DLN: 93493319202529 OMB No 1545-0047 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 Open to Public Department of the ▶ Go to www.irs.gov/Form990 for instructions and the latest information. Inspection Internal Revenue Service For the 2019 calendar year, or tax year beginning 01-01-2018 , and ending 12-31-2018 D Employer identification number B Check if applicable J CRAIG VENTER INSTITUTE ☐ Address change 52-1842938 ☐ Name change Doing business as ☐ Initial return ☐ Final return/terminate E Telephone number Number and street (or P O box if mail is not delivered to street address) Room/suite 4120 CAPRICORN LANE ☐ Amended return ☐ Application pending (858) 200-1800 City or town, state or province, country, and ZIP or foreign postal code LA JOLLA, CA $\,\,$ 92037 $\,$ G Gross receipts \$ 110,673,474 Name and address of principal officer H(a) Is this a group return for JOHN CRAIG VENTER □Yes ☑No subordinates? 4120 CAPRICORN LANE H(b) Are all subordinates LA JOLLA, CA 92037 ☐ Yes ☐No included? Tax-exempt status **✓** 501(c)(3) 4947(a)(1) or If "No," attach a list (see instructions) 501(c) () **◀** (insert no) **H(c)** Group exemption number ▶ Website: ► WWW JCVI ORG L Year of formation 1993 M State of legal domicile K Form of organization ☑ Corporation ☐ Trust ☐ Association ☐ Other ▶ Summary 1 Briefly describe the organization's mission or most significant activities A NON-PROFIT RESEARCH INSTITUTE DEDICATED TO THE ADVANCEMENT OF THE SCIENCE OF GENOMICS, UNDERSTANDING THE IMPLICATIONS FOR SOCIETY, AND COMMUNICATION OF RESULTS TO SCIENTIFIC COMMUNITIES, THE PUBLIC, AND POLICYMAKERS Activities & Governance Check this box ▶ ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets Number of voting members of the governing body (Part VI, line 1a) . . . 10 4 Number of independent voting members of the governing body (Part VI, line 1b) 225 5 Total number of individuals employed in calendar year 2018 (Part V, line 2a) Total number of volunteers (estimate if necessary) . . . 7a Total unrelated business revenue from Part VIII, column (C), line 12 7a 33,254 b Net unrelated business taxable income from Form 990-T, line 34 7b 2,306 **Prior Year Current Year** 20,421,917 30,012,027 8 Contributions and grants (Part VIII, line 1h) . . 9 Program service revenue (Part VIII, line 2g) . . 16,234 1,188,068 10 Investment income (Part VIII, column (A), lines 3, 4, and 7d) . . 2,830,998 13,969,741 23,724 11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) 33,254 23,292,873 45,203,090 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12) Grants and similar amounts paid (Part IX, column (A), lines 1-3). 1,492,998 2,164,870 14 Benefits paid to or for members (Part IX, column (A), line 4) . Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10) 18,904,834 22,035,831 Expenses 16a Professional fundraising fees (Part IX, column (A), line 11e) . b Total fundraising expenses (Part IX, column (D), line 25) ▶304,484 Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e) . 11,880,775 14,610,802 18 Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25) 32,278,607 38,811,503 -8,985,734 19 Revenue less expenses Subtract line 18 from line 12 . 6,391,587 Net Assets or Fund Balances **Beginning of Current Year End of Year** 20 Total assets (Part X, line 16) . 131,946,762 117,806,544 35,083,973 21 Total liabilities (Part X, line 26) . 34,866,745 22 Net assets or fund balances Subtract line 21 from line 20 . 97,080,017 82.722.571 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 2019-11-15 Signature of officer Sign Here JOHN CRAIG VENTER CHAIRMAN AND CEO Type or print name and title Date Print/Type preparer's name Preparer's signature Check I If P00188643 Paid self-employed Firm's name MOSS ADAMS LLP Firm's EIN ▶ 91-0189318 Preparer Use Only Firm's address ▶ 4747 EXECUTIVE DR SUITE 1300 Phone no (858) 627-1400 SAN DIEGO, CA 92121 ☑ Yes ☐ No May the IRS discuss this return with the preparer shown above? (see instructions) . For Paperwork Reduction Act Notice, see the separate instructions. Form 990 (2018) Cat No 11282Y

Part IV Checklist of Required Schedules Yes No Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Yes 1 2 Yes Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? 💆 . . . Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates No 3 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? 4 No 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? 5 No 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? No 6 Did the organization receive or hold a conservation easement, including easements to preserve open space, No 7 the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II 🕏 . . . Did the organization maintain collections of works of art, historical treasures, or other similar assets? Yes R 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 Nο 9 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, 10 Nο permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V 👺 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VIII, VIII, IX, or X as applicable a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? Yes 11a Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total Nο 11h assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII 🕏 Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its Nο 11c total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII 🕏 Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported Nο 11d e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X 🔧 11e Yes Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses 11f Yes the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X 🕏 12a Did the organization obtain separate, independent audited financial statements for the tax year? 12a Yes b Was the organization included in consolidated, independent audited financial statements for the tax year? **12**b Nο If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional 🕏 Is the organization a school described in section 170(b)(1)(A)(u)? If "Yes," complete Schedule E 13 Nο 14a Did the organization maintain an office, employees, or agents outside of the United States? 14a Nο **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 14b Yes valued at \$100,000 or more? *If "Yes," complete Schedule F, Parts I and IV* Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any Yes 15 foreign organization? If "Yes," complete Schedule F, Parts II and IV 💆 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to Nο 16 or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV . . . Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, No 17 column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I(see instructions) Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, 18 No Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," 19 Nο **20a** Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H . . . 20a No b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return? 20b Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic Yes 21 government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, No column (A), line 2? If "Yes," complete Schedule I, Parts I and III

rm '	990 (2018)			Page
Par	Checklist of Required Schedules (continued)			
			Yes	No
3	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? If "Yes," complete Schedule J	23	Yes	
	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? If "Yes," answer lines 24b through 24d and complete Schedule K If "No," go to line 25a	24a	Yes	
Ь	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		No
С	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c		No
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		No
a	Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I	25b		No
	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? If "Yes," complete Schedule L, Part II	26		No
	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? If "Yes," complete Schedule L, Part III	27		No
	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)			
a	A current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV	28a		No
)	A family member of a current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L,	28b		No
С	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? If "Yes," complete Schedule L, Part IV	28c	Yes	
	Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M 🐒	29	Yes	
	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M	30		No
	Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I .	31		No
	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II	32		No
	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301 7701-2 and 301 7701-3? If "Yes," complete Schedule R, Part I	33	Yes	
	Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	34		No
	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a		No
כ	If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section $512(b)(13)$? If "Yes," complete Schedule R, Part V, line 2	35b		
	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2	36		No
	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? If "Yes," complete Schedule R, Part VI	37		No
	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 197 Note. All Form 990 filers are required to complete Schedule O	38	Yes	
ar	Statements Regarding Other IRS Filings and Tax Compliance			
	Check if Schedule O contains a response or note to any line in this Part V	• ;		<u>Ц</u>
_	Enter the number reported in Box 3 of Form 1096 Enter -0- if not applicable 1a 36		Yes	No
	Enter the number of Forms W-2G included in line 1a Enter -0- if not applicable 1b 0			
	The state of the s			

1c

d If "Yes," indicate the number of Forms 8282 filed during the year 7d |

e Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? 7e No 7f Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? . . . No If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as 7g

If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 7h Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during

8

9a

9h

14a

14b

15

Yes

Form **990** (2018)

No

12a Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041? 12a b If "Yes," enter the amount of tax-exempt interest received or accrued during the year 12b

10a

10b

11a

11b

13c

Section 501(c)(29) qualified nonprofit health insurance issuers.

9a Did the sponsoring organization make any taxable distributions under section 4966? . . .

a Initiation fees and capital contributions included on Part VIII, line 12 . . .

b Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities

b Gross income from other sources (Do not net amounts due or paid to other sources

c Enter the amount of reserves on hand

14a Did the organization receive any payments for indoor tanning services during the tax year?

b If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.

Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess

parachute payment(s) during the year? If "Yes," see instructions and file Form 4720, Schedule N

Is the organization an educational institution subject to the section 4968 excise tax on net investment income?

Section 501(c)(7) organizations. Enter

11 Section 501(c)(12) organizations. Enter a Gross income from members or shareholders .

b Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? . . .

a Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O 13a Enter the amount of reserves the organization is required to maintain by the states in 13b which the organization is licensed to issue qualified health plans

01111	230 (2010)			rage
Pa	Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "I 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	lo" respo	onse to	lines 🗸
Se	ection A. Governing Body and Management			
			Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year 1	0		
	If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O			
b	Enter the number of voting members included in line 1a, above, who are independent 1b	,		
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2	Yes	
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person? •	n 3		No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed? .	4		No
5	Did the organization become aware during the year of a significant diversion of the organization's assets? .	5		No
6	Did the organization have members or stockholders?	6		No
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a		No
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b		No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following			
а	The governing body?	8a	Yes	
Ь	Each committee with authority to act on behalf of the governing body?	8 b	Yes	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? <i>If "Yes," provide the names and addresses in Schedule O</i>	9		No
Se	ection B. Policies (This Section B requests information about policies not required by the Internal Reven	ie Code		
			Yes	No
	Did the organization have local chapters, branches, or affiliates?	10a		No
	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	10b		
	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a	Yes	
	Describe in Schedule O the process, if any, used by the organization to review this Form 990			
	Did the organization have a written conflict of interest policy? If "No," go to line 13	12a	Yes	
	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes	
С	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	12c	Yes	
13	Did the organization have a written whistleblower policy?	13	Yes	
14	Did the organization have a written document retention and destruction policy?	14	Yes	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?			
	The organization's CEO, Executive Director, or top management official	15a	Yes	
b	Other officers or key employees of the organization	15b	Yes	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions)			
	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a		No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?			
C -	ection C. Disclosure	16b		
<u>5e</u> 17	List the States with which a copy of this Form 990 is required to be filed			
	CA , MD			
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. Indicate how you made these available. Check all that apply			
	☐ Own website ☐ Another's website ☑ Upon request ☐ Other (explain in Schedule O)			
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 DR JOHN CRAIG VENTER AND MEGAN WU 4120 CAPRICORN LANE LA JOLLA, CA 92037 (858) 200-1800			

(10) VENTER JOHN CRAIG

(11) NGUYEN TAI THRU 519

(13) FRIEDMAN ROBERT M

(14) PEAKE ANTONY G

(15) PIEPER REMBERT

(17) STOUT MARTIN

VP OF FINANCE/CFO

(12) ADELSON JULIE

CHAIRMAN & CHIEF EXEC OFFICER

VP, LEG AFFRS/GENERAL COUNSEL

VP FOR POLICY & UNIV RELATION

VP FOR RESEARCH ADMINISTRATION

DIRECTOR, ROCKVILLE CAMPUS

(16) SCHEUERMANN RICHARD H

DIRECTOR, LA JOLLA CAMPUS

CHIEF TECHNOLOGY OFFICER

Part VII

year

Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees,

and Independent Contractors

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

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

- 1a Complete this table for all persons required to be listed Report compensation for the calendar year ending with or within the organization's tax
- List all of the organization's current officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation Enter -0- in columns (D), (E), and (F) if no compensation was paid
- List all of the organization's **current** key employees, if any See instructions for definition of "key employee" • List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee)

who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the

- organization and any related organizations • List all of the organization's former officers, key employees, or highest compensated employees who received more than \$100,000
- of reportable compensation from the organization and any related organizations

 List all of the organization's former director organization, more than \$10,000 of reportable control 										
List persons in the following order individual trus compensated employees, and former such person	stees or directo		_				,	-		
\square Check this box if neither the organization no	r any related oi	rganızat	ion c	omp	ens	ated a	any	current officer, dire	ctor, or trustee	
(A) Name and Title	(B) Average hours per week (list any hours	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						compensation from the organization	(E) Reportable compensation from related organizations	(F) Estimated amount of other compensation from the
	for related organizations below dotted line)	Individual trustee or director	Highest compensated employee Key employee Officer Institutional Trustee Individual trustee Individual trustee			Former	(W- 2/1099- MISC)	(W- 2/1099- MISC)	organization and related organizations	
(1) BADR-EL-DIN AMIN PHD TRUSTEE (AS OF 9/18)	4 00	×						0	0	0
(2) HOROWITZREENA TRUSTEE	4 00	×						0	0	0
(3) KNIGHT JESSIE TRUSTEE	4 00	×						0	0	0
(4) KOWALSKI HEATHER CHIEF OPERATING OFFICER	40 00	х		х				94,382	0	0
(5) MCGRORY JACK TRUSTEE	4 00	×						0	0	0
(6) NELSON KAREN PRESIDENT	40 00	×		x				709,371	0	66,166
(7) NORRBY ERLING TRUSTEE	4 00	х						0	0	0
(8) ROMO ALFONSO TRUSTEE	4 00	Х						0	0	0

40.00

40 00

40 00

40.00

40 00

40 00

40 00

40 00

TRUSTEE 4 00 (9) RUGGLES RUDY 0 0 0 TRUSTEE

Χ

Х

Х

Х

Х

Х

1,193,311

176.659

370,815

287,686

255.567

273,450

343,006

310.690

0

0

0

0

0

46,674

24.482

33,575

57,805

26.330

31,664

42,192

66.104

Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) (B) (C) (D) (E) (F)

Page 8

(A) Name and Title	(B) Average hours per week (list any hours	than o	ne b	ox, ι n of	t che unle: ficer	eck moss pers and a ee)	son 1	(D) Reportable compensation from the organization (W-	(E) Reportable compensation from related organizations	Estir amount compe fror	F) nated of other nsation n the
	for related organizations below dotted line)	individual trustee or director	Institutional Trustee		key employee	Highest compensated employee	Former	2/1099-MISC)	(W- 2/1099- MISC)	rela	ation and ated zations
(18) GLASS JOHN PROFESSOR	40 00					×		211,261			59,179
(19) SMITH HAMILTON O	40 00					×		332,510			23,475
(20) STAVEAS TIMOTHY V											
DIRECTOR, IT NETWORK/SECURITY	40 00					X		206,364	1	0	66,897
(21) SUTTON GRANGER G PROFESSOR	40 00					×		217,881			69,029
(22) YUMUL MARY	40 00					×		215,193			48,380
VP OF HUMAN RESOURCES		••••				^		213,133			
										+	
											_
1b Sub-Total					•	•				<u> </u>	
c Total from continuation sheets to Part V d Total (add lines 1b and 1c)	•				,	-		5,198,146	0		661,952
Total number of individuals (including but of reportable compensation from the organization)	not limited to					- 1	ceive	· ' '	,000		
										Yes	No
3 Did the organization list any former offic line 1a? <i>If "Yes," complete Schedule J for</i>									mployee on	,	No
4 For any individual listed on line 1a, is the organization and related organizations grantendary.	eater than \$150	,000?	īf "Ye	s," c	om	olete S	ched	dule J for such			
individualDid any person listed on line 1a receive o									<u> </u>	ł Yes	
services rendered to the organization?If '										5	No
Section B. Independent Contractors Complete this table for your five highest of		danand	lant a	- n t r	t -	re that	+	owed mare than t	100 000 of sampa	nantion	
from the organization Report compensat	ion for the caler								tax year	_	
	(A) ousiness address								(B) tion of services		C) ensation
COOLEY LLP								LEGAL CONSU	LTING SERVICES		404,918
101 CALIFORNIA STREET SAN FRANCISCO, CA 94111 US SECURITY ASSOCIATES								SECURITY SER	VICEC		196,141
PO BOX 931703								SECURITY SER	VICES		190,141
ATLANTA, GA 31193 MOSS ADAMS LLP								ACCOUNTING .	AND AUDIT SERVICE	S	108,608
4747 EXECUTIVE DRIVE SUITE 1300 SAN DIEGO, CA 92121											

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of

compensation from the organization ► 3

Part	VIII											
		Check if Schedul	e O contains	a respo	onse or r	ote to any	(his Part VIII A) revenue	Rela ex fui	(B) ated or empt action venue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
, y	1:	a Federated campaig	ns	1a								
ants		b Membership dues		1 b								
900		c Fundraising events		1c								
ž Ž		d Related organization	ns	1d								
<u> </u>		e Government grants (c	ontributions)	1e	2	1,070,282						
ns,		f All other contributions										
ë		and similar amounts n above	ot included	1f		8,941,745						
Contributions, Gifts, Grants and Other Similar Amounts		9 Noncash contribution lines 1a - 1f \$h Total. Add lines 1a			923,000			30,012,027				
3		CEOUENCING CED VICE	DEVENUE			Business	Code	1 1	.85,959	1 18	5,959	
Service Revenue		SEQUENCING SERVICES	S REVENUE			•	900099		2,109		2,109	
å.	b	CLONE REVENUE					900099		2,109		2,109	
¥ K	c	:		_								
₹	d	l 		_								
an	e			_								
Program	f	All other program se	rvice revenue				100.000					
Δ	g	Total. Add lines 2a-2	2f		>	1,:	188,068					
		Investment income (i			nterest,	and other		1,387,30	1			1,387,304
	l	similar amounts). Income from investm			and proc	oods •	`	1,307,30	1			1,307,304
	l											
		Noyani es i	(ı) Rea			Personal						
	6a	Gross rents	,,,		. , ,		1					
	١.	Lass rental sympasses					4					
		Less rental expenses										
		Rental income or					1					
		(loss)					_					
	١ '	Net rental income o	(i) Securit			• • • Other	+					
	72	Gross amount	(I) Securi	ies	(11)	Other	\dashv					
	-	from sales of assets other	78,0	50,131		2,69	0					
		than inventory										
	Ł	Less cost or other basis and	65.4	66.740		2.64	_					
		sales expenses	·	66,740		3,64						
	l	Gain or (loss)		83,391		-95	4	10.500.40				12 502 127
		l Net gain or (loss)				>	_	12,582,43	1			12,582,437
Ð	o a	Gross income from f (not including \$		ents of								
n €		contributions reporte See Part IV, line 18		_								
ě	١,	Less direct expense		a b			-					
<u>۔</u> ت	l	Net income or (loss)			ents .							
Other Revenue		Gross income from g		-			1					
0		See Part IV, line 19										
	١.	3 dah	_	a			4					
	l	Less direct expense Net income or (loss)		b activit	les .		╛					
		aGross sales of invent				· •	1					
		returns and allowand	ces]							
	١.			a			4					
		Less cost of goods s		b								
	_	Net income or (loss) Miscellaneous		ınvent		. ► ess Code						
	11	La TRANSPORTATION		,	Dusin	90009	9	33,99	1		33,991	
		ISI SICIATION		•								
	,	K-1 PASSTHROUGH				90009	9	-73	7		-737	
	•	- V-1 LADDIHKONGH				2.003		, 3			, , ,	
	(-										
		J All and an order					1					
		All other revenue . Total. Add lines 11a										
						_		33,25	4			
	12	2 Total revenue. See	Instructions			·_ •		45,203,09	0	1,188,068	33,254	
	_											Form 990 (2018)

Form 990 (2018)		•		Page 10
Part IX Statement of Functional Expenses				
Section $501(c)(3)$ and $501(c)(4)$ organizations must complete all co	_	•	lete column (A)	
Check if Schedule O contains a response or note to any	line in this Part IX .			<u> ⊔</u>
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) Fundraisingexpenses
Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21	2,102,860	2,102,860		
2 Grants and other assistance to domestic individuals See Part IV, line 22				
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals See Part IV, line 15 and 16	62,010	62,010		
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	4,409,930	3,051,325	1,358,605	
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages	14,355,221	7,973,339	6,178,464	203,418
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	467,279	274,530	187,684	5,065
9 Other employee benefits	1,605,786	943,411	644,968	17,407
10 Payroll taxes	1,197,615	703,608	481,025	12,982
11 Fees for services (non-employees)			-	
a Management			7	
b Legal	622,996	450	622,546	
c Accounting	118,068		118,068	
d Lobbying				
e Professional fundraising services See Part IV, line 17				
f Investment management fees	201,000		201,000	
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	741,800	259,716	481,784	300
12 Advertising and promotion	58,734		58,734	
13 Office expenses	545,113	263,664	278,519	2,930
14 Information technology	1,274,930	91,813	1,183,045	72
15 Royalties				
16 Occupancy	1,563,644	1,215,351	328,376	19,917
17 Travel	524,537	263,119	251,703	9,715
18 Payments of travel or entertainment expenses for any federal, state, or local public officials .				
19 Conferences, conventions, and meetings	137,671	94,532	42,238	901
20 Interest	1,006,715	650,357	348,616	7,742
21 Payments to affiliates			,	
22 Depreciation, depletion, and amortization	2,899,077	1,671,867	1,212,611	14,599

527,443

4,001,322

117,406

110,377

159,969

38,811,503

227,714

3,611,192

1,754

36,229

23,498,841

298,174

390,097

117,406

108,473

116,042

15,008,178

1,555

33

150

7,698

304,484

Form **990** (2018)

23 Insurance .

d

expenses on Schedule O)

b BAD DEBT EXPENSE

e All other expenses

a LAB EQUIPMENT/SUPPLIES

c BOOKS AND SUBSCRIPTIONS

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

25 Total functional expenses. Add lines 1 through 24e

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 ► ☐ If following SOP 98-2 (ASC 958-720) Form 990 (2018)

17 18

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27

28

29

31

32

33

34

Liabilities 22

Fund Balances

Assets or 30

Net

Accounts payable and accrued expenses

persons Complete Part II of Schedule L .

and other liabilities not included on lines 17 - 24)

Total liabilities. Add lines 17 through 25 . .

complete lines 27 through 29, and lines 33 and 34.

Organizations that do not follow SFAS 117 (ASC 958), check here > and complete lines 30 through 34.

Capital stock or trust principal, or current funds

Paid-in or capital surplus, or land, building or equipment fund . . .

Retained earnings, endowment, accumulated income, or other funds

Escrow or custodial account liability Complete Part IV of Schedule D

Secured mortgages and notes payable to unrelated third parties

Unsecured notes and loans payable to unrelated third parties .

Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified

Other liabilities (including federal income tax, payables to related third parties,

Organizations that follow SFAS 117 (ASC 958), check here 🕨 🗹 and

Grants payable . . .

Deferred revenue

Complete Part X of Schedule D

Temporarily restricted net assets

Permanently restricted net assets

Total net assets or fund balances

Total liabilities and net assets/fund balances

Unrestricted net assets

		(A) Beginning of year		(B) End of year
1	Cash-non-interest-bearing	2,455,323	1	4,253,735
2	Savings and temporary cash investments	4,384,121	2	2,624,266
3	Pledges and grants receivable, net	3,833,858	3	4,241,716
4	Accounts receivable, net	140,284	4	375,164
5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions) Complete		6	
	Part II of Schedule L			

	6	Loans and other receivables from other disquali section 4958(f)(1)), persons described in sectio contributing employers and sponsoring organization voluntary employees' beneficiary organizations. Part II of Schedule L	(c)(3)(B), and f section 501(c)(9)		6		
ets	7	Notes and loans receivable, net	• •			7	
Assets	8	Inventories for sale or use			8		
A	9	Prepaid expenses and deferred charges			738,159	9	86
	10a	Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D	10a	76,176,984			
	b	Less accumulated depreciation	10b	25,436,535	51,576,780	10 c	50,74
	11	Investments—publicly traded securities .	63,599,654	11	50,30		
	12	Investments—other securities See Part IV, line	1,854,163	12	1,55		
	13	Investments—program-related See Part IV, line	583,978	13			

9	Prepaid expenses and deferred charges			738,159	9	866,516
10a			76,176,984			
ь	Less accumulated depreciation	10 b	25,436,535	51,576,780	10 c	50,740,449
11	Investments—publicly traded securities .	63,599,654	11	50,308,884		
12	Investments—other securities See Part IV, line	11 .		1,854,163	12	1,553,980
13	Investments—program-related See Part IV, line	e 11 .		583,978	13	0
14	Intangible assets				14	
15	Other assets See Part IV, line 11	2,780,442	15	2,841,834		
16	Total assets. Add lines 1 through 15 (must equ	ıal lıne	34)	131,946,762	16	117,806,544
	b 11 12 13 14	 Land, buildings, and equipment cost or other basis. Complete Part VI of Schedule D Less accumulated depreciation Investments—publicly traded securities. Investments—other securities. See Part IV, line. Investments—program-related. See Part IV, line. Intangible assets	10a Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D b Less accumulated depreciation 10b 11 Investments—publicly traded securities 12 Investments—other securities See Part IV, line 11 13 Investments—program-related See Part IV, line 11 14 Intangible assets 15 Other assets See Part IV, line 11 11	basis Complete Part VI of Schedule D 10a 76,176,984 b Less accumulated depreciation 10b 25,436,535 11 Investments—publicly traded securities . 12 Investments—other securities See Part IV, line 11 . 13 Investments—program-related See Part IV, line 11 . 14 Intangible assets . . . 15 Other assets See Part IV, line 11 . .	10a Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D 10a 76.176.984 b Less accumulated depreciation 10b 25.436.535 51,576,780 11 Investments—publicly traded securities 63,599,654 12 Investments—other securities See Part IV, line 11 1,854,163 13 Investments—program-related See Part IV, line 11 583,978 14 Intangible assets 2,780,442	10a Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D 10a 76.176.984 b Less accumulated depreciation 10b 25,436.535 51,576.780 10c 11 Investments—publicly traded securities 63,599.654 11 12 Investments—other securities See Part IV, line 11 1.854,163 12 13 Investments—program-related See Part IV, line 11 583.978 13 14 Intangible assets 14 15 Other assets See Part IV, line 11 2,780,442 15

4,246,249

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5,772,850

2.556.527

25,089,970

1.608.716

55.910

35,083,973

82.229.932

82,722,571

117,806,544

Form **990** (2018)

492,639

3b

Yes Form 990 (2018)

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

Additional Data

Software ID:

Software Version:

EIN: 52-1842938

Name: J CRAIG VENTER INSTITUTE

Form 990 (2018)

Form 990, Part III, Line 4a:

DEPARTMENT OF HEALTH AND HUMAN SERVICESDURING 2018. JCVI HAD MULTIPLE ACTIVE RESEARCH GRANTS AND CONTRACTS FROM AGENCIES WITHIN THE DHHS AMONG THESE WAS JCVI'S LARGEST FUNDED RESEARCH PROGRAM, A GRANT FROM THE NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID/NIH) TO SERVE AS A DESIGNATED GENOME CENTER FOR INFECTIOUS DISEASES (GCID) THE GCID PROGRAM SCOPE INCLUDES ANALYSIS OF VIRAL, BACTERIAL, AND PARASITE PATHOGENS THE BACTERIAL AND PARASITE PROGRAMS HAVE A PARTICULAR EMPHASES ON ANTIMICROBIAL RESISTANCE THE BACTERIAL PROGRAM IS FOCUSED ON THE EVOLUTION AND TRANSMISSION OF CARBAPENEM-RESISTANT ENTEROBACTERIACEAE AND OTHER GRAM-NEGATIVE BACTERIA. ALL GENOME SEQUENCE DATA PRODUCED WITH GCID FUNDING IS RAPIDLY DEPOSITED IN PUBLIC REPOSITORIES TO PROMOTE THE WIDEST POSSIBLE USE AMONG RESEARCH SCIENTISTS JCVI IS THE PRIMARY LEAD OF A LARGE COLLABORATIVE NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES (NCATS/NIH) U01 AWARD WITH THE GOAL TO DEVELOP, VALIDATE AND DISSEMINATE A COMPUTATIONAL INFRASTRUCTURE FOR UNBIASED ANALYSIS OF CYTOMETRY DATA FOR BOTH DIAGNOSTIC AND DISCOVERY APPLICATIONS THAT COULD HELP OVERCOME THE CURRENT LIMITATIONS OF MANUAL ANALYSIS AND PROVIDE FOR MORE EFFICIENT, OBJECTIVE, ACCURATE, AND REPRODUCIBLE ANALYSIS OF CYTOMETRY DATA FLOW CYTOMETRY ANALYSIS IS WIDELY USED IN TRANSLATIONAL RESEARCH LAB TO EXPLORE THE MECHANISMS OF NORMAL AND ABNORMAL BIOLOGICAL PROCESSES AND IN THE CLINICAL DIAGNOSTIC LAB FOR THE IDENTIFICATION AND CLASSIFICATION OF BLOOD-BORNE MALIGNANCIES HOWEVER, THE CURRENT PRACTICE FOR CYTOMETRY DATA ANALYSIS RELIES ON SUBJECTIVE AND AD HOC "MANUAL GATING" DURING THE YEAR OF 2018, THE PROJECT TEAM OF JCVI, THE UNIVERSITY OF CALIFORNIA, SAN DIEGO (UCSD), THE UNIVERSITY OF CALIFORNIA, IRVINE (UCI), AND STANFORD UNIVERSITY COLLABORATED TO CONTINUE IMPROVING THE ACCESSIBILITY, FUNCTIONALITY, AND USABILITY OF THE PROPOSED INFRASTRUCTURE. THE PROJECT TEAMS ASSEMBLED MULTIPLE FLOW CYTOMETRY DATASETS FROM IMPORTANT BIOMEDICAL PROJECTS CONDUCTED BY TRANSLATIONAL RESEARCHERS AT UC IRVINE AND FROM THE CLINICAL DIAGNOSTICS LAB AT UCSD. THE JCVI TEAM PROCESSED AND ANALYZED THE DATASETS USING THE COMPUTATIONAL INFRASTRUCTURE AND VALIDATED THE ANALYSIS RESULTS USING FOLLOW-UP STUDIES THE COMPUTATIONAL ANALYSES OF THESE DATASETS HAVE IDENTIFIED NOVEL CELL SUBSETS FROM HUMAN LEUKOCYTES FOR INDEPENDENT ASTHMA RESEARCH PROJECTS BEING CONDUCTED AT PEDIATRICS OF UC IRVINE THE ANALYSES HAVE ALSO IDENTIFIED A NOVEL COMBINATION OF CELL SURFACE MARKERS FOR PRECISION DIAGNOSIS OF THE CHRONIC LYMPHOCYTIC LEUKEMIA BASED ON THE CLINICAL FLOW CYTOMETRY DATA PROVIDED BY UCSD. THE RESULTS AND FINDINGS HAVE BEEN PUBLISHED ON PEER-REVIEWED JOURNALS OR REPORTED AT SCIENTIFIC CONFERENCES. THE PROJECT TEAM HAVE ALSO BEEN TRAINING THE TRANSLATIONAL RESEARCHERS OF UCI PEDIATRICS AND HEMATOPATHOLOGISTS OF UCSD PATHOLOGY FOR USING THE ADVANCED DATA ANALYTICS TOOLS ON THE COMPUTATIONAL INFRASTRUCTURE THROUGH IN-PERSON SITE VISITS AND WEBEX MEETINGS ANTIBIOTIC RESISTANCE IS ONE OF THE BIGGEST PUBLIC HEALTH PROBLEMS OF OUR TIME JCVI IN COLLABORATION WITH NORTHEASTERN UNIVERSITY HAVE DEVELOPED NEW METHODS TO GROW AND EXPLOIT PREVIOUSLY UNCHARACTERIZED MICROBES JCVI HAS DEVELOPED A TRANSCRIPTION-BASED PLATFORM THAT BIOINFORMATICALLY PREDICTS WHETHER NEW POTENTIAL COMPOUNDS ARE EXPRESSING ANTIBIOTIC PROPERTIES WITH NOVEL MECHANISMS OF ACTION PROMISING COMPOUNDS ARE VALIDATED AND BECOME LEAD ANTIMICROBIAL COMPOUNDS FOR FURTHER STUDY JCVI, IN COLLABORATION WITH NORTHROP GRUMMAN, SERVES AS THE MAIN DEVELOPER OF THE VIRAL PATHOGEN RESOURCE (WWW VIPRBRC ORG) AND THE INFLUENZA RESEARCH DATABASE (WWW FLUDB ORG). THESE RESOURCES SERVE AS FREE PUBLIC PORTALS TO A WIDE RANGE OF INFORMATION, DATA, AND ANALYTICAL TOOLS FOR INTERPRETING VIRAL GENOMES IN THE CONTEXT OF DISEASE OVER 3000 RESEARCHERS THROUGHOUT THE WORLD USE THESE RESOURCES EVERY WEEK SEVERAL ADDITIONAL DHHS GRANTS AT JCVI ARE RELATED TO HUMAN MICROBIOME STUDIES THE MICROBIOME IS THE COLLECTION OF MICROBES THAT LIVE IN AND ON THE HUMAN BODY. THESE SPECIES HAVE RECEIVED CONSIDERABLE ATTENTION IN RECENT YEARS BECAUSE A NEW APPRECIATION OF THE COMPLEX ROLES THAT THEY PLAY IN HEALTH AND DISEASE SOME OF THESE STUDIES ARE AIMED AT BASIC CHARACTERIZATION OF THE COMPOSITION AND ACTIVITY OF THE MICROBIOME, WHILE OTHERS SEEK TO UNDERSTAND THE CONTRIBUTION OF THE MICROBIOME TO THE DEVELOPMENT OF VARIOUS DISEASES INCLUDING ALCOHOLIC HEPATITIS, TYPE 1 DIABETES, DENTAL CARIES, DIARRHEA, AND ESOPHAGEAL CANCER, AMONG OTHERS IN COLLABORATION WITH THE SANFORD BURNHAM PREBYS INSTITUTE. THE JCVI IS DEVELOPING METHODS TO IDENTIFY NEW DRUGS THAT SPECIFICALLY TARGET AN ENZYME IN THE MALARIA PARASITE THAT WE KNOW IS ESSENTIAL FOR THE GROWTH OF THE PARASITE MALARIA. A PARASITIC DISEASE TRANSMITTED BY MOSQUITOES. IS STILL A MAJOR THREAT TO PUBLIC HEALTH AND ECONOMIC DEVELOPMENT IN THE TROPICAL AND SUB-TROPICAL REGIONS OF THE GLOBE, AS WELL AS TO TRAVELERS TO THESE AREAS FROM THE DEVELOPED WORLD. CONTINUAL DEVELOPMENT OF NEW DRUGS AND VACCINES IS ESSENTIAL TO ENSURE THAT MALARIA CONTROL IS MAINTAINED TO PREVENT UNNECESSARY ILLNESS AND LOSS OF LIFE THIS PROJECT HAS SHOWN THAT ONE PARTICULAR CHEMICAL THAT BLOCKS THIS ENZYME CAN KILL MALARIA PARASITES IN THE LABORATORY. THIS COLLABORATION IS NOW DEVELOPING A LABORATORY TEST THAT WE CAN USE TO SCREEN THOUSANDS OF CHEMICALS TO FIND THOSE THAT ARE MORE EFFECTIVE AT KILLING MALARIA PARASITES THAN THE FIRST CHEMICAL THE INSTITUTE ALSO PARTICIPATES IN THE H3AFRICA PROGRAM VIA A COLLABORATION THE UNIVERSITY OF CAPE TOWN, SOUTH AFRICA, TO TRAIN COLLABORATORS IN HUMAN MICROBIOME ANALYSIS. THE PROGRAM IS SPONSORED BY THE NIH COMMON FUND TO BRING TECHNOLOGICAL RESOURCES AND TRAINING IN A CAPITAL INVESTMENT-INTENSIVE FIELD (GENOMICS) TO THE AFRICAN CONTINENT VIA COLLABORATIONS WITH US SCIENTISTS WITH EXPERTISE IN THIS FIELD

Form 990, Part III, Line 4b: DEPARTMENT OF ENERGYJCVI IS THE RECIPIENT OF A LARGE COLLABORATIVE ASSISTANCE AWARD FROM THE DOE AWARDED TO THE VALUE OF \$10 7M, THE JCVI AND ITS COLLABORATORS, COLORADO STATE UNIVERSITY, VANDERBILT UNIVERSITY AND THE UNIVERSITY OF CALIFORNIA, SAN DIEGO, SEEK TO LEVERAGE SIGNIFICANT

PLATFORMS, WHICH SUBSTANTIALLY ADVANCE POSSIBILITIES FOR HIGH-THROUGHPUT GENERATION AND SCREENING OF GENETICALLY ENGINEERED DIATOMS RESEARCH PROPOSED HERE WILL RESULT IN DRAMATIC IMPROVEMENTS IN THE PREDICATIVE CAPACITY OF EXISTING GENOME SCALE METABOLIC MODELS OF DIATOM METABOLISM FOR THE FIRST TIME ON A LARGE SCALE, FLUXOMICS, WHICH IS COMPOUND SPECIFIC INCORPORATION OF AN ISOTOPICALLY-LABELED FEEDSTOCK, WILL

RECENT ADVANCES IN DIATOM GENOME ENGINEERING AND METABOLIC MODELING, INCLUDING THE ABILITY TO INTRODUCE CHROMOSOME-LIKE EXPRESSION

METABOLTE FLUX THROUGH SUBCELLULAR COMPARTMENTS TO PROMOTE EFFICIENT PRODUCTION OF HIGH VALUE AND FUEL-RELATED METABOLITES

BE USED TO PROVIDE BETTER FIRST STEP CONSTRAINTS ON CO2 ASSIMILATION OF IN DIATOMS STATE-OF-THE-ART HIGH THROUGHPUT IN VITRO EXAMINATIONS OF NEARLY ALL 200 DIATOM TRANSCRIPTION FACTORS WILL BE CONDUCTED TO BETTER UNDERSTAND REGULATORY ARCHITECTURE UNDERLYING DIATOM METABOLISM AS

WELL AS SERVE AS A SOURCE FOR NEW TOOLS FOR GENOME ENGINEERING TAKEN TOGETHER, RESEARCH PROPOSED HERE WILL ADDRESS CURRENTLY LIMITING

BOTTLENECKS THROUGH FOSTERING STATE-OF-THE-ART INTEGRATION OF GENOME-SCALE MODELING WITH GENOME ENGINEERING TO OPTIMIZE ENERGY AND

Form 990, Part III, Line 4c:

POLYMICROBIAL INFECTIONS IN WOUNDS. THE DEVELOPMENT OF SYNTHETIC GENOMIC TECHNOLOGIES FOR MANIPULATION OF CHROMOSOMES AND GENOMES AND FOR THE DEVELOPMENT OF SAFE METHODS FOR DNA ISOLATION AND ANALYSIS FROM BIOTHREAT AGENTS. FUNDED BY THE DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA) BIOLOGICAL ROBUSTNESS IN COMPLEX SETTINGS (BRICS) PHASE II PROGRAM. THE JCVI IS USING INNOVATIVE RESEARCH APPROACHES TO DEVELOP A MICROBIOME FORENSIC MICROBIAL SYSTEM (FMS) THAT WILL DETECT WHETHER AND WHEN AN OBJECT ENCOUNTERED A PARTICULAR ENVIRONMENT. IN ADDITION, THE FMS SHOULD CONTAIN A SAFETY MECHANISM THAT WILL ENSURE ITS REMOVAL FROM THE ENVIRONMENT FOR CONTAINMENT. THIS FMS WILL ULTIMATELY ALLOW FOR BROAD RANGE FORENSIC APPLICATIONS OF SYNTHETIC MICROBIOMES THAT INCLUDE, BUT ARE NOT LIMITED TO, GEOSOURCING, TRACKING, AND CRIME SCENE INVESTIGATIONS WOUND MICROBIOME PROJECT - CHRONIC WOUNDS ARE WOUNDS THAT FAIL TO HEAL AFTER 3 MONTHS UNDER STANDARD OF CARE WOUND MANAGEMENT. THE GOAL OF THIS DOD STUDY IS TO GAIN A BETTER UNDERSTANDING OF THE DIFFERENT CLASSES OF MICROBES THAT COULD BE PRESENT IN HUMAN CHRONIC WOUNDS (I E THE WOUND MICROBIOME). AND ASK WHETHER SPECIFIC MICROBES OR MICROBIAL COMMUNITIES ARE ASSOCIATED WITH NON-HEALING WOUNDS NEXT GENERATION SEQUENCING WILL BE USED TO IDENTIFY AND CATALOG THE MICROBIAL SPECIES OF BACTERIA. FUNGI. AND VIRUSES THAT ARE PRESENT IN CHRONIC WOUND SPECIMENS, COMPUTATIONAL AND BIOINFORMATICS ANALYSES OF THE MICROBIAL COMMUNITY DNA SEQUENCES WILL BE CARRIED OUT TO CHARACTERIZE THE PRESENCE ANY PATHOGENIC. VIRULENCE, AND ANTIMICROBIAL RESISTANCE-RELATED GENES AND PATHWAYS. THE EVENTUAL GOAL IS TO IDENTIFY ANY PATHOGENIC SPECIES OR FEATURES THAT ARE ASSOCIATED WITH NON-HEALING WOUNDS. AND COULD BE USED AS DIAGNOSTIC AND TREATMENT TARGETS OF CHRONIC WOUNDS SYNTHETIC ENGINEERING OF BACTERIOPHAGE FOR TREATMENT OF WOUND INFECTIONS ANTIMICROBIAL RESISTANCE IN BACTERIAL PATHOGENS IS STEADILY INCREASING AND RECOGNIZED AS ONE OF THE GREATEST THREATS TO GLOBAL PUBLIC HEALTH. SHORTLY AFTER THE BEGINNING OF THE WARS IN AFGHANISTAN AND IRAO. THE MILITARY HEALTH SYSTEM EXPERIENCED A MAJOR INCREASE IN WOUND AND HEALTHCARE-ASSOCIATED INFECTIONS CAUSED BY MULTIDRUG RESISTANT ORGANISMS (MDROS) WITH EXTREMELY LIMITED TREATMENT OPTIONS FUNDED THROUGH THE US MEDICAL RESEARCH ACQUISITION ACTIVITY. THE JCVI IN COLLABORATION WITH THE MILITARY AND THE WALTER REED ARMY INSTITITUTE OF RESEARCH. IS COLLABORATING WITH THE GOAL TO DESIGN. BUILD. TEST AND CHARACTERIZE NOVEL ENGINEERED BACTERIOPHAGE BIOLOGICS SPECIFICALLY TARGETING MDROS FOR USE AS NOVEL THERAPEUTICS FOR TREATING AND PREVENTING COMBAT WOUND INFECTIONS USING PIONEERING TECHNOLOGY DEVELOPED AT ICVI. THIS OBJECTIVE WILL BE ACCOMPLISHED THROUGH EXPERIMENTS. FOCUSED ON PRODUCING SYNTHETICALLY ENGINEERED PHAGE WITH AN ENHANCED HOST RANGE SUFFICIENT TO COVER CURRENT AND FUTURE CIRCULATING MDR STRAINS OF S. AUREUS AND K. PNEUMONIAE COMMONLY FOUND IN THE MILITARY HEALTH SYSTEM, INCLUDING METHICILLIN-RESISTANT S. AUREUS AND CARBAPENEM-RESISTANT K PNEUMONIAE STRAINS CANDIDATE ENGINEERED THERAPEUTIC PHAGE CHASSIS WILL BE PRODUCED. CHARACTERIZED AND TESTED IN MOUSE WOUND INFECTION MODELS BY RESEARCHERS AT WRAIR AS A PRELUDE TO FUTURE HUMAN USE. IT IS ANTICIPATED THAT WE WILL DEVELOP ONE OR MORE PHAGE CHASSIS CAPABLE OF SPECIFICALLY TARGETING AND KILLING EACH PATHOGEN BOTH IN VITRO AND IN VIVO "FUNDED BY THE DEFENSE THREAT REDUCTION AGENCY (DTRA). THE ICVI IS INVESTIGATING AN ASPECT OF THE WELL-RECOGNIZED PUBLIC HEALTH THREAT OF ANTIBIOTIC DRUG RESISTANCE IN PATHOGENIC BACTERIA. IN ADDITION TO STANDARD BACTERIAL RESISTANCE TO ANTIBIOTICS, INFECTION CAUSING BACTERIA ARE ABLE TO ASSUME A METABOLIC STATE THAT MAKES THE BACTERIA HIGHLY TOLERANT OF MASSIVE DOSES OF ANTIBIOTICS. THIS STATE IS TERMED THE PERSISTER STATE AND ACCOUNTS FOR ANTIBIOTIC FAILURE IN PATIENTS BEING TREATED FOR INFECTIONS AND FOR THE REEMERGENCE OF AN INFECTION AFTER AN APPARENT CLEARING OF THE DISEASE BY ANTIBIOTIC TREATMENT. JCVI IS INVESTIGATING THE GENETIC/GENOMIC INFRASTRUCTURE OF THE PERSISTER STATE IN THE PUBLIC HEALTH AND BIOTHREAT BACTERIAL PATHOGEN BURKHOLDERIA PSEUDOMALLEI USING BOTH GENOME BASED TECHNOLOGIES AND TRADITIONAL MICROBIOLOGY APPROACHES WITH THE ULTIMATE GOAL OF FINDING WAYS TO FLIMINATE EVEN BACTERIA IN THE PERSISTER STATE FROM PATIENTS WITH BACTERIAL INFECTIONS JCVI, FUNDED THROUGH THE DARPA BIOLOGICAL CONTROL PROGRAM IS APPLYING THE LESSONS LEARNED FROM MINIMIZING AND REORGANIZING A BACTERIAL GENOME TO REMODEL THE GENOME OF AN INDUSTRIALLY USEFUL. VASTLY MORE COMPLICATED EUKARYOTIC YEAST, CALLED KLUYVEROMYCES MARXIANUS IN USING A SINGLE K MARXIANUS CHROMOSOME AS A PLATFORM, JCVI IS DEVELOPING A GENERALIZED SET OF ALGORITHMS FOR MINIMIZATION AND DEFRAGMENTING THE GENES INTO FUNCTIONAL MODULES THAT COULD BE APPLIED TO ALL SMALL GENOME EUKARYOTES, SUCH AS YEASTS, EUKARYOTIC ALGAE, AND PARASITES

DEPARTMENT OF DEFENSEDURING 2018, JCVI HAD MULTIPLE ACTIVE RESEARCH AWARDS FROM THE DOD THESE AWARDS FOCUS ON THE UNDERSTANDING OF

efile	e GR/	APHIC prii	nt - DO NO	PROCESS	As Filed Data -			DLN: 9	3493319202529
	m 99	OULE A	Com	plete if the o	Charity Statu rganization is a sect 4947(a)(1) nonexe Attach to Form	ion 501(c)(3) o empt charitable 990 or Form 99	organization or trust. 0-EZ.	a section	2018
terno	l Reven	the Treasury		► Go to	www.irs.gov/Form	<u>990</u> for the late	st information	•	Open to Public Inspection
lam	e of th	he organiza TER INSTITUTE	tion :					Employer identific	cation number
Da.	rt I	Poscon	for Bublic (barity Stat	us (All organization	c must comple	to this part \ C	52-1842938	
					e it is (For lines 1 thro			see mstructions.	
1		A church, c	onvention of o	hurches, or as	ssociation of churches	described in sec	tion 170(b)(1)	(A)(i).	
2	\Box	A school de	escribed in sec	tion 170(b)(1)(A)(ii). (Attach Sch	nedule E (Form 9	90 or 990-EZ))		
3	$\overline{\Box}$	A hospital o	or a cooperativ	/e hospital ser	vice organization desc	rıbed ın section	170(b)(1)(A)(iii).	
4		A medical r name, city,		nization operat	ed in conjunction with	a hospital descri	bed in section :	170(b)(1)(A)(iii). E	nter the hospital's
5		-	ation operated (iv). (Comple		t of a college or unive	rsity owned or op	perated by a gov	ernmental unit descr	bed in section 170
6		A federal, s	state, or local	government or	governmental unit de	escribed in sectio	on 170(b)(1)(A	i)(v).	
7	\checkmark	section 17	'0(b)(1)(A)(vi). (Complete				nit or from the gener	al public described in
8		A communi	ty trust descr	bed in sectio i	170(b)(1)(A)(vi)	(Complete Part I	I)		
9					escribed in 170(b)(1) ee instructions Enter				lege or university or a
D		from activit	ries related to rincome and ເ	its exempt fur inrelated busir	(1) more than 331/39 actions—subject to cer less taxable income (le complete Part III)	taın exceptions,	and (2) no more	than 331/3% of its s	upport from gross
1					d exclusively to test fo	r public safety S	ee section 509	(a)(4).	
2		more public	cly supported	organizātions (d exclusively for the be described in section 5 the type of supporting	09(a)(1) or sec	ction 509(a)(2). See section 509(a	
a		Type I. A so	supporting org n(s) the powe	anızatıon oper	ated, supervised, or cappoint or elect a majo	ontrolled by its s	upported organi	zation(s), typically by	
b		manageme	nt of the supp		pervised or controlled in ation vested in the sare and C.				
C					supporting organizatio				ated with, its
d		Type III n	on-functiona integrated T	ally integrate he organizatio	ions) You must com d. A supporting organ n generally must satis rt IV, Sections A and	Ization operated fy a distribution	ın connection wi requirement and	th its supported orga	
e		Check this	box if the orga	anızatıon recei	ved a written determir integrated supporting	nation from the I		pe I, Type II, Type II	I functionally
f	Enter			organizations	3	. •		_	
g					upported organization(
	(i) Name of supported organization			(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	anization listed ing document?	(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)	
						Yes	No		
			1						
otal									
		work Reduc	tion Act Noti	ce, see the I	nstructions for	Cat No 11285	5F :	Schedule A (Form 9	90 or 990-EZ) 2018

instructions

(b)(1)(A)(ix)

Page 2

(Complete only if you checked the box on line 5, 7, 8, or 9 of Part I or if the organization failed to qualify under Part
III. If the organization fails to qualify under the tests listed below, please complete Part III.)
Section A. Public Support

-5	Section A. Public Support	' '		, ,	'	,	
	Calendar year	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
1	(or fiscal year beginning in) Gifts, grants, contributions, and membership fees received (Do not	35,600,497	31,545,719	26,768,604	20,421,917	30,012,027	144,348,764
2	include any "unusual grant ") 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	35,600,497	31,545,719	26,768,604	20,421,917	30,012,027	144,348,764
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						3,980,079
6	(f) Public support. Subtract line 5 from line 4						140,368,685
-5	Section B. Total Support	•				<u>'</u>	
	Calendar year (or fiscal year beginning in) ▶	(a)2014	(b) 2015	(c)2016	(d) 2017	(e)2018	(f) Total
7	Amounts from line 4	35,600,497	31,545,719	26,768,604	20,421,917	30,012,027	144,348,764
8	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	2,950,770	31,325,751	1,482,196	1,373,809	1,387,304	38,519,830
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)	208,097					208,097
11	10						183,076,691
12	Gross receipts from related activities,	etc (see instruction	ons)			12	2,982,454
13	First five years. If the Form 990 is for check this box and stop here						nization,
	Section C. Computation of Public						
	Public support percentage for 2018 (lin	• •	-	olumn (f))		14	76 670 %
	Public support percentage for 2017 Sc			(1),		15	78 710 %
	33 1/3% support test—2018. If the			on line 13, and line	e 14 ıs 33 1/3% or		
	and stop here. The organization quali 33 1/3% support test—2017. If th	fies as a publicly s	supported organiza	tion			▶ ☑
•	box and stop here. The organization	-		· ·	•	,	▶ □
17	a 10%-facts-and-circumstances test is 10% or more, and if the organizatio in Part VI how the organization meets	t— 2018. If the ord n meets the "facts	ganization did not s-and-circumstance	check a box on lines" test, check this	box and stop he i	re. Explain	
	organization						ightharpoons

Р	Part III Support Schedule for Organizations Described in Section 509(a)(2)								
	(Complete only if you c						ler Part II. If		
- C	the organization fails to ection A. Public Support	quality under t	ne tests listed	pelow, please co	omplete Part II.)			
30	Calendar year		43.554.5		413.004-		(0) =		
	(or fiscal year beginning in) ▶	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total		
1	Gifts, grants, contributions, and								
	membership fees received (Do not include any "unusual grants")								
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 Gross receipts from activities that are								
3	not an unrelated trade or business								
	under section 513								
4	Tax revenues levied for the								
	organization's benefit and either paid								
_	to or expended on its behalf The value of services or facilities								
5	furnished by a governmental unit to								
	the organization without charge								
6	Total. Add lines 1 through 5								
7a	Amounts included on lines 1, 2, and								
_	3 received from disqualified persons								
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								
C	Add lines 7a and 7b								
8	Public support. (Subtract line 7c								
	from line 6)								
36	ection B. Total Support Calendar year			I	1		1		
	(or fiscal year beginning in) ▶	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total		
9	Amounts from line 6								
10a	Gross income from interest,								
	dividends, payments received on								
	securities loans, rents, royalties and								
b	income from similar sources Unrelated business taxable income								
D	(less section 511 taxes) from								
	businesses acquired after June 30,								
	1975								
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								
12									
	loss from the sale of capital assets								
	(Explain in Part VI)								
13	Total support. (Add lines 9, 10c, 11, and 12)								
14	First five years. If the Form 990 is for	r the organization	ı 's fırst, second, tl	nird, fourth, or fift	:h tax vear as a se	ction 501(c)(3) c	rganization.		
	check this box and stop here	,	, ,	, ,	,	(), ()	• □		
Se	ection C. Computation of Public	Support Perce	ntage				<u> </u>		
15	Public support percentage for 2018 (lin			column (f))		15			
16	Public support percentage from 2017 S	16							
	ection D. Computation of Investi					1 1			
<u> </u>	Investment income percentage for 201			line 13, column (f	·))	17			
18	Investment income percentage from 2	•		,	• •	18			
	331/3% support tests—2018. If the		·	on line 14 and lin	ne 15 is more than		ne 17 is not		
							_		
	more than 33 1/3%, check this box and s								
b	33 1/3% support tests—2017. If the	-			•		_		
	not more than 33 1/3%, check this box	and stop here.	The organization	qualifies as a publ	icly supported org	anızatıon	▶⊔_		
20	Private foundation. If the organization	on did not check a	box on line 14, 1	.9a, or 19b, check	this box and see	instructions	▶ □		

Schedule A (Form 990 or 990-EZ) 2018 Page 4 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 Are all of the organization's supported organizations listed by name in the organization's governing documents? 1 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 1 Did the organization have any supported organization that does not have an IRS determination of status under section 509

(a)(1) or (2)? If "Yes," explain in **Part VI** how the organization determined that the supported organization was described in section 509(a)(1) or (2)2 Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below

3а 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)? If "Yes," describe in Part VI when and how the organization made the

determination 3b Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in Part VI what controls the organization put in place to ensure such use 3с Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you

checked 12a or 12b in Part I, answer (b) and (c) below 4a Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or 4b supervised by or in connection with its supported organizations

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)? 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 4c Did the organization add, substitute, or remove any supported organizations during the tax year? 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 5a

amendment to the organizing document) 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? Substitutions only. Was the substitution the result of an event beyond the organization's control?

5b 5c Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other

than (1) its supported organizations. (ii) individuals that are part of the charitable class benefited by one or more of its

6

7

8

answer line 10b below

the organization had excess business holdings)

supported organizations, or (III) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in Part VI. 6

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? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ)

7 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes,"

complete Part I of Schedule L (Form 990 or 990-EZ)

8 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))? If "Yes,"

provide detail in Part VI.

9a 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? If "Yes," provide detail in Part VI.

Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in

9b which the supporting organization also had an interest? If "Yes," provide detail in Part VI.

9с

Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether

Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding

10a certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes,"

10a

10b

Schedule A (Form 990 or 990-EZ) 2018

>cn	edule A (Form 990 or 990-E2) 2018		F	age 5		
Pa	rt IV Supporting Organizations (continued)					
			Yes	No		
11	Has the organization accepted a gift or contribution from any of the following persons?					
а	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?	11a				
b	A family member of a person described in (a) above?	11b				
C	A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI	11 c				
S	ection 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? 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.	1				
2	operated, supervised, or controlled the supporting organization? 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	2				
S	ection 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)? 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)	1				
_	<u> </u>					
	ection 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?		103	-140		
		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? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s)					
		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? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard	3				
S	ection E. Type III Functionally-Integrated Supporting Organizations		l			
1	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instruction)	ions)				
	The organization satisfied the Activities Test Complete line 2 below	•				
	b					
	The organization supported a governmental entity Describe in Part VI how you supported a government entity (see	instru	ctions)			
2	Activities Test Answer (a) and (b) below.	į	Yes	No		
	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? 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	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? 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					
,		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? Provide details in Part VI.	3a				
	b Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? If "Yes," describe in Part VI. the role played by the organization in this regard	3h				

Sched	lule A (Form 990 or 990-EZ) 2018			Page 6
Pai	t V Type III Non-Functionally Integrated 509(a)(3) Supporting O	rgani	zations	
1	Check here if the organization satisfied the Integral Part Test as a qualifying truinstructions. All other Type III non-functionally integrated supporting organizations.			
	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		
а	Average monthly value of securities	1a		
b	Average monthly cash balances	1 b		
С	Fair market value of other non-exempt-use assets	1c		
d	Total (add lines 1a, 1b, and 1c)	1d		
е	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	Check here if the current year is the organization's first as a non-functionally-instructions)	ntegrat	ed Type III supporting or	ganızatıon (see

Schedule A (Form 990 or 990-EZ) (2018)

c Remainder Subtract lines 4a and 4b from 4

5 Remaining underdistributions for years prior to 2018, if any Subtract lines 3g and 4a from line 2
If the amount is greater than zero, explain in Part VI

Remaining underdistributions for 2018 Subtract lines 3h and 4b from line 1. If the amount is greater than zero, explain in Part VI. See instructions.
 Excess distributions carryover to 2019. Add lines.

a Excess from 2014. **b** Excess from 2015. **c** Excess from 2016.

See instructions

d Excess from 2017.e Excess from 2018.

3_j and 4c

8 Breakdown of line 7

Schedule A (Form 990 or 990-EZ)	2018 Page 8							
Section A, lines 1, 2, Part IV, Section D, lir	rmation. Provide the explanations required by Part II, line 10, Part II, line 17a or 17b, Part III, line 12, Part IV, 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, nes 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 and 8, and Part V, Section E, lines 2, 5, and 6 Also complete this part for any additional information (See							
	Facts And Circumstances Test							
990 Schedule A, Supplemer	ital Information							
Return Reference	Return Reference Explanation							
SCHEDULE A, PART II, LINE 10, EXPLANATION OF OTHER INCOME	MISC REVENUE - 2014 AMOUNT \$ 208,097							

efile GRAPHIC print - DO NOT PROCESS As Filed Data -SCHEDULE D

Supplemental Financial Statements

▶ 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.

DLN: 93493319202529 OMB No 1545-0047

> Open to Public Inspection

Department of the Treasury Internal Revenue Service

(Form 990)

2

5

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

Name of the organization **Employer identification number** J CRAIG VENTER INSTITUTE 52-1842938 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 Total number at end of year Aggregate value of contributions to (during year) Aggregate value of grants from (during year) Aggregate value at end of year 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 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 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 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 Total number of conservation easements Total acreage restricted by conservation easements 2b Number of conservation easements on a certified historic structure included in (a) 2c Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year 🟲 Number of states where property subject to conservation easement is located ▶ Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year 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)? 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. 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 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 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Revenue included on Form 990, Part VIII, line 1

Assets included in Form 990, Part X

following amounts required to be reported under SFAS 116 (ASC 958) relating to these items

Par	t III	Organizations M	aintaining Col	llections o	of Art, H	istori	cal T	reasu	ıres, o	r Other	Similar As	sets (cont	nued)	
3		ng the organization's acq ns (check all that apply)	uisition, accessio	n, and other	records,	check a	any of	the fo	llowing	that are a	significant i	ise of its col	ection	
а	✓	Public exhibition				d		Loan	or exch	ange prog	ırams			
b	✓	Scholarly research				е		Othe	r					
С	✓	Preservation for future	e generations											
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													
Pai	rt I\	Escrow and Cust Complete if the ori X, line 21.			" on Forr	n 990	, Part	IV, lı	ne 9, o	r reporte	ed an amou	ınt on Forn		
1a		he organization an agent uded on Form 990, Part		an or other	ıntermedi	ary for	contri	bution	s or oth	er assets (not	☐ Yes	□ N	lo
ь	If "	Yes," explain the arrange	ement in Part XIII	[and comple	ete the fol	lowing	table				Α	mount		_
c	Beg	ginning balance								1c				_
d	Add	ditions during the year								1d				
e	Dıs	tributions during the year	r							1e				_
f	End	ling balance								1f				_
2a	Did	the organization include	an amount on Fo	orm 990, Pai	t X, line 2	21, for	escrov	v or cu	stodial a	account lia	bility?	☐ Yes	\square N	lo
b	If "	Yes," explain the arrange	ement in Part XIII	Check here	e if the ex	planatı	on has	s been	provide	d in Part)	KIII			
Pa	rt V	Endowment Fun	ds. Complete ıf	the organ	ızatıon a	nswer	ed "Y	es" or	ı Form	990, Par	t IV, line 1	.0.		
				(a)Currer	nt year	(b) Pi	rıor yea	ır	(c)Two y	ears back	(d)Three yea	ars back (e)	our yea	rs back
	_	nning of year balance .												
		ributions												
		nvestment earnings, gair												
		ts or scholarships												
е		r expenditures for faciliti programs	es											
f		inistrative expenses .												
		of year balance												
2		vide the estimated perce	ntage of the curr	ent vear end	l halance i	(line 1	- colu)) held a	15				
a		ard designated or guasi-e		che year ene	. Balance	(11110 19	g, colu	····· (a.)) Hela c	.5				
b	Per	manent endowment >												
C		nporarily restricted endov	wment >											
·		percentages on lines 2a		ıld equal 100	0%									
3a		there endowment funds				on that	t are h	eld an	d admın	istered fo	r the			
	_	anization by											Yes	No
	٠,	unrelated organizations					•					3a(i)		
h		related organizations . Yes" on 3a(ii), are the re		ne listed as i	equired o	 n Sche	 Idule R		• •			3a(ii) 3b		
4		scribe in Part XIII the inte	-					•	•		• • •			
	rt VI													
		Complete If the or	ganization ansv	vered "Yes										
	Des	cription of property	(a) Cost or otl (Investme		(b) Cost (or other	basıs (other)	(c) Acc	cumulated o	lepreciation	(d) B	ook valu	e
1 a	Land													
b	Build	lings					53,8	16,936			7,079,984		46	5,736,952
c	Leas	ehold improvements												
d	Equi	pment					15,7	57,659			14,271,451		1	1,486,208
е	Othe	r					6,6	02,389			4,085,100		- 2	2,517,289

Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c))

	Investments—Other Securities. Complete if the org	ganızatı	on ansv	vered "Yes" on	Form 990, Pa	rrt IV, line 11b.
	See Form 990, Part X, line 12. (a) Description of security or category (including name of security)		(b) Book value	Cost	(c) Method of v t or end-of-year	
	ıl derivatives	: 				
(A)						
(B)						
(C)						
(D)						
(E)						
(F)						
(G)						
(H)						
	n (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, Pa	rt IV, lı	ne 11c. See Fo	orm 990, Part	X, line 13.
	(a) Description of investment	(b) Boo	k value		(c) Method of v	
(1)						
(2)						
(3)						
(4)						
(5)						
(6)						
(7) ————						
(8)						
(9) ————						
Total. (Colum Part IX	n (b) must equal Form 990, Part X, col (B) line 13) Other Assets. Complete if the organization answered 'Yes'		990, Pa	rt IV, line 11d S	See Form 990, P	art X, line 15
(1)	(a) Description					(b) Book value
(2)						
(3)						
(4)						
(5)						+
(6)						
(7)						
(8)						
(9)						
	mn (b) must equal Form 990, Part X, col (B) line 15)				>	
Part X	Other Liabilities. Complete if the organization answe See Form 990, Part X, line 25.	ered 'Yes	s' on Fo	rm 990, Part 1	V, line 11e or	11f.
1.	(a) Description of liability		(b) B	ook value		
LEASES PAY				55,910		
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
	n (b) must equal Form 990, Part X, col (B) line 25)	<u> </u>	.1	55,910		
	or uncertain tax positions. In Part XIII, provide the text of the f					_

Part XI

2

5

1

2

c

d

3

b

5

Part XIII

See Additional Data Table

Part XII

Schedule D (Form 990) 2018

Page 4

-20,389,770

45,002,827

200,263

45,203,090

38,970,503

360,000

201,000

38.811.503

Schedule D (Form 990) 2018

38,610,503

Add lines 4a and 4b .

Add lines 2a through 2d .

Return Reference

	= ;
b	Donated services and use of facilities
c	Recoveries of prior year grants
d	Other (Describe in Part XIII)
e	Add lines 2a through 2d
3	Subtract line 2e from line 1
4	Amounts included on Form 990, Part VIII, line 12, but not on line ${\bf 1}$
а	Investment expenses not included on Form 990, Part VIII, line 7b

Donated services and use of facilities . . .

Other (Describe in Part XIII)

Subtract line 2e from line 1

Supplemental Information

Amounts included on line 1 but not on Form 990, Part IX, line 25

Amounts included on Form 990, Part IX, line 25, but not on line 1: Investment expenses not included on Form 990, Part VIII, line 7b . . .

Add lines **4a** and **4b**

Amounts included on line 1 but not on Form 990, Part VIII, line 12 Net unrealized gains (losses) on investments

Reconciliation of Revenue per Audited Financial Statements With Revenue per Return

VIII, line 7b .

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

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

Total revenue Add lines 3 and 4c. (This must equal Form 990, Part I, line 12)

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

Total expenses Add lines 3 and 4c. (This must equal Form 990, Part I, line 18)

XI, lines 2d and 4b, and Part XII, lines 2d and 4b. Also complete this part to provide any additional information

2a

2b

2c 2d

4a

4b

2a

2b

2c

2d

4a

4b

Explanation

-20,749,770

360,000

201,000

360,000

201,000

-737

2e

3

4c

2e

3

4c

5

Schedule D (Form 990) 2018	Page 5
Part XIII Supplemental Info	mation (continued)
Return Reference	Explanation

Schedule D (Form 990) 2018

Additional Data

Software ID: Software Version:

> **EIN:** 52-1842938 Name: J CRAIG VENTER INSTITUTE

Explanation

Supplemental Information

PART III, LINE 4

Return Reference

COLLECTION OF SCIENTIFIC WRITINGS RELEVANT TO GENOMIC RESEARCH

Return Reference	Explanation
	THE INSTITUTE IS A NOT-FOR-PROFIT ORGANIZATION EXEMPT FROM FEDERAL INCOME TAXES UNDER SECT ION 501(C)(3) OF THE INTERNAL REVENUE CODE THE INSTITUTE DOES NOT BELIEVE THERE ARE ANY M ATERIAL UNCERTAIN TAX POSITIONS AND ACCORDINGLY, NO PROVISION FOR INCOME TAXES HAS BEEN MA DE IN THE ACCOMPANYING FINANCIAL STATEMENTS THE INSTITUTE IS SUBJECT TO ROUTINE AUDITS BY TAXING JURISDICTIONS, HOWEVER, THERE ARE CURRENTLY NO AUDITS FOR ANY TAX PERIOD IN PROGRE

Supplemental Information

Supplemental Information	
Return Reference	Explanation
PART XI, LINE 4B - OTHER ADJUSTMENTS	K-1 PASSTHROUGH -737

-

efile GRAPHIC print - DO NOT PROCESS As Filed Data - DLN: 9349331926					93493319202529					
SCHEDULE F (Form 990)	State	ement of	Activities (tates	OMB No 1545-0047					
(1 01111 000)	► Comp	lete if the organ	ete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16. ► Attach to Form 990.							
Department of the Treasury Internal Revenue Service	•	► Go to www.irs	. <i>gov/Form</i> 990 for II	r Instructions and the latest information. Open to Public Inspection						
Name of the organization J CRAIG VENTER INSTITU	TE					Employer iden 52-1842938	tification number			
	nformation Part IV, line		s Outside the U	Inited States. Comple	te if the	organization a	nswered "Yes" to			
other assistance,	For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No									
2 For grantmakers outside the United		Part V the org	ganızatıon's proce	dures for monitoring the	use of it	ts grants and oth	ner assistance			
3 Activites per Region	n (The followir	ng Part I, line 3	table can be dupli	cated if additional space is	needed)				
(a) Region		(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in region	(d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region)	program spe	vity listed in (d) is a n service, describe ecific type of ce(s) in region	(f) Total expenditures for and investments in region			
See Add'l Data										
3a Sub-total b Total from continuat	ion sheets to		0 0				100,258 0			
Part I c Totals (add lines 3a	and 3b)		0 0				100,258			
For Paperwork Reduction	Act Notice, see	e the Instructio	ons for Form 990	Cat	No 5008	.2W Schedul	le F (Form 990) 2018			

Page 2

Schedule F (Form 990) 2018

GREENLAND)

Schedule F (Form 990) 2018

exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-

Schedule F (Form 990) 2018 Page 3 Part III Grants and Other Assistance to Individuals Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 16. Part III can be duplicated if additional space is needed. (c) Number of (a) Type of grant or assistance (b) Region (d) Amount of (e) Manner of cash (f) Amount of (g) Description (h) Method of recipients cash grant disbursement non-cash of non-cash valuation (book, FMV, assistance assistance appraisal, other)

Sche	dule F (Form 990) 2018		Page 4
Par	t IV Foreign Forms		
1	Was the organization a U S transferor of property to a foreign corporation during the tax year? If "Yes,"the organization may be required to file Form 926, Return by a U S Transferor of Property to a Foreign Corporation (see Instructions for Form 926)	✓ Yes	□No
2	Did the organization have an interest in a foreign trust during the tax year? If "Yes," the organization may be required to separately file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A, don't file with Form 990)	□Yes	☑ No
3	Did the organization have an ownership interest in a foreign corporation during the tax year? If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons with Respect to Certain Foreign Corporations (see Instructions for Form 5471)	☐Yes	☑ No
4	Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)	✓ Yes	□No
5	Did the organization have an ownership interest in a foreign partnership during the tax year? If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons with Respect to Certain Foreign Partnerships (see Instructions for Form 8865)	✓ Yes	□No
6	Did the organization have any operations in or related to any boycotting countries during the tax year? If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713, don't file with Form 990)	☐Yes	☑ No

Schedule F (F	orm 990) 2018 Page 5
	Supplemental Information Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information (see instructions).
Return Reference	Explanation

990 Schedule F, Supplemental Information

Return Reference Explanation

PART I. LINE 3 ACCRUAL BASIS

990 Schedule F, Supplemental Information

Return Reference	Explanation
PART II, LINE 1	ACCRUAL BASIS

Additional Data

CAYMAN ISLANDS

Software ID: Software Version:

EIN: 52-1842938

Name: J CRAIG VENTER INSTITUTE

38,248

Form 990 Schedule F Part	t I - Activities	Outside The U	Inited States			
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region	
EUROPE (INCLUDING ICELAND & GREENLAND)	0	0	PROGRAM SERVICES	RESEARCH SUBGRANTS	62,010	

INVESTMENTS

DLN: 93493319202529 Note: To capture the full content of this document, please select landscape mode (11" x 8.5") when printing. OMB No 1545-0047 Schedule I **Grants and Other Assistance to Organizations**, (Form 990) Governments and Individuals in the United States Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22. Open to Public ▶ Attach to Form 990. Department of the Inspection ▶ Go to www.irs.gov/Form990 for the latest information. Treasurv Internal Revenue Service Name of the organization Employer identification number J CRAIG VENTER INSTITUTE 52-1842938 Part I **General Information on Grants and Assistance** Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and 1 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000 Part II can be duplicated if additional space is needed (a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (q) Description of (h) Purpose of grant (if applicable) organization (book, FMV, appraisal, noncash assistance or assistance grant cash or government assistance other) (1) See Additional Data (4)(5)(6)(7)(8)(9)(10)(11)(12)Enter total number of section 501(c)(3) and government organizations listed in the line 1 table For Paperwork Reduction Act Notice, see the Instructions for Form 990. Cat No 50055P Schedule I (Form 990) 2018

Page **2**

Schedule I (Form 990) 2018

(3) (4)

OR SERVICES AND AGAINST AN APPROVED BUDGET

Explanation

Schedule I (Form 990) 2018

Part III

(5)

(6)

(7)

Part IV

PART I, LINE 2

Return Reference

Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22

Supplemental Information. Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

EACH SUBGRANT IS A PASS THROUGH GRANT FROM A FEDERAL OR NON-FEDERAL GRANT OR CONTRACT AWARDED TO J CRAIG VENTER INSTITUTE ALL EXPENSES

ARE MONITORED AS INVOICED AT LEAST QUARTERLY, BUT IN MOST CASES MONTHLY THE INVOICES ARE REVIEWED AND APPROVED BASED ON RECEIPT OF GOODS

Additional Data

NORTHFIELD, MN 55057

SANFORD BURNHAM PRESBYS

LA JOLLA, CA 92037

ROAD

10901 NORTH TORREY PINES

Software ID: Software Version: EIN: Name:

51-0197108

EIN: 52-1842938

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

501(C)(3)

Name: J CRAIG VENTER INSTITUTE

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non- cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance		
CARLETON COLLEGE 1 NORTH COLLEGE STREET	41-0694747	501(C)(3)	7,279				RESEARCH SUBGRANT		

RESEARCH SUBGRANT

236,007

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (g) Description of (h) Purpose of grant organization ıf applıcable grant cash (book, FMV, appraisal, non-cash assistance or assistance other) or government assistance 27-3001571 83.378 SYNTHETIC GENOMICS INC IRESEARCH SUBGRANT 11149 N TORREY PINES RD

UNIVERSITY OF CALIFORNIA 95-2226406 501(C)(3) 218,834 RESEARCH SUBGRANT IRVINE

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

120 THEORY SUITE 200 IRVINE, CA 92697

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (g) Description of (h) Purpose of grant organization ıf applıcable grant cash (book, FMV, appraisal, non-cash assistance or assistance other) or government assistance GOVT 379,629 RESEARCH SUBGRANT UNITED STATES TREASURY-

VANDERBILT UNIVERSITY	62-0476822	501(C)(3)	50,423		RESEARCH SUBGRANT
MD 1425 PORTER ST FORT DETRICK, MD 21702					

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

VANDERBILT UNIVERSITY 2201 WEST END AVE

NASHVILLE, TN 37235

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (g) Description of (h) Purpose of grant organization ıf applıcable grant cash (book, FMV, appraisal, non-cash assistance or assistance other) or government assistance 35-6002041 501(C)(3) 17.913 PURDUE UNIVERSITY IRESEARCH SUBGRANT 23510 NETWORK PLACE CHICAGO, IL 60673

23510 NETWORK PLACE
CHICAGO, IL 60673

LELAND STANFORD JR 94-1156365 501(C)(3) 197,729

UNIVERSITY

RESEARCH SUBGRANT

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

3145 PORTER DRIVE PALO ALTO, CA 94304

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (q) Description of (h) Purpose of grant if applicable (book, FMV, appraisal, organization grant cash non-cash assistance or assistance or government other) assistance WOODS HOLE 04-2105850 501(C)(3) 4.424 RESEARCH SUBGRANT

OCEANOGRAPHIC INSTITUTE
569 WOODS HOLE ROAD
WOODS HOLE, MA 02543

COLORADO STATE 84-6000545 501(C)(3) 250,267

RESEARCH SUBGRANT

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

UNIVERSITY

6015 CAMPUS DELIVERY FORT COLLINS, CO 80523

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (g) Description of (h) Purpose of grant organization ıf applıcable grant cash (book, FMV, appraisal, non-cash assistance or assistance other) or government assistance 43-0653611 501(C)(3) 38.130 WASHINGTON UNIVERSITY IRESEARCH SUBGRANT 700 ROSEDALE AVE

700 ROSEDALE AVE ST LOUIS, MO 63112 UNIVERSITY OF CALIFORNIA 95-6006143 501(C)(3) 9,370 LOS ANGELES

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

924 WESTWOOD BLVD LOS ANGELES, CA 90095

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (g) Description of (h) Purpose of grant (book, FMV, appraisal, organization ıf applicable grant cash non-cash assistance or assistance other) or government assistance 56-6001393 501(C)(3) 569.770 UNIVERSITY OF CALIFORNIA TRESEARCH SUBHRANT SAN DIEGO

9500 GILMAN DR LA JOLLA, CA 92037

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

HARVARD UNIVERSITY

BOSTON, MA 02241

04-2103580 501(C)(3) 20.735 IRESEARCH SUBGRANT P O BOX 415649

(a) Name and address of (b) EIN (c) IRC section (d) Amount of cash (e) Amount of non-(f) Method of valuation (a) Description of (h) Purpose of grant organization ıf applicable grant cash (book, FMV, appraisal, non-cash assistance or assistance other) or government assistance 74-0000949 501(C)(3) 13.020 UNIVERSITY OF TEXAS IRESEARCH SUBGRANT PO BOX 660120

DALLAS, TX 75266 UT SOUTHWESTERN MEDICAL 75-6002868 501(C)(3) 6.940 RESEARCH SUBGRANT

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

DALLAS, TX 75284

CENTER PO BOX 814765

efil	e GRAPHIC pr	int - DO NOT PROCESS	As Filed Data	a -	DLN: 934	9331	9202	529			
Sch	edule J	С	ompensat	ion Information	40	IB No	1545-(0047			
(For	n 990)	For certain Offic		Trustees, Key Employees, and Hig	hest	•					
		► Complete if the or	Compensa ganization answ	ated Employees vered "Yes" on Form 990, Part IV	, line 23.	2()	18	}			
D			▶ Attach	n to Form 990. · instructions and the latest infori		pen to Public					
•	tment of the Treasury al Revenue Service	P Go to <u>www.ns.q</u>	101	mstructions and the latest mion		Insp	ectio	n			
	me of the organiza				Employer identificat	ion nu	ımber				
	CATO VENTER INSTIT	OTE.			52-1842938						
Pa	rt I Questi	ons Regarding Compensa	ation								
							Yes	No			
1a				f the following to or for a person liste by relevant information regarding the							
		First-class or charter travel Housing allowance or residence for personal use									
		companions		Payments for business use of perso							
		nification and gross-up paymen lary spending account	ts 🔟	Health or social club dues or initiati Personal services (e g , maid, chau							
	Discretion	iary spending account	₹.	Personal services (e g , maid, chau	neur, cher)						
b		xes in line 1a are checked, did t all of the expenses described ab		ollow a written policy regarding payn nplete Part III to explain	nent or reimbursement	1b	Yes				
2				or allowing expenses incurred by all ir, regarding the items checked in line	- 1-2	2	Yes				
	directors, truste	es, officers, including the CEO/	executive Directo	r, regarding the items checked in line	e la ^r						
3				ed to establish the compensation of t not check any boxes for methods	he						
	_	•		CEO/Executive Director, but explain	ın Part III						
	✓ Compensa	ation committee		Written employment contract							
		ent compensation consultant	<u> </u>	Compensation survey or study							
		of other organizations	✓	Approval by the board or compensa	ation committee						
4	During the year related organiza		990, Part VII, Se	ection A, line 1a, with respect to the f	iling organization or a						
а	_	ance payment or change-of-cor	ntrol navment?			4a		No			
b		r receive payment from, a supp		lified retirement plan?		4b		No			
С	•	r receive payment from, an equ	•	•		4c		No			
	If "Yes" to any o	of lines 4a-c, list the persons ar	d provide the app	olicable amounts for each item in Par	t III						
	Only E01/a\/3) E01(a)(4) and E01(a)(20	\	must complete lines E 0							
5), 501(c)(4), and 501(c)(29 ed on Form 990 Part VII Section		the organization pay or accrue any							
•		ontingent on the revenues of		the organization pay or decrue any							
а	The organization	٦?				5a		No			
b	Any related orga					5b		No			
	-	5a or 5b, describe in Part III									
6		ed on Form 990, Part VII, Section ontingent on the net earnings o		the organization pay or accrue any							
а	The organization					6a		No			
b	Any related orga					6 b		No			
-	-	6a or 6b, describe in Part III	A los 4	his annual and a second	ي .						
7	payments not d	escribed in lines 5 and 6? If "Ye	es," describe in Pa		a	7	Yes				
8				red pursuant to a contract that was section 53 4958-4(a)(3)? If "Yes," d	escribe	8		No			
9	If "Yes" on line 5 53 4958-6(c)?	8, did the organization also folk	ow the rebuttable	presumption procedure described in	Regulations section	9		No_			
For F	Panerwork Redu	ction Act Notice, see the In	structions for Fo	orm 990. Cat No '	50053T Schedule J		1 9901	2018			

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

Part II Officers, Directors, Trustees, Rey Employees, and Ting							
For each individual whose compensation must be reported on Schedule J, report of instructions, on row (ii) Do not list any individuals that are not listed on Form 990	0, Part VII						
Note. The sum of columns (B)(I)-(III) for each listed individual must equal the tot	<u>al amount of Fo</u> r	<u>rm 990, Part VII, Se</u>	≥ction A, line 1a, a	pplicable column (ر	<u>ン) and (E) amour</u>	nts for that indi	vidual
(A) Name and Title	(B) Breal	(B) Breakdown of W-2 and/or 1099-MISC compensation			(D) Nontaxable benefits	columns	Compensation in
	compensation Bonus & incentive		(iii) Other reportable compensation	deferred compensation		(B)(ı)-(D)	column (B) reported as deferred on prior Form 990
See Additional Data Table						•	
	1	1	1		1	I	1
							!
				+			
	+			+			
				+			
1-				+		-	
1							

Schedule 3 (10/11/990) 2010	Page 3									
Part III Supplemental Information										
rovide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II Also complete this part for any additional information										
	Explanation									
Return Reference	Explanation									

ISERVICES - THE ORGANIZATION PROVIDES THE CEO SERVICES OF BODYGUARDS WHEN HE TRAVELS NO PART OF THIS BENEFIT IS TREATED AS TAXABLE

CHARTER TRAVEL FOR BUSINESS PURPOSES NO PART OF THIS BENEFIT IS TREATED AS TAXABLE COMPENSATION SCHEDULE J. PART I. LINE 1A, PERSONAL

Schedule 1 (Form 990) 2018

COMPENSATION

urn Reference	Explanation
7	THE INSTITUTE PROVIDES SERVICE AWARDS FOR ITS EMPLOYEES FOR FIVE, TEN, FIFTEEN AND TWENTY YEARS OF SERVICE

Retu PART I, LINE 7

VP FOR RESEARCH ADMINISTRATION PIEPER REMBERT

CAMPUS

DIRECTOR, ROCKVILLE

DIRECTOR, LA JOLLA CAMPUS

CHIEF TECHNOLOGY OFFICER GLASS JOHN

SMITH HAMILTON O

STAYEAS TIMOTHY V

DIRECTOR, IT NETWORK/SECURITY SUTTON GRANGER G

VP OF HUMAN RESOURCES

(1)

(1)

SCIENTIFIC DIRECTOR

STOUT MARTIN

PROFESSOR

PROFESSOR

YUMUL MARY

SCHEUERMANN RICHARD H

(i) Base Compensation

268,077

336,652

304,336

206,677

319,934

204,767

214,501

212,858

Software ID:

Software Version:

(ii)

Bonus & incentive

compensation

EIN: 52-1842938

Name: J CRAIG VENTER INSTITUTE

(iii)

Other reportable

compensation

roi ili 990, Schedule J,	Part II - Officers, Directors, Trustees, Key Employees, and	nigilest collipelisate	u Employees
(A) Name and Title	(B) Breakdown of W-2 and/or 1099-MISC compensation	(C) Retirement and	(D) Nontaxable

NELSON KAREN PRESIDENT	(1)	705,297	0	4,074	11,000	55,166	775,537	0
	(11)	0	0	0	0	0	0	0
VENTER JOHN CRAIG CHAIRMAN & CHIEF EXEC OFFICER		1,177,027	0	16,284	9,833	36,841	1,239,985	0
		0	0	0	0	0	0	0
NGUYEN TAI THRU 519 VP OF FINANCE/CFO		174,580	0	2,079	5,562	18,920	201,141	0
	(11)	0	0	0	0	o	0	0
ADELSON JULIE VP, LEG AFFRS/GENERAL	(1)	357,400	0	13,415	6,475	27,100	404,390	0
COUNSEL	(11)	0	0	0	0	0	0	0
FRIEDMAN ROBERT M VP FOR POLICY & UNIV	(1)	271,857	0	15,829	9,270	48,535	345,491	0
RELATION	(11)	0	0	0	0	0	0	0
PEAKE ANTONY G	(1)	252,794	0	2.773	10.000	16.330	281.897	0

2,773

5,373

6,354

6,354

4,584

12,576

1,597

3,380

2,335

other deferred

compensation

10,000

7,575

5,500

11,000

7,494

8,360

7,492

7,800

(E) Total of columns

(B)(i)-(D)

281,897

305,114

385,198

376,794

270,440

355.985

273,261

286,910

263,573

benefits

16,330

24,089

36,692

55,104

51,685

23,475

58,537

61,537

40,580

(F) Compensation in

column (B)

reported as deferred on

prior Form 990

0

0

0

0

0

0

0

0

0

NGUYEN TAI THRU 519 VP OF FINANCE/CFO	(1)	174,580	0	2,079	5,562	18,920	201,141	
	(11)	0	0	0	0	0	0	
ADELSON JULIE VP, LEG AFFRS/GENERAL	(1)	357,400	١	13,415	6,475	27,100	,	
COUNSEL	(11)	0	0	0	0	0	0	
FRIEDMAN ROBERT M	α	271 857		1 5 0 2 0	0.370	40 E3E	345 401	

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	te: To capture the full con	tent of this docum	ent, please sele	ct landscape mode	(11" x 8.	5") wh	nen p	rinting.							
	hedule K	Sur	nlemental	Information o	n Tax-F	vem	nt P	Ronds					lo 1545		<u> </u>
(F	orm 990)		•	swered "Yes" to Form					criptions,			2	01	R	
			explanations	s, and any additional		in Part	t VI.								
	artment of the Treasury rnal Revenue Service		▶Go to <u>www.</u>	► Attach to Form 990 irs.gov/Form990 for.		nforma	tion.						n to Pu spection		
	ne of the organization RAIG VENTER INSTITUTE									Emplo	yer ıden	tification	number	•	
J C	TAIG VENTER INSTITUTE									52-18	42938				
Pa	art I Bond Issues														
	(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue p	rice	(f) Description	on of purpose	(g) De	efeased	(h) On behalf of		(i) Pool financing	
													er		<u>.</u>
_	OA MUNICIPAL ETHANIGE	20.4562466		02.22.2046	20.11		D = =			Yes	No	Yes	No	Yes	No
А	CA MUNICIPAL FINANCE AUTHORTIY	20-1563466		03-22-2016	29,1	52,000	KEFUN	ND PRIOR IS	SUE		×		×		X
Pa	art II Proceeds														
					-	4		E	3	C	;			D	
1	Amount of bonds retired														
2	Amount of bonds legally defea														
3	Total proceeds of issue					29,152	2,000								
4	Gross proceeds in reserve fun														
5	Capitalized interest from proce														
6	Proceeds in refunding escrows														
7	Issuance costs from proceeds				549,311										
8	Credit enhancement from pro														
9	Working capital expenditures	•													
10	Capital expenditures from pro														
11	Other spent proceeds														
12	Other unspent proceeds														
13	Year of substantial completion			• •											
14	Were the bonds issued as part	of a current refunding	issue?		Yes X	No	,	Yes	No	Yes	No		Yes	-	No
15	Were the bonds issued as part				^	X	+							+	
	<u> </u>				X	^	\rightarrow							+-	
16 17		as the final allocation of proceeds been made?												+	
	proceeds?	<u> </u>			Х										
Pa	art Ⅲ Private Business U	Jse						-	 		•				
					Yes	No	, +	Yes	No No	Yes	No		Yes	D	No
1	Was the organization a partne financed by tax-exempt bonds				103	X					140				
2	Are there any lease arrangem property?	ents that may result in	private business us			Х									
Ear	Panerwork Peduction Act No			\	Cat	No 50	11035					chedule	K (For	m 00r	1) 2018

d

6

Part IV

b

C

Arbitrage

Penalty in Lieu of Arbitrage Rebate? . . . If "No" to line 1, did the following apply?...

Rebate not due yet?

Exception to rebate?

If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed Is the bond issue a variable rate issue?

Was the hedge superintegrated?

hedge with respect to the bond issue?

the issue are remediated in accordance with the requirements under

Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and

Has the organization or the governmental issuer entered into a qualified

If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside

Enter the percentage of financed property used in a private business use by entities other than

If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of . . . If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1 141-12

Has the organization established written procedures to ensure that all nonqualified bonds of

counsel to review any research agreements relating to the financed property?

a section 501(c)(3) organization or a state or local government Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3)

Does the bond issue meet the private security or payment test? . . .

Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were Page 2

D

Schedule K (Form 990) 2018

No

Yes

Χ

Χ

No

Χ

Χ

Χ

Χ

Χ

Α

Yes

Х

Χ

Х

В

No

Yes

C

No

Yes

Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program

В

No

Explanation

No

Yes

Х

Supplemental Information. Provide additional information for responses to questions on Schedule K (see instructions).

PROJECT COMPLETED IN NOVEMBER 2013 2011 BOND WAS REFINANCED IN 2016

Yes

Χ

C

No

Yes

No

Yes

R

No

Yes

Page 3

No

D

D

No

Yes

Yes

Schedule K (Form 990) 2018

(GIC)?

period?

Part VI

Arbitrage (Continued)

Was the regulatory safe harbor for establishing the fair market value of

Were any gross proceeds invested beyond an available temporary

Has the organization established written procedures to monitor the

Procedures To Undertake Corrective Action

if self-remediation is not available under applicable regulations?

requirements of section 148? . . .

Return Reference

SCHEDULE K - TAX EXEMPT BONDS

Additional Data



Name: J CRAIG VENTER INSTITUTE

PROJECT COMPLETED IN NOVEMBER 2013 2011 BOND WAS REFINANCED IN 2016

Explanation

Return Reference

BONDS

SCHEDULE K - TAX EXEMPT

efile GRAPHI	C print - DO	NOT PROCES	S As	Filed Data -					DL	N: 93	4933	192	02529		
Schedule L (Form 990 or 990	I-EZ) ► Comp			ons with Ir				5a, 2	25b, 26		МВ No	1545	-0047		
		27, 28a,	, 28b, or ► At	28c, or Form 99 tach to Form 990	0-EZ, Part V) or Form 99	, line 38a or 4 00-EZ.	ю.	,	·		2018				
Department of the Tre	I	⊳ Go t	o <u>www.i</u>	irs.gov/Form990	for the late	st informatior	1.				Open	to P	ublic		
Internal Revenue Serv Name of the org	anızatıon						Er	nplo	yer ide	ntifica		oecti numb			
J CRAIG VENTER IN	NSTITUTE						52	-184	2938						
				01(c)(3), section 5 in Form 990, Part 1						20 40h					
) Name of disqu			b) Relationship be					escript		(d) Cor	rected?		
	'	'	`	•	rganızatıon	,			ansactı			es	No		
							-								
							_								
Part II Los	ans to and/onplete if the orgorted an amour	or From Interganization answent on Form 990, on point (c) Purpose	rested Fered "Yes' Part X, III (d) Loa	" on Form 990-EZ, ne 5, 6, or 22 an to or from the rganization?			0, Pai (g) defa	In ult?	(I Appro boai comm	o, or if h) ved by rd or nittee?	(i)Writ	iten ent?		
			То	From			Yes	No	Yes	No	Yes		No		
Total	•		•	•	\$					•					
Part III Gra	nts or Assist	tance Benefit	tina Int	erested Persoi	ns.										
				"Yes" on Form 9		, line 27.									
(a) Name of Inter	rested person	(b) Relationship interested perso organizat	on and th		of assistance	(d) Type o	of assi	stanc	e	(e) Pu	rpose (of ass	istance		
									_						
						1			_						
For Paperwork Rec	luction Act Notic	e, see the Instru	ctions for	Form 990 or 990-E	Z. C	l at No 50056A		Scl	redule I	(Form	990 0	r 990-	EZ) 2018		

	organization			reven	ues?
				Yes	No
(1) HEATHER KOWALSKI COMMUNICATIONS LLC	SEE PART V	80,000	PUBLIC RELATIONS SERVICES		No
Part V Supplemental Information	_	_	_		

Provide additional information for responses to questions on Schedule L (see instructions) Return Reference

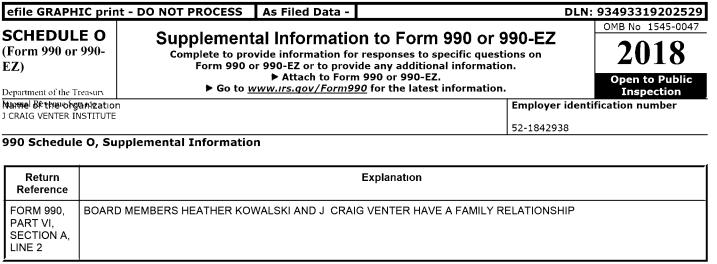
Explanation SCHEDULE L, PART IV (A) NAME OF PERSON HEATHER KOWALSKI COMMUNICATIONS LLC(B) RELATIONSHIP BETWEEN

INTERESTED PERSON AND ORGANIZATION ENTITY SET UP IN THE NAME OF HEATHER KOWALSKI. SPOUSE OF FOUNDER, BOARD MEMBER SINCE 2014 (C) AMOUNT OF TRANSACTION \$ 80,000(D) DESCRIPTION OF

TRANSACTION PUBLIC RELATIONS SERVICES Schedule L (Form 990 or 990-EZ) 2018

efile GRAPHIC print - DO NOT PROCESS As Filed Data -DLN: 93493319202529 SCHEDULE M OMB No 1545-0047 **Noncash Contributions** (Form 990) ▶Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30. ▶ Attach to Form 990. ▶Go to www.irs.gov/Form990 for the latest information. Open to Public Department of the Treasury Internal Revenue Service Inspection Name of the organization Employer identification number J CRAIG VENTER INSTITUTE 52-1842938 Part I Types of Property (b) (a) (c) (d) Check if Number of contributions or Noncash contribution Method of determining applicable items contributed amounts reported on noncash contribution amounts Form 990, Part VIII, line 1g 1 Art-Works of art . . Art—Historical treasures Art—Fractional interests 4 Books and publications Clothing and household goods Cars and other vehicles **7** Boats and planes . . 8 Intellectual property . . . Securities-Publicly traded . 5,923,000 FMV 10 Securities—Closely held stock . 11 Securities—Partnership, LLC, or trust interests 12 Securities—Miscellaneous . 13 Qualified conservation contribution—Historic structures . . . Qualified conservation contribution—Other . Real estate—Residential . Real estate—Commercial . Real estate—Other . . 18 Collectibles 19 Food inventory . . . 20 Drugs and medical supplies . 21 Taxidermy 22 Historical artifacts . 23 Scientific specimens . . 24 Archeological artifacts . . 25 Other ▶ (___ Other ▶ (______) 26 27 Other ▶ (______) Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement Yes No 30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which is not required to be used for exempt 30a Nο b If "Yes," describe the arrangement in Part II Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions? 31 Yes 32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash 32a Nο b If "Yes," describe in Part II If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, Schedule M (Form 990) (2018) For Paperwork Reduction Act Notice, see the Instructions for Form 990. Cat No 51227J

Schedule M (Form 990) (2018)	Page 2
Part II Supplemental Info	ormation.
	tion required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part Lumber of contributions, the number of items received, or a combination of both. Also complete litional information.
Return Reference	Explanation
PART I, COLUMN (B)	PART I, COLUMN B REPORTS THE NUMBER OF CONTRIBUTIONS
	Schedule M (Form 990) (2018)



Return Explanation
Reference

FORM 990, PART VI, SECTION B, LINE 11B

Return Explanation

FORM 990, JCVI MONITORS COMPLIANCE OF ITS CONFLICT OF INTEREST POLICY THROUGH AN ANNUAL SOLICITATION OF CONFLICT OF INTEREST STATEMENTS FROM TRUSTEES, OFFICERS, AND EMPLOYEES IF A PERSON HA SECTION B, S A CONFLICT WITH RESPECT TO A TRANSACTION, SUCH PERSON IS NOT ALLOWED TO VOTE LINE 12C

Return Explanation

FORM 990, PART VI, SECTION B, LINE 15

Return Explanation
Reference

LINE 19

FORM 990, PART VI, SECTION C,

990 Schedule O, Supplemental Information Return Explanation Reference FORM 990, K-1 PASSTHROUGH 737 PART XI,

LINE 9

efile GRAPHIC print - DO NOT PROCESS As Filed Data -**SCHEDULE R**

(Form 990)

Department of the Treasury

J CRAIG VENTER INSTITUTE

Internal Revenue Service Name of the organization **Related Organizations and Unrelated Partnerships**

Identification of Disregarded Entities Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

► Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37. ▶ Attach to Form 990.

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

OMB No 1545-0047 2018

Employer identification number

52-1842938

DLN: 93493319202529

Open to Public Inspection

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	Legal dor	c) nicile (state n country)	(d) Total income	(e) End-of-year assets	(f) Direct controllin entity	ng	
(1) OCEAN SOLUTION LLC 4120 CAPRICORN LANE LA JOLLA, CA 92037 26-0145075	DEVELOPMENT		DE	0	1,033,128	JCVI		
(2) SORCERER II LLC 4120 CAPRICORN LANE LA JOLLA, CA 92037 56-2370157	RESEARCH		RI	0	1,484,161	JCVI		
								_
								<u> </u>
								_
Part II Identification of Related Tax-Exempt Organizations related tax-exempt organizations during the tax year.	Complete if the orga	inization ansv	vered "Yes	" on Form 990,	Part IV, line 34 b	ecause it had one o	r more	
(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (or foreign cour	state Exer	(d) mpt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	en	ontrolle itity?
							Yes	No
							\perp	
							\bot	
							+	
							_	
For Panerwork Peduction Act Notice see the Instructions for Form 990		Cat No	50135V			Schedule P (Forn	n 990\ 3	018

(a) Name, address, and EIN of related organization			(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income(related, unrelated, excluded fron tax under sections 512- 514)	d, total incom		Disprop	h) ortionate itions?	(i) Code V-UI amount in I 20 of Schedule k (Form 106	oox ma pa -1	(j) neral or naging rtner?		itage
					314)			Yes	No	1	Ye	s No	1	
											_	+		
Identification of Related Organiza because It had one or more related o						ization ans	wered "Yes	" on Fo	orm 99	90, Part I	V, lın	e 34		
		s a corporation	on or trus (c) egal micile or foreign	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp, or trust)	wered "Yes (f) Share of total income	Share	(g) e of end- year assets	of- Per	V, lin-	e	(i) Section 5 (13) continuity	512(b trolled y?
because it had one or more related o (a) Name, address, and EIN of	rganizations treated as	s a corporation	on or trus (c) egal micile	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp,	(f) Share of total	Share	(g) e of end- year	of- Per	(h)	e	Section 5 (13) cont entity	512(b trolled
because it had one or more related o (a) Name, address, and EIN of	rganizations treated as	s a corporation	on or trus (c) egal micile or foreign	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp,	(f) Share of total	Share	(g) e of end- year	of- Per	(h)	e	Section 5 (13) cont entity	512(b trolled y?
because it had one or more related o (a) Name, address, and EIN of	rganizations treated as	s a corporation	on or trus (c) egal micile or foreign	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp,	(f) Share of total	Share	(g) e of end- year	of- Per	(h)	e	Section 5 (13) cont entity	512(b trolled y?
because it had one or more related o (a) Name, address, and EIN of	rganizations treated as	s a corporation	on or trus (c) egal micile or foreign	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp,	(f) Share of total	Share	(g) e of end- year	of- Per	(h)	e	Section 5 (13) cont entity	512(b trolled y?
because it had one or more related o (a) Name, address, and EIN of	rganizations treated as	s a corporation	on or trus (c) egal micile or foreign	st during th	(d) controlling Tyentity	(e) pe of entity corp, S corp,	(f) Share of total	Share	(g) e of end- year	of- Per	(h)	e	Section 5 (13) cont entity	512(b trolled y?

chedule R (Form 990) 2018	P	age 3
Part V Transactions With Related Organizations Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.		
Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule	Yes	No
1 During the tax year, did the orgranization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?		
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or(iv) rent from a controlled entity	1a	
b Gift, grant, or capital contribution to related organization(s)	1b	
c Gift, grant, or capital contribution from related organization(s)	1c	
d Loans or loan guarantees to or for related organization(s)	1d	1
e Loans or loan guarantees by related organization(s)	1e	
f Dividends from related organization(s)	1f	
g Sale of assets to related organization(s)	1g	\top
h Purchase of assets from related organization(s)	1h	
i Exchange of assets with related organization(s)	11	
j Lease of facilities, equipment, or other assets to related organization(s)	1j	
k Lease of facilities, equipment, or other assets from related organization(s)	1k	_
l Performance of services or membership or fundraising solicitations for related organization(s)	11	
m Performance of services or membership or fundraising solicitations by related organization(s)	1m	
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	1n	1
o Sharing of paid employees with related organization(s)	10	
p Reimbursement paid to related organization(s) for expenses	1p	_
q Reimbursement paid by related organization(s) for expenses	1q	T

n	Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	1n		
О	Sharing of paid employees with related organization(s)	10		
		L		
Р	Reimbursement paid to related organization(s) for expenses	1 p		
q	Reimbursement paid by related organization(s) for expenses	1 q		
r	Other transfer of cash or property to related organization(s)	1r	Yes	
s	Other transfer of cash or property from related organization(s)	1s		
2	If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds			
_				
	(a) (b) (c) (d) Name of related organization Transaction Amount involved Method of determining am	ount	nyolyo	.d
	type (a-s)	ioulit	iivoive	·u

Part VI Unrelated Organizations Taxable as a Partnership Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships

was not a related organization. See mistractions regarding exclusion													
(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512- 514)		ganizations?	(f) Share of total Income	(g) Share of end-of-year assets		_	(1) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)		or ig ?	(k) Percentage ownership
			514)	Yes	No			Yes	No		Yes	No	
										Schedul	e R (Forn	n 99	0) 2018

