARTNERS 6640 WASHINGTON STREET YOUNTVILLE, CA 94010	CATERING SERVICES	191,346.
	TOTAL COMPENSATION	5,970,954.

ATTACHMENT 10

990PF, PART XV - FORM AND CONTENTS OF SUBMITTED APPLICATIONS

THE FOUNDATION MAKES THE CANDIDATE SUBMISSION FORM AND CRITERIA AVAILABLE ON ITS WEBSITE.

ATTACHMENT 11

990PF, PART XV - SUBMISSION DEADLINES

NOMINATION SUBMISSION DEADLINES ARE PROVIDED ON THE FOUNDATION WEBSITE. NOMINATIONS ARE GENERALLY ACCEPTED EARLY IN THE CALENDAR YEAR AND ARE ACCEPTED THROUGH LATE APRIL OR EARLY MAY.

ATTACHMENT 12

990PF, PART XV - RESTRICTIONS OR LIMITATIONS ON AWARDS

NO PRIZE GRANTED BY THE FOUNDATION SHALL HAVE ANY AGE RESTRICTIONS. ANY PRIZE OF THE FOUNDATION MAY BE RECEIVED MORE THAN ONCE. MEMBERS OF THE SELECTION COMMITTEE ARE ELIGIBLE TO BE NOMINATED TO RECEIVE THE PRIZE AND THE CONFLICT OF INTEREST POLICY WILL GOVERN THE PROCEDURES FOR SUCH NOMINEES. ANY PRIZE OF THE FOUNDATION CAN BE SHARED BY A NUMBER OF PEOPLE, INCLUDING COLLABORATIONS.

BREAKTHROUGH PRIZE IN LIFE SCIENCES FOUNDATION
EIN: 46-2026488
FYE: 05/31/2017

FORM 990PF, PART XV - GRANTS AND CONTRIBUTIONS PAID DURING THE YEAR

INDIVIDUAL PRIZE RECIPIENTS CAN BE REACHED THROUGH THE BREAKTHROUGH PRIZE FOUNDATION AT THE FOLLOWING ADDRESS:
C/O GOODWIN PROCTER LLP, 901 NEW YORK AVENUE NW, WASHINGTON, D.C. 20001.

RECIPIENT NAME	RELATIONSHIP TO SUBSTANTIAL CONTRIBUTOR	FOUNDATION STATUS OF RECIPIENT	PURPOSE OF GRANT OR CONTRIBUTION	AMOUNT
HARRY F NOLLER JR	NONE	I	2017 BREAKTHROUGH PRIZE IN LIFE SCIENCES	3,000,000
HUDA Y ZOGHBI	NONE	I	2017 BREAKTHROUGH PRIZE IN LIFE SCIENCES	3,000,000
ROELAND NUSSE	NONE	I	2017 BREAKTHROUGH PRIZE IN LIFE SCIENCES	3,000,000
STEPHEN J ELLEDGE	NONE	I	2017 BREAKTHROUGH PRIZE IN LIFE SCIENCES	3,000,000
YOSHINORI OHSUMI	NONE	I	2017 BREAKTHROUGH PRIZE IN LIFE SCIENCES	3,000,000
			TOTAL GRANTS PAID	15,000,000