

Form 990
Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax
Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)
Do not enter social security numbers on this form as it may be made public
Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No 1545-0047
2019
Open to Public Inspection

A For the 2019 calendar year, or tax year beginning 01-01-2019, and ending 12-31-2019

B Check if applicable
Address change
Name change
Initial return
Final return/terminated
Amended return
Application pending

C Name of organization
FRONTIERS IN BIOSCIENCE
Doing business as
Number and street (or P O box if mail is not delivered to street address) Room/suite
20 SUNSET COVE
City or town, state or province, country, and ZIP or foreign postal code
Newport Coast, CA 92657

D Employer identification number
59-3432665

E Telephone number
(949) 715-8286

G Gross receipts \$ 889,730

F Name and address of principal officer
SIAMAK TABIBZADEH MD
20 SUNSET COVE
Newport Coast, CA 92657

H(a) Is this a group return for subordinates? Yes No
H(b) Are all subordinates included? Yes No
If "No," attach a list (see instructions)

H(c) Group exemption number

I Tax-exempt status
501(c)(3) 501(c) () (insert no) 4947(a)(1) or 527

J Website: WWW BIOSCIENCE ORG

K Form of organization
Corporation Trust Association Other

L Year of formation

M State of legal domicile CA

Part I Summary

1 Briefly describe the organization's mission or most significant activities
FRONTIERS IN BIOSCIENCE IS AN ORGANIZATION DEDICATED TO FOSTERING SCIENCE, RESEARCH AND TEACHING FBS HAS BEEN INVOLVED IN THESE ACTIVITIES SINCE JAN1 1996 FBS HAS PUBLISHED OVER 4000 SCHOLARLY SCIENTIFIC ARTICLES IN MEDICINE AND BIOLOGY FROM WELL KNOWN SCIENTISTS FBS ALSO CARRIES RESEARCH IN UNDERSTANDING CANCER SINCE 2007 AND HAS BEEN WORKING ON AGING REVERSAL SINCE 2011 OUR RESEARCH ON CANCER IS GEARED TOWARDS UNDERSTANDING THE REASON FOR CANCER GROWTH AND RECURRENCE AS WELL AS UNDERSTANDING THE CAUSE OF DISTURBED METABOLISM (WARBURG'S EFFECT) OF CANCER CELLS SUCH AN INSIGHT IS SIGNIFICANT SINCE IT PROVIDES US WITH NEW AVENUES FOR TREATMENT OF CANCER OR CANCER CURE THE TREATMENT OF CANCER BASED, ON OUR HYPOTHESIS, IS FOUNDED ON NEW NON-CHEMOTHERAPEUTIC AND NON-RADIOTHERAPY APPROACHES WE ALSO EXAMINE THE CAUSE OF SENESCENCE, AS WELL AS APPROACHES FOR REVERSAL OR DECELERATION OF THIS PROCESS BASED ON SUCH A BACKGROUND, WE WILL EXAMINE WHETHER SENESCENCE CAN BE REVERSED OR DECELERATED IN ANI

Activities & Governance

Table with 2 columns: Description, Amount. Rows include: 2 Check this box if the organization discontinued its operations or disposed of more than 25% of its net assets; 3 Number of voting members of the governing body; 4 Number of independent voting members of the governing body; 5 Total number of individuals employed in calendar year 2019; 6 Total number of volunteers; 7a Total unrelated business revenue; 7b Net unrelated business taxable income.

Table with 3 columns: Description, Prior Year, Current Year. Rows include: 8 Contributions and grants; 9 Program service revenue; 10 Investment income; 11 Other revenue; 12 Total revenue.

Table with 3 columns: Description, Prior Year, Current Year. Rows include: 13 Grants and similar amounts paid; 14 Benefits paid to or for members; 15 Salaries, other compensation, employee benefits; 16a Professional fundraising fees; b Total fundraising expenses; 17 Other expenses; 18 Total expenses; 19 Revenue less expenses.

Table with 3 columns: Description, Beginning of Current Year, End of Year. Rows include: 20 Total assets; 21 Total liabilities; 22 Net assets or fund balances.

Part II Signature Block

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 officer) is based on all information of which preparer has any knowledge.

Sign Here
Signature of officer: *****
Date: 2020-05-14
SIAMAK TABIBZADEH MD, President & CEO

Paid Preparer Use Only
Print/Type preparer's name: AMTA AND ASSOCIATE INC
Preparer's signature
Date
Check if self-employed
PTIN: P00442384
Firm's EIN: 27-1897151
Firm's address: 400 N TUSTIN AVE STE 285, SANTA ANA, CA 92705
Phone no: (714) 288-8829

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

1 Briefly describe the organization's mission

FRONTIERS IN BIOSCIENCE IS AN ORGANIZATION DEDICATED TO FOSTERING SCIENCE,RESEARCH AND TEACHING FBS HAS BEEN INVOLVED IN THESE ACTIVITIES SINCE JAN1 1996 FBS HAS PUBLISHED OVER 4000 SCHOLARLY SCIENTIFIC ARTICLES INMEDICINE AND BIOLOGY FROM WELL KNOWN SCIENTISTS FBS ALSO CARRIES RESEARCH IN UNDERSTANDING CANCER SINCE 2007 AND HAS BEENWORKING ON AGING REVERSAL SINCE 2011 OUR RESEARCH ON CANCER IS GEARED TOWARDS UNDERSTANDING THE REASON FORCANCER GROWTH AND RECURRENCE AS WELL AS UNDERSTANDING THE CAUSE OFDISTURBED METABOLISM (WARBURG'S EFFECT) OF CANCER CELLS SUCH AN INSIGHT ISSIGNIFICANT SINCE IT PROVIDES US WITH NEW AVENUES FOR TREATMENT OF CANCEROR CANCER CURE THE TREATMENT OF CANCER BASED, ON OUR HYPOTHESIS, ISFOUNDED ON NEW NON-CHEMOTHERAPEUTIC AND NON-RADIOTHERPAY APPROACHES WEALSO EXAMINE THE CAUSE OF SENESCENCE, AS WELL AS APPROACHES FOR REVERSAL ORDECELERATION OF THIS PROCESS BASED ON SUCH A BACKGROUND, WE WILL EXAMINEWHETHER SENESCENCE CAN BE REVERSED OR DECELARATED IN ANI

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

Yes No

If "Yes," describe these new services on Schedule O

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services?

Yes No

If "Yes," describe these changes on Schedule O

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported

4a (Code) (Expenses \$ 366,687 including grants of \$ 705,853) (Revenue \$)
See Additional Data

4b (Code) (Expenses \$ including grants of \$) (Revenue \$)

4c (Code) (Expenses \$ including grants of \$) (Revenue \$)

4d Other program services (Describe in Schedule O)
(Expenses \$ including grants of \$) (Revenue \$)

4e Total program service expenses ▶ 366,687

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A	Yes	
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)?		No
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I		No
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II		No
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III		No
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I		No
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II		No
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III		No
9 Did the organization report an amount in Part X, line 21 for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV		No
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi endowments? If "Yes," complete Schedule D, Part V		No
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI	Yes	
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII		No
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII		No
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX		No
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X	Yes	
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X		No
12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII		No
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional		No
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E		No
14a Did the organization maintain an office, employees, or agents outside of the United States?		No
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV		No
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV		No
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV		No
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)		No
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II		No
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III		No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H		No
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II		No

Part IV Checklist of Required Schedules (continued)

Table with 3 columns: Question ID, Question Text, and Yes/No columns. Rows include questions 22 through 38 regarding organizational reporting and compliance.

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V []

Table with 3 columns: Question ID, Question Text, and Yes/No columns. Rows include questions 1a, 1b, and 1c regarding IRS filings and gaming.

Part V Statements Regarding Other IRS Filings and Tax Compliance (continued)

Main form area containing questions 2a through 16, with various sub-questions and input fields for Yes/No/Amount.

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O See instructions Check if Schedule O contains a response or note to any line in this Part VI



Section A. Governing Body and Management

Table with 3 columns: Question, Yes, No. Rows include: 1a (Voting members), 1b (Independent members), 2 (Family/Business relationships), 3 (Delegation of control), 4 (Significant changes), 5 (Asset diversion), 6 (Members/stockholders), 7a (Election/appointment), 7b (Governance decisions), 8a/b (Meeting documentation), 9 (Officer reachability).

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

Table with 3 columns: Question, Yes, No. Rows include: 10a/b (Local chapters/policies), 11a/b (Form 990 distribution), 12a/b/c (Conflict of interest policy), 13 (Whistleblower policy), 14 (Document retention), 15a/b (Compensation review), 16a/b (Joint venture arrangements).

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed
18 Section 6104 requires an organization to make its Form 1023 (or 1024-A if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection
19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year
20 State the name, address, and telephone number of the person who possesses the organization's books and records

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII

		(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
Contributions, Gifts, Grants and Other Similar Amounts	1a Federated campaigns	1a			
	b Membership dues	1b			
	c Fundraising events	1c			
	d Related organizations	1d			
	e Government grants (contributions)	1e			
	f All other contributions, gifts, grants, and similar amounts not included above	1f			
	g Noncash contributions included in lines 1a - 1f \$	1g			
h Total. Add lines 1a-1f		0			

Program Service Revenue	Business Code		(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
2a SUBSCRIPTION FEES	541700		707,085	707,085		
b						
c						
d						
e						
f All other program service revenue						
g Total. Add lines 2a-2f.			707,085			

Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)			52,883	52,505		378	
	4 Income from investment of tax-exempt bond proceeds			0				
	5 Royalties			0				
	6a Gross rents	6a	(i) Real					
			(ii) Personal					
				119,045				
	b Less rental expenses	6b			224,180			
	c Rental income or (loss)	6c			-105,135			
	d Net rental income or (loss)				-105,135		-105,135	
	7a Gross amount from sales of assets other than inventory	7a	(i) Securities					
			(ii) Other					
	b Less cost or other basis and sales expenses	7b						
c Gain or (loss)	7c							
d Net gain or (loss)				0				
8a Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c) See Part IV, line 18	8a							
b Less direct expenses	8b							
c Net income or (loss) from fundraising events				0				
9a Gross income from gaming activities See Part IV, line 19	9a							
b Less direct expenses	9b							
c Net income or (loss) from gaming activities				0				
10a Gross sales of inventory, less returns and allowances	10a							
b Less cost of goods sold	10b							
c Net income or (loss) from sales of inventory				0				
Miscellaneous Revenue	Business Code							
11a Property Tax Refund								
b Unrealized Gain or Loss	900099			10,717	10,717			
c								
d All other revenue								
e Total. Add lines 11a-11d				10,717				
12 Total revenue. See instructions				665,550	770,307	-105,135	378	

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	0			
2 Grants and other assistance to domestic individuals. See Part IV, line 22	0			
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	0			
4 Benefits paid to or for members	0			
5 Compensation of current officers, directors, trustees, and key employees	88,000	70,400	8,800	8,800
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0			
7 Other salaries and wages	140,417	140,417		
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	0			
9 Other employee benefits	0			
10 Payroll taxes	17,753	16,345	704	704
11 Fees for services (non-employees)				
a Management	0			
b Legal	0			
c Accounting	3,545		3,545	
d Lobbying	0			
e Professional fundraising services. See Part IV, line 17	0			
f Investment management fees	0			
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	34,875	34,875		
12 Advertising and promotion	0			
13 Office expenses	4,833	3,625	1,208	
14 Information technology	1,164	1,164		
15 Royalties	0			
16 Occupancy	0			
17 Travel	4,790	4,790		
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	51	51		
19 Conferences, conventions, and meetings	0			
20 Interest	30		30	
21 Payments to affiliates	0			
22 Depreciation, depletion, and amortization	54,504	12,968	41,536	
23 Insurance	11,692	11,692		
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a Lab Supplies	40,977	40,977		
b State Tax	19,473		19,473	
c Merchant Fees	13,511	13,511		
d Utilities	9,057		9,057	
e All other expenses	19,915	15,872	4,043	
25 Total functional expenses. Add lines 1 through 24e	464,587	366,687	88,396	9,504
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part IX

		(A) Beginning of year		(B) End of year	
Assets	1 Cash—non-interest-bearing	3,280,729	1	3,546,851	
	2 Savings and temporary cash investments		2	0	
	3 Pledges and grants receivable, net		3	0	
	4 Accounts receivable, net		4	0	
	5 Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons		5	0	
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B)		6	0	
	7 Notes and loans receivable, net		7	0	
	8 Inventories for sale or use		8	0	
	9 Prepaid expenses and deferred charges		9	0	
	10a Land, buildings, and equipment—cost or other basis—Complete Part VI of Schedule D	10a 5,658,139			
	b Less accumulated depreciation	10b 883,200	4,867,196	10c	4,774,939
	11 Investments—publicly traded securities	4,660	11	4,660	
	12 Investments—other securities—See Part IV, line 11		12	0	
	13 Investments—program-related—See Part IV, line 11		13	0	
	14 Intangible assets		14	0	
	15 Other assets—See Part IV, line 11		15	2,746	
16 Total assets. Add lines 1 through 15 (must equal line 34)		8,152,585	16	8,329,196	
Liabilities	17 Accounts payable and accrued expenses	2,297	17		
	18 Grants payable		18		
	19 Deferred revenue		19		
	20 Tax-exempt bond liabilities		20		
	21 Escrow or custodial account liability—Complete Part IV of Schedule D		21		
	22 Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons		22		
	23 Secured mortgages and notes payable to unrelated third parties	11,953	23	11,953	
	24 Unsecured notes and loans payable to unrelated third parties		24		
25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17 - 24)—Complete Part X of Schedule D	16,890	25	16,890		
26 Total liabilities. Add lines 17 through 25		31,140	26	28,843	
Net Assets or Fund Balances	Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.				
	27 Net assets without donor restrictions	8,121,445	27	8,300,353	
	28 Net assets with donor restrictions		28		
	Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> and complete lines 29 through 33.				
	29 Capital stock or trust principal, or current funds		29		
	30 Paid-in or capital surplus, or land, building or equipment fund		30		
	31 Retained earnings, endowment, accumulated income, or other funds		31		
32 Total net assets or fund balances		8,121,445	32	8,300,353	
33 Total liabilities and net assets/fund balances		8,152,585	33	8,329,196	

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	665,550
2	Total expenses (must equal Part IX, column (A), line 25)	2	464,587
3	Revenue less expenses Subtract line 2 from line 1	3	200,963
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	8,121,445
5	Net unrealized gains (losses) on investments	5	
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	-22,055
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	8,300,353

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

- 1** Accounting method used to prepare the Form 990 Cash Accrual Other _____
If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O
- 2a** Were the organization's financial statements compiled or reviewed by an independent accountant?
If 'Yes,' check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both
 Separate basis Consolidated basis Both consolidated and separate basis
- b** Were the organization's financial statements audited by an independent accountant?
If 'Yes,' check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both
 Separate basis Consolidated basis Both consolidated and separate basis
- c** If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?
If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O
- 3a** As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?
- b** If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits

	Yes	No
2a		No
2b		No
2c		
3a		No
3b		

Additional Data

Software ID: 19009920
Software Version: 2019v5.0
EIN: 59-3432665
Name: FRONTIERS IN BIOSCIENCE

Form 990 (2019)

Form 990, Part III, Line 4a:

FRONTIERS IN BIOSCIENCE IS AN ORGANIZATION DEDICATED TO FOSTERING SCIENCE, RESEARCH AND TEACHING. FBS HAS BEEN INVOLVED IN THESE ACTIVITIES SINCE JAN 1 1996. FBS HAS PUBLISHED OVER 4000 SCHOLARLY SCIENTIFIC ARTICLES IN MEDICINE AND BIOLOGY FROM WELL KNOWN SCIENTISTS. FBS ALSO CARRIES RESEARCH IN UNDERSTANDING CANCER SINCE 2007 AND HAS BEEN WORKING ON AGING REVERSALS SINCE 2011. OUR RESEARCH ON CANCER IS GEARED TOWARDS UNDERSTANDING THE REASON FOR CANCER GROWTH AND RECURRENCE AS WELL AS UNDERSTANDING THE CAUSE OF DISTURBED METABOLISM (WARBURG'S EFFECT) OF CANCER CELLS. SUCH AN INSIGHT IS SIGNIFICANT SINCE IT PROVIDES US WITH NEW AVENUES FOR TREATMENT OF CANCER OR CANCER CURE. THE TREATMENT OF CANCER BASED, ON OUR HYPOTHESIS, IS FOUNDED ON NEW NON-CHEMOTHERAPEUTIC AND NON-RADIOTHERAPY APPROACHES. WE ALSO EXAMINE THE CAUSE OF SENESCENCE, AS WELL AS APPROACHES FOR REVERSAL OR DECELERATION OF THIS PROCESS. BASED ON SUCH A BACKGROUND, WE WILL EXAMINE WHETHER SENESCENCE CAN BE REVERSED OR DECELERATED IN ANIMAL MODELS BEFORE THEY CAN BE ADOPTED IN HUMANS. WE WILL USE STEM CELLS AS WELL AS SIGNALING MOLECULES TO ACHIEVE SUCH THERAPEUTIC END. WE HOPE THAT OUR FINDINGS WILL HELP HUMANITY IN A GRAND SCALE.

SCHEDULE A
 (Form 990 or 990-EZ)

Public Charity Status and Public Support
 Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
 Attach to Form 990 or Form 990-EZ.
 Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No 1545-0047
2019
Open to Public Inspection

Department of the Treasury
 Internal Revenue Service
Name of the organization
 FRONTIERS IN BIOSCIENCE

Employer identification number
 59-3432665

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is (For lines 1 through 12, check only one box)

- 1 A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2 A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E (Form 990 or 990-EZ))
- 3 A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**
- 4 A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii).** Enter the hospital's name, city, and state
- 5 An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv).** (Complete Part II)
- 6 A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**
- 7 An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II)
- 8 A community trust described in **section 170(b)(1)(A)(vi)** (Complete Part II)
- 9 An agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture See instructions Enter the name, city, and state of the college or university
- 10 An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See **section 509(a)(2).** (Complete Part III)
- 11 An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**
- 12 An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2).** See **section 509(a)(3).** Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g
 - a **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization **You must complete Part IV, Sections A and B.**
 - b **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s) **You must complete Part IV, Sections A and C.**
 - c **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions) **You must complete Part IV, Sections A, D, and E.**
 - d **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions) **You must complete Part IV, Sections A and D, and Part V.**
 - e Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization
 - f Enter the number of supported organizations _____
 - g Provide the following information about the supported organization(s)

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
Total						

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)

(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization failed to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grant.")						
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge						
4 Total. Add lines 1 through 3						
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						
6 Public support. Subtract line 5 from line 4						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
7 Amounts from line 4						
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
11 Total support. Add lines 7 through 10						

12 Gross receipts from related activities, etc (see instructions) **12**

13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

14 Public support percentage for 2019 (line 6, column (f) divided by line 11, column (f)) **14**

15 Public support percentage for 2018 Schedule A, Part II, line 14 **15**

16a 33 1/3% support test—2019. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶

b 33 1/3% support test—2018. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶

17a 10%-facts-and-circumstances test—2019. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶

b 10%-facts-and-circumstances test—2018. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶

18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions ▶

Part III Support Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►		(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1	Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.")						0
2	Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						0
3	Gross receipts from activities that are not an unrelated trade or business under section 513						0
4	Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						0
5	The value of services or facilities furnished by a governmental unit to the organization without charge						0
6	Total. Add lines 1 through 5						
7a	Amounts included on lines 1, 2, and 3 received from disqualified persons						0
b	Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						0
c	Add lines 7a and 7b						
8	Public support. (Subtract line 7c from line 6)						0

Section B. Total Support

Calendar year (or fiscal year beginning in) ►		(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
9	Amounts from line 6						
10a	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						0
b	Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						0
c	Add lines 10a and 10b						
11	Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						0
12	Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						0
13	Total support. (Add lines 9, 10c, 11, and 12.)						

14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

15	Public support percentage for 2019 (line 8, column (f) divided by line 13, column (f))	15	0 %
16	Public support percentage from 2018 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17	Investment income percentage for 2019 (line 10c, column (f) divided by line 13, column (f))	17	0 %
18	Investment income percentage from 2018 Schedule A, Part III, line 17	18	

19a 33 1/3% support tests—2019. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization

b 33 1/3% support tests—2018. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization

20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions

Part IV Supporting Organizations

(Complete only if you checked a box on line 12 of Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

		Yes	No
1	Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
	1		
2	Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
	2		
3a	Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
	3a		
b	Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
	3b		
c	Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
	3c		
4a	Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes" and if you checked 12a or 12b in Part I, answer (b) and (c) below.</i>		
	4a		
b	Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.</i>		
	4b		
c	Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? <i>If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.</i>		
	4c		
5a	Did the organization add, substitute, or remove any supported organizations during the tax year? <i>If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed, (ii) the reasons for each such action, (iii) the authority under the organization's organizing document authorizing such action, and (iv) how the action was accomplished (such as by amendment to the organizing document).</i>		
	5a		
b	Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
	5b		
c	Substitutions only. Was the substitution the result of an event beyond the organization's control?		
	5c		
6	Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
	6		
7	Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
	7		
8	Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
	8		
9a	Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		
	9a		
b	Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		
	9b		
c	Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		
	9c		
10a	Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer line 10b below.</i>		
	10a		
b	Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)</i>		
	10b		

Part IV Supporting Organizations (continued)

		Yes	No
11	Has the organization accepted a gift or contribution from any of the following persons?		
a	A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?		
b	A family member of a person described in (a) above?		
c	A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI</i>		
		11a	
		11b	
		11c	

Section B. Type I Supporting Organizations

		Yes	No
1	Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>		
		1	
2	Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization.</i>		
		2	

Section C. Type II Supporting Organizations

		Yes	No
1	Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>		
		1	

Section D. All Type III Supporting Organizations

		Yes	No
1	Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
		1	
2	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization (s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>		
		2	
3	By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>		
		3	

Section E. Type III Functionally-Integrated Supporting Organizations

1	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions)		
a	<input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
b	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
c	<input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
2	Activities Test Answer (a) and (b) below.		
a	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>	Yes	No
		2a	
b	Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>		
		2b	
3	Parent of Supported Organizations Answer (a) and (b) below.		
a	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>		
		3a	
b	Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>		
		3b	

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

- 1** Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI) **See instructions.** All other Type III non-functionally integrated supporting organizations must complete Sections A through E

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6 and 7 from line 4)	8	
Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year)	1	
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (explain in detail in Part VI)		
2	Acquisition indebtedness applicable to non-exempt use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	
Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	
7	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI) See instructions	
7 Total annual distributions. Add lines 1 through 6	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI) See instructions	
9 Distributable amount for 2019 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2019	(iii) Distributable Amount for 2019
1 Distributable amount for 2019 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2019 (reasonable cause required-- explain in Part VI) See instructions			
3 Excess distributions carryover, if any, to 2019			
a From 2014.			
b From 2015.			
c From 2016.			
d From 2017.			
e From 2018.			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2019 distributable amount			
i Carryover from 2014 not applied (see instructions)			
j Remainder Subtract lines 3g, 3h, and 3i from 3f			
4 Distributions for 2019 from Section D, line 7			
\$			
a Applied to underdistributions of prior years			
b Applied to 2019 distributable amount			
c Remainder Subtract lines 4a and 4b from 4			
5 Remaining underdistributions for years prior to 2019, if any Subtract lines 3g and 4a from line 2 If the amount is greater than zero, explain in Part VI See instructions			
6 Remaining underdistributions for 2019 Subtract lines 3h and 4b from line 1 If the amount is greater than zero, explain in Part VI See instructions			
7 Excess distributions carryover to 2020. Add lines 3j and 4c			
8 Breakdown of line 7			
a Excess from 2015.			
b Excess from 2016.			
c Excess from 2017.			
d Excess from 2018.			
e Excess from 2019.			

Additional Data

Software ID: 19009920

Software Version: 2019v5.0

EIN: 59-3432665

Name: FRONTIERS IN BIOSCIENCE

Part VI Supplemental Information. Provide the explanations required by Part II, line 10, Part II, line 17a or 17b, Part III, line 12, Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c, Part IV, Section B, lines 1 and 2, Part IV, Section C, line 1, Part IV, Section D, lines 2 and 3, Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b, Part V, line 1, Part V, Section B, line 1e, Part V Section D, lines 5, 6, and 8, and Part V, Section E, lines 2, 5, and 6 Also complete this part for any additional information (See instructions)

Facts And Circumstances Test

SCHEDULE D
(Form 990)

Supplemental Financial Statements

OMB No 1545-0047

2019

Open to Public Inspection

▶ Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Department of the Treasury
Internal Revenue Service

Name of the organization
FRONTIERS IN BIOSCIENCE

Employer identification number
59-3432665

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts.
Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate value of contributions to (during year)		
3 Aggregate value of grants from (during year)		
4 Aggregate value at end of year		

- 5** Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? Yes No
- 6** Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? Yes No

Part II Conservation Easements.
Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

- 1** Purpose(s) of conservation easements held by the organization (check all that apply)
- Preservation of land for public use (e.g., recreation or education) Preservation of an historically important land area
- Protection of natural habitat Preservation of a certified historic structure
- Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year

	Held at the End of the Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register	2d

- 3** Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶ _____
- 4** Number of states where property subject to conservation easement is located ▶ _____
- 5** Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? Yes No
- 6** Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ _____
- 7** Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ \$ _____
- 8** Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? Yes No
- 9** In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.
Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

- 1a** If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items
- b** If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items
- (i) Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____
- (ii) Assets included in Form 990, Part X ▶ \$ _____
- 2** If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items
- a** Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____
- b** Assets included in Form 990, Part X ▶ \$ _____

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets *(continued)*

- 3** Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply)
- a** Public exhibition
 - b** Scholarly research
 - c** Preservation for future generations
 - d** Loan or exchange programs
 - e** Other
- 4** Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII
- 5** During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? Yes No

Part IV Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a** Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? Yes No
- b** If "Yes," explain the arrangement in Part XIII and complete the following table
- | | Amount |
|--|--------|
| c Beginning balance | |
| d Additions during the year | |
| e Distributions during the year | |
| f Ending balance | |
- 2a** Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? . . . Yes No
- b** If "Yes," explain the arrangement in Part XIII Check here if the explanation has been provided in Part XIII

Part V Endowment Funds.

Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance					
b Contributions					
c Net investment earnings, gains, and losses					
d Grants or scholarships					
e Other expenditures for facilities and programs					
f Administrative expenses					
g End of year balance					

- 2** Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as
- a** Board designated or quasi-endowment ▶
 - b** Permanent endowment ▶
 - c** Temporarily restricted endowment ▶
- The percentages on lines 2a, 2b, and 2c should equal 100%

- 3a** Are there endowment funds not in the possession of the organization that are held and administered for the organization by
- | | Yes | No |
|--|---------------|----|
| (i) unrelated organizations | 3a(i) | |
| (ii) related organizations | 3a(ii) | |
| b If "Yes" on 3a(ii), are the related organizations listed as required on Schedule R? | 3b | |

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land		2,904,098		2,904,098
b Buildings		1,975,175	366,939	1,608,236
c Leasehold improvements		366,694	131,980	234,714
d Equipment		347,283	322,199	25,084
e Other		64,889	62,082	2,807
Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c)) . . . ▶				4,774,939

Part VII Investments—Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other _____		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 12)		

Part VIII Investments—Program Related.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 13)		

Part IX Other Assets.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d. See Form 990, Part X, line 15

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 15)	

Part X Other Liabilities.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 25)	16,890

2. Liability for uncertain tax positions In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740) Check here if the text of the footnote has been provided in Part XIII

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements		1	
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12			
a	Net unrealized gains (losses) on investments	2a		
b	Donated services and use of facilities	2b		
c	Recoveries of prior year grants	2c		
d	Other (Describe in Part XIII)	2d		
e	Add lines 2a through 2d		2e	
3	Subtract line 2e from line 1		3	
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII)	4b		
c	Add lines 4a and 4b		4c	
5	Total revenue Add lines 3 and 4c . (This must equal Form 990, Part I, line 12)		5	

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements		1	
2	Amounts included on line 1 but not on Form 990, Part IX, line 25			
a	Donated services and use of facilities	2a		
b	Prior year adjustments	2b		
c	Other losses	2c		
d	Other (Describe in Part XIII)	2d		
e	Add lines 2a through 2d		2e	
3	Subtract line 2e from line 1		3	
4	Amounts included on Form 990, Part IX, line 25, but not on line 1 :			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII)	4b		
c	Add lines 4a and 4b		4c	
5	Total expenses Add lines 3 and 4c . (This must equal Form 990, Part I, line 18)		5	

Part XIII Supplemental Information

Provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b and 2b, Part V, line 4, Part X, line 2, Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b Also complete this part to provide any additional information

Return Reference	Explanation	
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Part XIII **Supplemental Information (continued)**

Return Reference	Explanation
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SCHEDULE O
(Form 990 or 990-EZ)**Supplemental Information to Form 990 or 990-EZ**

Complete to provide information for responses to specific questions on Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

▶ Go to www.irs.gov/Form990 for the latest information.

2019**Open to Public Inspection**

Department of the Treasury

Name of the organization
FRONTIERS IN BIOSCIENCE

Employer identification number

59-3432665

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 11b Form 990 Review Process	No review was or will be conducted

990 Schedule O, Supplemental Information

Return Reference	Explanation
Form 990, Part VI, Line 19 Other Organization Documents Publicly Available	No documents available to the public

990 Schedule O, Supplemental Information

Return Reference	Explanation
Other Changes In Net Assets Or Fund Balances - Other Decreases	Federal Tax = -\$22059

990 Schedule O, Supplemental Information

Return Reference	Explanation
Other Changes In Net Assets Or Fund Balances - Other Increases	Rounding = \$4