Form **990**

Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

▶ Do not enter social security numbers on this form as it may be made public
▶ Information about Form 990 and its instructions is at *www.IRS.gov/form990*

OMB No 1545-0047
2014
Open to Public Inspection

A For the 2014 calendar year, or tax year beginning 01-01-2014 , and ending 12-31-2014

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

C Name of organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE
% DAVID LAVERGNE

Doing business as

Number and street (or P O box if mail is not delivered to street address) | Room/suite
445 N 5TH STREET

City or town, state or province, country, and ZIP or foreign postal code
PHOENIX, AZ 85004

D Employer identification number
75-3065445

E Telephone number
(602) 343-8400

G Gross receipts $ 86,632,843

F Name and address of principal officer
JEFFREY M TRENT PHD
445 N 5TH STREET SUITE 600
PHOENIX,AZ 85004

H(a) Is this a group return for subordinates? ☐ Yes ☑ No

H(b) Are all subordinates included? ☐ Yes ☐ No
If "No," attach a list (see instructions)

H(c) Group exemption number ▶

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

J Website: ▶ WWW TGEN ORG

K Form of organization ☑ Corporation ☐ Trust ☐ Association ☐ Other ▶

L Year of formation 2002 **M** State of legal domicile AZ

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities
SEE SCHEDULE O

2 Check this box ▶☑ if the organization discontinued its operations or disposed of more than 25% of its net assets

3	Number of voting members of the governing body (Part VI, line 1a)	3	12
4	Number of independent voting members of the governing body (Part VI, line 1b)	4	11
5	Total number of individuals employed in calendar year 2014 (Part V, line 2a)	5	349
6	Total number of volunteers (estimate if necessary)	6	85
7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	-8,333
b	Net unrelated business taxable income from Form 990-T, line 34	7b	-600,345

		Prior Year	Current Year
Revenue			
8	Contributions and grants (Part VIII, line 1h)	25,261,567	15,937,701
9	Program service revenue (Part VIII, line 2g)	23,328,457	17,307,268
10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	16,761,926	49,382,196
11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	1,170,902	1,618,401
12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	66,522,852	84,245,566
Expenses			
13	Grants and similar amounts paid (Part IX, column (A), lines 1–3)	0	0
14	Benefits paid to or for members (Part IX, column (A), line 4)	0	0
15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	26,747,949	25,596,001
16a	Professional fundraising fees (Part IX, column (A), line 11e)	0	0
b	Total fundraising expenses (Part IX, column (D), line 25) ▶0		
17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	31,046,486	30,799,882
18	Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)	57,794,435	56,395,883
19	Revenue less expenses Subtract line 18 from line 12	8,728,417	27,849,683

Net Assets or Fund Balances		Beginning of Current Year	End of Year
20	Total assets (Part X, line 16)	48,515,458	78,134,333
21	Total liabilities (Part X, line 26)	16,101,835	19,850,175
22	Net assets or fund balances Subtract line 21 from line 20	32,413,623	58,284,158

Part II Signature Block

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

Sign Here

Signature of officer — Date 2015-11-11

TERESA BURLESON COO
Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name	Preparer's signature	Date	Check ☐ if self-employed	PTIN
BRENDA GRIESEMER	BRENDA GRIESEMER			P00264669

Firm's name ▶ ERNST & YOUNG US LLP — Firm's EIN ▶

Firm's address ▶ TWO NORTH CENTRAL AVENUE STE 2300
PHOENIX, AZ 85004 — Phone no (602) 322-3000

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

Part III **Statement of Program Service Accomplishments**

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

1 Briefly describe the organization's mission

SEE SCHEDULE O

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? . . . . ☑ Yes ☐ No

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

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? . . . . ☑ Yes ☐ No

If "Yes," describe these changes on Schedule O

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

4a (Code) (Expenses $ 10,397,339 including grants of $ 0) (Revenue $ 5,650,797)

Integrated Cancer Genomics Division - SEE SCHEDULE O

4b (Code) (Expenses $ 6,846,387 including grants of $ 0) (Revenue $ 1,707,995)

Neurogenomics Division - SEE SCHEDULE O

4c (Code) (Expenses $ 11,126,899 including grants of $ 0) (Revenue $ 792,334)

Genotyping Technology Center - SEE SCHEDULE O

4d Other program services (Describe in Schedule O)

(Expenses $ 5,381,552 including grants of $ 0) (Revenue $ 10,782,876)

4e **Total program service expenses** ▶ 33,752,177

Part IV Checklist of Required Schedules

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

Part IV Checklist of Required Schedules *(continued)*

			Yes	No
21	Did the organization report more than $5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? *If "Yes," complete Schedule I, Parts I and II*	21		No
22	Did the organization report more than $5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? *If "Yes," complete Schedule I, Parts I and III*	22		No
23	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	
24a	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		No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		
c	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		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		
25a	**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
26	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
27	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
28	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
b	A family member of a current or former officer, director, trustee, or key employee? *If "Yes," complete Schedule L, Part IV*	28b		No
c	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	
29	Did the organization receive more than $25,000 in non-cash contributions? *If "Yes," complete Schedule M*	29	Yes	
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? *If "Yes," complete Schedule M*	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? *If "Yes," complete Schedule N, Part I*	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? *If "Yes," complete Schedule N, Part II*	32	Yes	
33	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	
34	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	Yes	
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	Yes	
b	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	Yes	
36	**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
37	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
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? **Note.** All Form 990 filers are required to complete Schedule O	38	Yes	

Part V Statements Regarding Other IRS Filings and Tax Compliance

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

				Yes	No
1a	Enter the number reported in Box 3 of Form 1096 Enter -0- if not applicable . .	**1a** 38			
b	Enter the number of Forms W-2G included in line 1a Enter -0- if not applicable	**1b** 0			
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		**1c**	Yes	
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return	**2a** 349			
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? **Note.** If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)		**2b**	Yes	
3a	Did the organization have unrelated business gross income of $1,000 or more during the year? . . .		**3a**	Yes	
b	If "Yes," has it filed a Form 990-T for this year? *If "No" to line 3b, provide an explanation in Schedule O* . . .		**3b**	Yes	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?		**4a**		No
b	If "Yes," enter the name of the foreign country ▶ See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR)				
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? . .		**5a**		No
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		**5b**		No
c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		**5c**		
6a	Does the organization have annual gross receipts that are normally greater than $100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions? . . .		**6a**		No
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		**6b**		
7	**Organizations that may receive deductible contributions under section 170(c).**				
a	Did the organization receive a payment in excess of $75 made partly as a contribution and partly for goods and services provided to the payor?		**7a**		No
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?		**7b**		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		**7c**		No
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
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? . .		**7f**		No
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		**7g**		
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		**7h**		
8	**Sponsoring organizations maintaining donor advised funds.** Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?		**8**		
9a	Did the sponsoring organization make any taxable distributions under section 4966? . . .		**9a**		
b	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? . . .		**9b**		
10	**Section 501(c)(7) organizations.** Enter				
a	Initiation fees and capital contributions included on Part VIII, line 12 . . .	**10a**			
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	**10b**			
11	**Section 501(c)(12) organizations.** Enter				
a	Gross income from members or shareholders	**11a**			
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them)	**11b**			
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**			
13	**Section 501(c)(29) qualified nonprofit health insurance issuers.**				
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**		
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans	**13b**			
c	Enter the amount of reserves on hand	**13c**			
14a	Did the organization receive any payments for indoor tanning services during the tax year?		**14a**		No
b	If "Yes," has it filed a Form 720 to report these payments? *If "No," provide an explanation in Schedule O* . .		**14b**		

Part VI **Governance, Management, and Disclosure** *For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.*

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

Section A. Governing Body and Management

				Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year . . .	1a 12			
	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 11			
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? .		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				
a	The governing body? . . .		8a	Yes	
b	Each committee with authority to act on behalf of the governing body? . . .		8b	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? *If "Yes," provide the names and addresses in Schedule O* . . .		9		No

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

			Yes	No
10a	Did the organization have local chapters, branches, or affiliates? . . .	10a		No
b	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		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form? . . .	11a	Yes	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990 . . .			
12a	Did the organization have a written conflict of interest policy? *If "No," go to line 13* . . .	12a	Yes	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts? . . .	12b	Yes	
c	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?			
a	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)			
16a	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	Yes	
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? . . .	16b	Yes	

Section C. Disclosure

17 List the States with which a copy of this Form 990 is required to be filed ▶AZ

18 Section 6104 requires an organization to make its Form 1023 (or 1024 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

▶DAVID LAVERGNE
445 N 5TH STREET SUITE 600
PHOENIX, AR 85004 (602) 343-8799

Part VII **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 year

- 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 directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than $10,000 of reportable compensation from the organization and any related organizations

List persons in the following order individual trustees or directors, institutional trustees, officers, key employees, highest compensated employees, and former such persons

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee): Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations

1b	**Sub-Total** . . . . ▶			
c	**Total from continuation sheets to Part VII, Section A** . . . . ▶			
d	**Total (add lines 1b and 1c)** . . . . ▶	6,393,405	0	532,208

2 Total number of individuals (including but not limited to those listed above) who received more than $100,000 of reportable compensation from the organization ▶58

			Yes	No
3	Did the organization list any **former** officer, director or trustee, key employee, or highest compensated employee on line 1a? *If "Yes," complete Schedule J for such individual*	**3**	Yes	
4	For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than $150,000? *If "Yes," complete Schedule J for such individual*	**4**	Yes	
5	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? *If "Yes," complete Schedule J for such person*	**5**		No

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than $100,000 of compensation from the organization Report compensation for the calendar year ending with or within the organization's tax year

(A) Name and business address	(B) Description of services	(C) Compensation
FIRSTSTRATEGIC, 300 W CLARENDON AVENUE SUITE 460 PHOENIX, AZ 85013	CONSULTING SERVICES	198,000
CANCER RESEARCH AND BIOSTATISTICS, 1730 MINOR AVENUE SUITE 1900 SEATTLE, WA 981011468	RESEARCH SERVICES	190,821
TECH66 LLC, 4557 E VIA LOS CABALLOS PHOENIX, AZ 850286141	CONSULTING SERVICES	181,625
POLSINELLI PC, PO BOX 878681 KANSAS CITY, MO 641878681	LEGAL SERVICES	100,990

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 ▶4

Part VIII Statement of Revenue

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

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514
Contributions, Gifts, Grants and Other Similar Amounts	1a Federated campaigns . . 1a					
	b Membership dues 1b					
	c Fundraising events 1c	0				
	d Related organizations . . . 1d	4,427,718				
	e Government grants (contributions) 1e	6,628,537				
	f All other contributions, gifts, grants, and similar amounts not included above 1f	4,881,446				
	g Noncash contributions included in lines 1a-1f $	1,868,838				
	h **Total.** Add lines 1a-1f . . . . ▶		15,937,701			
Program Service Revenue		Business Code				
	2a RESEARCH CONTRACTS	541711	17,307,268	17,307,268	0	0
	b					
	c					
	d					
	e					
	f All other program service revenue					
	g **Total.** Add lines 2a–2f . . . . ▶		17,307,268			
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts) . . . . ▶		154,921			154,921
	4 Income from investment of tax-exempt bond proceeds . . ▶		0			
	5 Royalties . . . . ▶		0			

	(i) Real	(ii) Personal	(A)	(B)	(C)	(D)
6a Gross rents						
b Less rental expenses						
c Rental income or (loss)	0	0				
d Net rental income or (loss) . . . . ▶			0			
	(i) Securities	(ii) Other				
7a Gross amount from sales of assets other than inventory		51,614,552				
b Less cost or other basis and sales expenses		2,387,277				
c Gain or (loss)		49,227,275				
d Net gain or (loss) . . . . ▶			49,227,275			49,227,275
8a Gross income from fundraising events (not including $ ____________ of contributions reported on line 1c) See Part IV, line 18 . . a						
b Less direct expenses . . . b						
c Net income or (loss) from fundraising events . . ▶			0			
9a Gross income from gaming activities See Part IV, line 19 . . . a						
b Less direct expenses . . . b						
c Net income or (loss) from gaming activities . . . ▶			0			
10a Gross sales of inventory, less returns and allowances . a						
b Less cost of goods sold . . b						
c Net income or (loss) from sales of inventory . . ▶			0			

Miscellaneous Revenue	Business Code	(A)	(B)	(C)	(D)
11a JOINT VENTURE SHARED SERVICES REVENUE	900099	379,755		379,755	
b K-1 PARTNERSHIP FLOW THROUGH REVENUE	900099	-388,088	0	-388,088	
c ALL OTHER REVENUE	900099	1,626,734	1,626,734	0	0
d All other revenue					
e **Total.** Add lines 11a–11d . . . . . . ▶		1,618,401			
12 **Total revenue.** See Instructions . . . . . ▶		84,245,566	18,934,002	-8,333	49,382,196

Part IX Statement of Functional Expenses

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

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

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments See Part IV, line 21	0	0		
2 Grants and other assistance to domestic individuals See Part IV, line 22	0	0		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals See Part IV, lines 15 and 16	0	0		
4 Benefits paid to or for members	0	0		
5 Compensation of current officers, directors, trustees, and key employees	4,610,620	1,752,036	2,858,584	0
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0	0	0	0
7 Other salaries and wages	18,299,817	9,149,908	9,149,909	0
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	614,405	294,914	319,491	0
9 Other employee benefits	699,475	335,748	363,727	0
10 Payroll taxes	1,371,684	658,408	713,276	0
11 Fees for services (non-employees)				
a Management	0	0	0	0
b Legal	592,182	0	592,182	0
c Accounting	358,992	0	358,992	0
d Lobbying	118,800	118,800	0	0
e Professional fundraising services See Part IV, line 17	0			0
f Investment management fees	0	0	0	0
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	7,079,666	5,663,733	1,415,933	
12 Advertising and promotion	27,319	0	27,319	0
13 Office expenses	8,012,196	6,009,147	2,003,049	0
14 Information technology	1,682,274	841,137	841,137	0
15 Royalties	0	0	0	0
16 Occupancy	5,921,219	4,440,914	1,480,305	0
17 Travel	430,820	172,328	258,492	0
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0	0	0	0
19 Conferences, conventions, and meetings	243,283	97,313	145,970	0
20 Interest	34,376		34,376	0
21 Payments to affiliates	0	0	0	0
22 Depreciation, depletion, and amortization	5,216,729	3,912,547	1,304,182	0
23 Insurance	424,859	42,486	382,373	0
24 Other expenses Itemize expenses not covered above (List miscellaneous expenses in line 24e If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O)				
a DUES & SUBSCRIPTIONS	102,057	40,823	61,234	0
b SEMINARS & EDUCATION	90,526	36,102	54,424	0
c RELOCATION	53,776	21,510	32,266	0
d RECRUITMENT	47,700	19,080	28,620	0
e All other expenses	363,108	145,243	217,865	
25 **Total functional expenses.** Add lines 1 through 24e	56,395,883	33,752,177	22,643,706	0
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)	0			

Part X Balance Sheet

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

				(A) Beginning of year		(B) End of year
Assets	1	Cash–non-interest-bearing		18,269,231	1	24,631,525
	2	Savings and temporary cash investments		5,387,283	2	7,600,747
	3	Pledges and grants receivable, net		3,724,063	3	3,525,069
	4	Accounts receivable, net		51,075	4	1,037,099
	5	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees Complete Part II of Schedule L		0	5	0
	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 Part II of Schedule L		0	6	0
	7	Notes and loans receivable, net		0	7	0
	8	Inventories for sale or use		0	8	0
	9	Prepaid expenses and deferred charges		680,217	9	2,029,667
	10a	Land, buildings, and equipment cost or other basis Complete Part VI of Schedule D	10a 38,055,907			
	b	Less accumulated depreciation	10b 29,827,236	10,181,762	10c	8,228,671
	11	Investments—publicly traded securities		0	11	0
	12	Investments—other securities See Part IV, line 11		0	12	0
	13	Investments—program-related See Part IV, line 11		1,971,302	13	24,849,594
	14	Intangible assets		0	14	0
	15	Other assets See Part IV, line 11		8,250,525	15	6,231,961
	16	**Total assets.** Add lines 1 through 15 (must equal line 34)		48,515,458	16	78,134,333
Liabilities	17	Accounts payable and accrued expenses		4,449,211	17	5,949,564
	18	Grants payable		0	18	0
	19	Deferred revenue		9,541,785	19	10,380,601
	20	Tax-exempt bond liabilities		0	20	0
	21	Escrow or custodial account liability Complete Part IV of Schedule D		0	21	0
	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons Complete Part II of Schedule L		0	22	0
	23	Secured mortgages and notes payable to unrelated third parties		1,221,227	23	1,767,395
	24	Unsecured notes and loans payable to unrelated third parties		0	24	0
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24) Complete Part X of Schedule D		889,612	25	1,752,615
	26	**Total liabilities.** Add lines 17 through 25		16,101,835	26	19,850,175
Net Assets or Fund Balances		**Organizations that follow SFAS 117 (ASC 958), check here ▶ ☑ and complete lines 27 through 29, and lines 33 and 34.**				
	27	Unrestricted net assets		21,497,379	27	49,744,801
	28	Temporarily restricted net assets		10,916,244	28	8,539,357
	29	Permanently restricted net assets		0	29	0
		Organizations that do not follow SFAS 117 (ASC 958), check here ▶ ☐ and complete lines 30 through 34.				
	30	Capital stock or trust principal, or current funds			30	
	31	Paid-in or capital surplus, or land, building or equipment fund			31	
	32	Retained earnings, endowment, accumulated income, or other funds			32	
	33	Total net assets or fund balances		32,413,623	33	58,284,158
	34	Total liabilities and net assets/fund balances		48,515,458	34	78,134,333

Part XI Reconcilliation of Net Assets

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

1	Total revenue (must equal Part VIII, column (A), line 12)	1	84,245,566
2	Total expenses (must equal Part IX, column (A), line 25)	2	56,395,883
3	Revenue less expenses Subtract line 2 from line 1	3	27,849,683
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	32,413,623
5	Net unrealized gains (losses) on investments	5	-2,367,236
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	388,088
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	58,284,158

Part XII Financial Statements and Reporting

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

			Yes	No
1	Accounting method used to prepare the Form 990 ☐ Cash ☑ Accrual ☐ Other ______ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O			
2a	Were the organization's financial statements compiled or reviewed by an independent accountant?	2a		No
	If 'Yes,' check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both ☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis			
b	Were the organization's financial statements audited by an independent accountant?	2b	Yes	
	If 'Yes,' check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both ☐ Separate basis ☑ Consolidated basis ☐ Both consolidated and separate basis			
c	If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?	2c	Yes	
	If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O			
3a	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	3a	Yes	
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	3b	Yes	

Additional Data

Software ID:
Software Version:
EIN: 75-3065445
Name: THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) RICHARD L BOALS BOARD MEMBER	1 0 0 0	X						0	0	0
(1) GOVERNOR JAN BREWER BOARD MEMBER	1 0 0 0	X						0	0	0
(2) Robert Bulla Board Member	1 0 0 0	X						0	0	0
(3) Bennett Dorrance Board Member/Secretary	1 0 1 0	X		X				0	0	0
(4) PETER S FINE BOARD MEMBER (THRU 2/14)	1 0 0 0	X						0	0	0
(5) Bert Getz Board Member	1 0 0 0	X						0	0	0
(6) David J Gullen MD Board Member	1 0 0 0	X						0	0	0
(7) Jeffrey Moorad Board Member	1 0 0 0	X						0	0	0
(8) Cindy Parseghian Board Member/Treasurer	1 0 0 0	X		X				0	0	0
(9) William J Post Board Member/Chairman	1 0 1 0	X		X				0	0	0
(10) Richard Silverman Board Member	1 0 0 0	X						0	0	0
(11) The Honorable Greg Stanton Board Member	1 0 0 0	X						0	0	0
(12) Jeffrey M Trent PhD BOARD MEMBER/PRES/SCIENCE DIR	39 0 1 0	X		X				1,295,334	0	120,337
(13) Teresa Burleson Chief Operating Officer	39 0 1 0			X				764,367	0	67,475
(14) Charles K Coleson Chief Financial Officer	29 0 1 0			X				264,145	0	18,448
(15) Michael Berens Deputy Director of Research	40 0 0 0				X			386,107	0	19,442
(16) John Carpten Deputy Director of Sciences	40 0 0 0				X			500,526	0	70,562
(17) David Craig Deputy Director of Informatics	40 0 0 0				X			512,177	0	70,049
(18) James Lowey Vice President, Technology	40 0 0 0				X			201,561	0	9,405
(19) DANIEL VON HOFF EXECUTIVE VICE PRESIDENT	40 0 0 0				X			686,403	0	66,888
(20) Patrick Smith VP, Corporate Development	40 0 0 0					X		624,185	0	8,942
(21) Stephanie A McRae General Counsel	40 0 0 0					X		294,428	0	18,063
(22) Johanna Distefano Professor	40 0 0 0					X		233,725	0	10,077
(23) David Duggan Associate Professor	40 0 0 0					X		227,415	0	21,853
(24) Manuel Estrada Vice President, Finance	40 0 0 0					X		220,702	0	14,143

Form 990, Part VII - Compensation of Officers, Directors,Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position: Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
(26) James Harris Vice President, Business Dev	0 0 0 0						X	182,330	0	16,524

SCHEDULE A (Form 990 or 990EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
▶ Attach to Form 990 or Form 990-EZ.
▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

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

The organization is not a private foundation because it is (For lines 1 through 11, check only one box)

1 ☐ A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**

2 ☐ A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E)

3 ☐ A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**

4 ☐ A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii).** Enter the hospital's name, city, and state __________

5 ☐ An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv).** (Complete Part II)

6 ☐ A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**

7 ☑ An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II)

8 ☐ A community trust described in **section 170(b)(1)(A)(vi)** (Complete Part II)

9 ☐ An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See **section 509(a)(2).** (Complete Part III)

10 ☐ An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**

11 ☐ An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2) See **section 509(a)(3).** Check the box in lines 11a through 11d that describes the type of supporting organization and complete lines 11e, 11f, and 11g

a ☐ **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization **You must complete Part IV, Sections A and B.**

b ☐ **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s) **You must complete Part IV, Sections A and C.**

c ☐ **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions) **You must complete Part IV, Sections A, D, and E.**

d ☐ **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions) **You must complete Part IV, Sections A and D, and Part V.**

e ☐ Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization

f Enter the number of supported organizations . . . . ________

g Provide the following information about the supported organization(s)

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 9 above or IRC section (see instructions))	(iv) Is the organization listed in your governing document? Yes	No	(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
Total						

Part II **Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)** (Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2010	(b) 2011	(c) 2012	(d) 2013	(e) 2014	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")	55,961,459	27,781,232	2,315,103	25,261,567	15,937,701	127,257,062
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf					0	0
3 The value of services or facilities furnished by a governmental unit to the organization without charge					0	0
4 **Total.** Add lines 1 through 3	55,961,459	27,781,232	2,315,103	25,261,567	15,937,701	127,257,062
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						26,217,985
6 **Public support.** Subtract line 5 from line 4						101,039,077

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2010	(b) 2011	(c) 2012	(d) 2013	(e) 2014	(f) Total
7 Amounts from line 4	55,961,459	27,781,232	2,315,103	25,261,567	15,937,701	127,257,062
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	329,668	20,014	1,668	175,334	154,921	681,605
9 Net income from unrelated business activities, whether or not the business is regularly carried on					0	0
10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part VI)					0	0
11 **Total support** Add lines 7 through 10						127,938,667

12 Gross receipts from related activities, etc (see instructions) | 12 | 96,050,028

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

Section C. Computation of Public Support Percentage

14 Public support percentage for 2014 (line 6, column (f) divided by line 11, column (f)) | 14 | 78 975 %

15 Public support percentage for 2013 Schedule A, Part II, line 14 | 15 | 78 643 %

16a **33 1/3% support test—2014.** If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶☑

b **33 1/3% support test—2013.** If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶☐

17a **10%-facts-and-circumstances test—2014.** If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶☐

b **10%-facts-and-circumstances test—2013.** If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and **stop here.** Explain in Part VI how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization ▶☐

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

Part III **Support Schedule for Organizations Described in Section 509(a)(2)**
(Complete only if you checked the box on line 9 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2010	(b) 2011	(c) 2012	(d) 2013	(e) 2014	(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						
3 Gross receipts from activities that are 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						
5 The value of services or facilities 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)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2010	(b) 2011	(c) 2012	(d) 2013	(e) 2014	(f) Total
9 Amounts from line 6						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
b Unrelated business taxable income (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 Other income Do not include gain or 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 the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** ▶☐

Section C. Computation of Public Support Percentage

15 Public support percentage for 2014 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2013 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17 Investment income percentage for **2014** (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from **2013** Schedule A, Part III, line 17	18	

19a **33 1/3% support tests—2014.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶☐

b **33 1/3% support tests—2013.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ▶☐

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

Part IV Supporting Organizations

(Complete only if you checked a box on line 11 of Part I If you checked 11a of Part I, complete Sections A and B If you checked 11b of Part I, complete Sections A and C If you checked 11c of Part I, complete Sections A, D, and E If you checked 11d of Part I, complete Sections A and D, and complete Part V)

Section A. All Supporting Organizations

			Yes	No
1	Are all of the organization's supported organizations listed by name in the organization's governing documents? *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**		
2	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**		
3a	Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? *If "Yes," answer (b) and (c) below.*	**3a**		
b	Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? *If "Yes," describe in* ***Part VI*** *when and how the organization made the determination.*	**3b**		
c	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.*	**3c**		
4a	Was any supported organization not organized in the United States ("foreign supported organization")? *If "Yes" and if you checked 11a or 11b in Part I, answer (b) and (c) below.*	**4a**		
b	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 supervised by or in connection with its supported organizations.* . . .	**4b**		
c	Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? *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**		
5a	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 amendment to the organizing document).*	**5a**		
b	**Type I or Type II only.** Was any added or substituted supported organization part of a class already designated in the organization's organizing document?	**5b**		
c	**Substitutions only.** Was the substitution the result of an event beyond the organization's control?	**5c**		
6	Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (a) its supported organizations, (b) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (c) 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**		
7	Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in IRC 4958(c)(3)(C)), a family member of a substantial contributor, or a 35-percent controlled entity with regard to a substantial contributor? *If "Yes," complete Part I of Schedule L (Form 990).*	**7**		
8	Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? *If "Yes," complete Part II of Schedule L (Form 990).*	**8**		
9a	Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509 (a)(1) or (2))? *If "Yes," provide detail in* ***Part VI.***	**9a**		
b	Did one or more disqualified persons (as defined in line 9(a)) hold a controlling interest in any entity in which the supporting organization had an interest? *If "Yes," provide detail in* ***Part VI.***	**9b**		
c	Did a disqualified person (as defined in line 9(a)) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? *If "Yes," provide detail in* ***Part VI.***	**9c**		
10a	Was the organization subject to the excess business holdings rules of IRC 4943 because of IRC 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? *If "Yes," answer b below.*	**10a**		
b	Did the organization have any excess business holdings in the tax year? *(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).*	**10b**		
11	Has the organization accepted a gift or contribution from any of the following persons?			
a	A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?	**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.*	**11c**		

Part IV Supporting Organizations (continued)

Section B. Type I Supporting Organizations

		Yes	No
1 Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? *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 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? *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		

Section C. Type II Supporting Organizations

		Yes	No
1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? *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		

Section D. All Type III Supporting Organizations

		Yes	No
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (1) a written notice describing the type and amount of support provided during the prior tax year, (2) a copy of the Form 990 that was most recently filed as of the date of notification, and (3) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?	1		
2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? *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		

Section E. Type III Functionally-Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year **(see instructions)**

- **a** ☐ The organization satisfied the Activities Test Complete **line 2** below
- **b** ☐ The organization is the parent of each of its supported organizations Complete **line 3** below
- **c** ☐ The organization supported a governmental entity Describe in Part VI how you supported a government entity (see instructions)

		Yes	No
2 Activities Test **Answer (a) and (b) below.**			
a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? *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.*	3b		

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

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

	Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	**1**		
2	Recoveries of prior-year distributions	**2**		
3	Other gross income (see instructions)	**3**		
4	Add lines 1 through 3	**4**		
5	Depreciation and depletion	**5**		
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	**6**		
7	Other expenses (see instructions)	**7**		
8	**Adjusted Net Income** (subtract lines 5, 6 and 7 from line 4)	**8**		

	Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year)	**1**		
a	Average monthly value of securities	**1a**		
b	Average monthly cash balances	**1b**		
c	Fair market value of other non-exempt-use assets	**1c**		
d	**Total** (add lines 1a, 1b, and 1c)	**1d**		
e	**Discount** claimed for blockage or other factors (explain in detail in Part VI) ____________			
2	Acquisition indebtedness applicable to non-exempt use assets	**2**		
3	Subtract line 2 from line 1d	**3**		
4	Cash deemed held for exempt use Enter 1-1/2% of line 3 (for greater amount, see instructions)	**4**		
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	**5**		
6	Multiply line 5 by 035	**6**		
7	Recoveries of prior-year distributions	**7**		
8	**Minimum Asset Amount** (add line 7 to line 6)	**8**		

	Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	**1**		
2	Enter 85% of line 1	**2**		
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	**3**		
4	Enter greater of line 2 or line 3	**4**		
5	Income tax imposed in prior year	**5**		
6	**Distributable Amount.** Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	**6**		
7	☐ Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)			

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI) See instructions	
7 **Total annual distributions.** Add lines 1 through 6	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI) See instructions	
9 Distributable amount for 2014 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2014	(iii) Distributable Amount for 2014
1 Distributable amount for 2014 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2014 (reasonable cause required--see instructions)			
3 Excess distributions carryover, if any, to 2014			
a From 2009. . . . . . . ______________			
b From 2010. . . . . . . ______________			
c From 2011. . . . . . . ______________			
d From 2012. . . . . . . ______________			
e From 2013. . . . . . . ______________			
f **Total** of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2014 distributable amount			
i Carryover from 2009 not applied (see instructions)			
j Remainder Subtract lines 3g, 3h, and 3i from 3f			
4 Distributions for 2014 from Section D, line 7 $ ______________________			
a Applied to underdistributions of prior years			
b Applied to 2014 distributable amount			
c Remainder Subtract lines 4a and 4b from 4			
5 Remaining underdistributions for years prior to 2014, if any Subtract lines 3g and 4a from line 2 (if amount greater than zero, see instructions)			
6 Remaining underdistributions for 2014 Subtract lines 3h and 4b from line 1 (if amount greater than zero, see instructions)			
7 **Excess distributions carryover to 2015.** Add lines 3j and 4c			
8 Breakdown of line 7			
a From 2010. . . . . . . ______________			
b From 2011. . . . . . . ______________			
c From 2012. . . . . . . ______________			
d From 2013. . . . . . . ______________			
e From 2014. . . . . . . ______________			

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

Facts And Circumstances Test

Return Reference	Explanation
SCHEDULE A, PART II, COLUMN (C)	THE AMOUNTS INCLUDED IN PART II, COLUMN(C) ARE FOR A SHORT PERIOD,

SCHEDULE C
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Political Campaign and Lobbying Activities

For Organizations Exempt From Income Tax Under section 501(c) and section 527

▶ Complete if the organization is described below. ▶ Attach to Form 990 or Form 990-EZ.
▶ Information about Schedule C (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

If the organization answered "Yes" to Form 990, Part IV, Line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations Complete Parts I-A and B Do not complete Part I-C
- Section 501(c) (other than section 501(c)(3)) organizations Complete Parts I-A and C below Do not complete Part I-B
- Section 527 organizations Complete Part I-A only

If the organization answered "Yes" to Form 990, Part IV, Line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)) Complete Part II-A Do not complete Part II-B
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)) Complete Part II-B Do not complete Part II-A

If the organization answered "Yes" to Form 990, Part IV, Line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations Complete Part III

Name of the organization	Employer identification number
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE	75-3065445

Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

1 Provide a description of the organization's direct and indirect political campaign activities in Part IV

2 Political expenditures ▶ $

3 Volunteer hours

Part I-B Complete if the organization is exempt under section 501(c)(3).

1 Enter the amount of any excise tax incurred by the organization under section 4955 ▶ $

2 Enter the amount of any excise tax incurred by organization managers under section 4955 ▶ $

3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? ☐ Yes ☐ No

4a Was a correction made? ☐ Yes ☐ No

b If "Yes," describe in Part IV

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

1 Enter the amount directly expended by the filing organization for section 527 exempt function activities ▶ $

2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities ▶ $

3 Total exempt function expenditures Add lines 1 and 2 Enter here and on Form 1120-POL, line 17b ▶ $

4 Did the filing organization file **Form 1120-POL** for this year? ☐ Yes ☐ No

5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments For each organization listed, enter the amount paid from the filing organization's funds Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC) If additional space is needed, provide information in Part IV

(a) Name	**(b)** Address	**(c)** EIN	**(d)** Amount paid from filing organization's funds If none, enter -0-	**(e)** Amount of political contributions received and promptly and directly delivered to a separate political organization If none, enter -0-

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).

A Check ▶ ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures)

B Check ▶ ☐ if the filing organization checked box A and "limited control" provisions apply

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)	**(a)** Filing organization's totals	**(b)** Affiliated group totals
1a Total lobbying expenditures to influence public opinion (grass roots lobbying)		
b Total lobbying expenditures to influence a legislative body (direct lobbying)		
c Total lobbying expenditures (add lines 1a and 1b)		
d Other exempt purpose expenditures		
e Total exempt purpose expenditures (add lines 1c and 1d)		
f Lobbying nontaxable amount Enter the amount from the following table in both columns		

If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:
Not over $500,000	20% of the amount on line 1e
Over $500,000 but not over $1,000,000	$100,000 plus 15% of the excess over $500,000
Over $1,000,000 but not over $1,500,000	$175,000 plus 10% of the excess over $1,000,000
Over $1,500,000 but not over $17,000,000	$225,000 plus 5% of the excess over $1,500,000
Over $17,000,000	$1,000,000

	(a)	(b)
g Grassroots nontaxable amount (enter 25% of line 1f)		
h Subtract line 1g from line 1a If zero or less, enter -0-		
i Subtract line 1f from line 1c If zero or less, enter -0-		

j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year? ☐ **Yes** ☐ **No**

4-Year Averaging Period Under section 501(h)
(Some organizations that made a section 501(h) election do not have to complete all of the five columns below. See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period

Calendar year (or fiscal year beginning in)	**(a)** 2011	**(b)** 2012	**(c)** 2013	**(d)** 2014	**(e)** Total
2a Lobbying nontaxable amount					
b Lobbying ceiling amount (150% of line 2a, column(e))					
c Total lobbying expenditures					
d Grassroots nontaxable amount					
e Grassroots ceiling amount (150% of line 2d, column (e))					
f Grassroots lobbying expenditures					

Part II-B Complete if the organization is exempt under section 501(c)(3) and has NOT filed Form 5768 (election under section 501(h)).

For each "Yes" response to lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.		(a) Yes	(a) No	(b) Amount
1	During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of			
a	Volunteers?		No	
b	Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?		No	
c	Media advertisements?		No	0
d	Mailings to members, legislators, or the public?		No	0
e	Publications, or published or broadcast statements?		No	0
f	Grants to other organizations for lobbying purposes?		No	0
g	Direct contact with legislators, their staffs, government officials, or a legislative body?		No	0
h	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?		No	0
i	Other activities?	Yes		118,800
j	Total Add lines 1c through 1i			118,800
2a	Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?		No	
b	If "Yes," enter the amount of any tax incurred under section 4912			
c	If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d	If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

Part III-A Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).

			Yes	No
1	Were substantially all (90% or more) dues received nondeductible by members?	1		
2	Did the organization make only in-house lobbying expenditures of $2,000 or less?	2		
3	Did the organization agree to carry over lobbying and political expenditures from the prior year?	3		

Part III-B Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part III-A, line 3, is answered "Yes."

1	Dues, assessments and similar amounts from members	1	
2	Section 162(e) nondeductible lobbying and political expenditures **(do not include amounts of political expenses for which the section 527(f) tax was paid).**		
a	Current year	2a	
b	Carryover from last year	2b	
c	Total	2c	
3	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	3	
4	If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5	Taxable amount of lobbying and political expenditures (see instructions)	5	

Part IV Supplemental Information

Provide the descriptions required for Part I-A, line 1, Part I-B, line 4, Part I-C, line 5, Part II-A (affiliated group list), Part II-A, lines 1 and 2 (see instructions), and Part II-B, line 1 Also, complete this part for any additional information

Return Reference	Explanation
SCHEDULE C, PART II-B, LINE 1I	THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE (TGEN) USES A THIRD PARTY COMMUNICATIONS AND PUBLIC AFFAIRS FIRM TO COORDINATE LOBBYING EFFORTS ON BEHALF OF TGEN THROUGH COMMUNICATION TO LOCAL GOVERNMENT, LEGISLATIVE AND FEDERAL OFFICIALS AND COMMUNITY LEADERS ON TGEN ACTIVITIES

Part IV **Supplemental Information *(continued)***

Return Reference	Explanation

efile GRAPHIC print - DO NOT PROCESS | As Filed Data - | DLN: 93493317063375

SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

▶ Complete if the organization answered "Yes," to Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990.
Information about Schedule D (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047
2014
Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

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

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

5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? ☐ Yes ☐ No

6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? ☐ Yes ☐ No

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

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

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

			Held at the End of the Year
a	Total number of conservation easements	2a	
b	Total acreage restricted by conservation easements	2b	
c	Number of conservation easements on a certified historic structure included in (a)	2c	
d	Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d	

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶______

4 Number of states where property subject to conservation easement is located ▶______

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, and enforcing conservation easements during the year ▶______

7 Amount of expenses incurred in monitoring, inspecting, and enforcing conservation easements during the year ▶ $ ______

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements

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

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i) Revenue included in Form 990, Part VIII, line 1 ▶ $ ______

(ii) Assets included in Form 990, Part X ▶ $ ______

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items

a Revenue included in Form 990, Part VIII, line 1 ▶ $ ______

b Assets included in Form 990, Part X ▶ $ ______

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

3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply)

a ☐ Public exhibition
d ☐ Loan or exchange programs
b ☐ Scholarly research
e ☐ Other
c ☐ Preservation for future 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

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

1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII and complete the following table

		Amount
c Beginning balance	1c	
d Additions during the year	1d	
e Distributions during the year	1e	
f Ending balance	1f	

2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII Check here if the explanation has been provided in Part XIII . . . . ☐

Part V Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	6,491,947	6,571,997	6,553,530	6,331,923	6,676,003
b Contributions					
c Net investment earnings, gains, and losses	94,127	456,554	53,629	643,547	550,880
d Grants or scholarships					
e Other expenditures for facilities and programs	522,692	536,604	35,162	421,940	894,960
f Administrative expenses					
g End of year balance	6,063,382	6,491,947	6,571,997	6,553,530	6,331,923

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as

a Board designated or quasi-endowment ▶

b Permanent endowment ▶

c Temporarily restricted endowment ▶ 100 000 %

The percentages in lines 2a, 2b, and 2c should equal 100%

3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by

		Yes	No
(i) unrelated organizations	3a(i)		No
(ii) related organizations	3a(ii)		No
b If "Yes" to 3a(ii), are the related organizations listed as required on Schedule R?	3b		

4 Describe in Part XIII the intended uses of the organization's endowment funds

Part VI Land, Buildings, and Equipment. Complete if the organization answered 'Yes' to Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land				
b Buildings				
c Leasehold improvements		5,332,890	2,363,873	2,969,017
d Equipment		29,533,041	24,465,127	5,067,914
e Other		3,189,976	2,998,236	191,740
Total. Add lines 1a through 1e *(Column (d) must equal Form 990, Part X, column (B), line 10(c).)* ▶				8,228,671

Part VII **Investments—Other Securities.** Complete if the organization answered 'Yes' to Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

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

Part VIII **Investments—Program Related.** Complete if the organization answered 'Yes' to Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1) EQUITY INVESTMENT IN TD2	1,894,881	F
(2) EQUITY INVESTMENT IN PMED	22,954,713	F
Total. *(Column (b) must equal Form 990, Part X, col (B) line 13)* ▶	24,849,594	

Part IX **Other Assets.** Complete if the organization answered 'Yes' to Form 990, Part IV, line 11d See Form 990, Part X, line 15

(a) Description	(b) Book value
(1) DUE FROM TGEN FOUNDATION	4,360,312
(2) IN-KIND DONATED ASSETS	906,759
(3) INVESTMENT IN 457(B) PLAN	964,890
Total. *(Column (b) must equal Form 990, Part X, col.(B) line 15.)* . . . . ▶	6,231,961

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

1 (a) Description of liability	(b) Book value
Federal income taxes	0
DUE TO EMPLOYEE 457(B) PLAN	964,890
CAPITAL LEASE OBLIGATION	787,725
Total. *(Column (b) must equal Form 990, Part X, col (B) line 25)* ▶	1,752,615

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

Part XI **Reconciliation of Revenue per Audited Financial Statements With Revenue per Return** Complete if the organization answered 'Yes' to Form 990, Part IV, line 12a.

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

Part XII **Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.** Complete if the organization answered 'Yes' to Form 990, Part IV, line 12a.

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

Part XIII **Supplemental Information**

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

Return Reference	Explanation
SCHEDULE D, PART V, LINE 4	TGen's policy for appropriating the distribution of its summer internship program endowment has been designed to support a specific number of summer interns each year for the next 25 years The Institute considered the long-term expected return on its endowment
SCHEDULE D, PART X, LINE 2	Management is of the opinion that substantially all of TGens and the Foundations activities are related to their exempt purposes, and no material uncertain tax positions have been identified or recorded in the accompanying consolidated financial statements at December 31, 2014 or 2013 TGen and the Foundation file Forms 990 in the U S federal jurisdiction and comparable forms in the state of Arizona TAX FILINGS FOR 2011 THROUGH 2014 ARE SUBJECT TO EXAMINATION, HOWEVER, THE INSTITUTE HAS NOT BEEN NOTIFIED OF ANY SUCH EXAMINATIONS

Part XIII Supplemental Information *(continued)*

Return Reference	Explanation

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16.
▶ Attach to Form 990.
▶ Information about Schedule F (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

Part I **General Information on Activities Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 14b.

1 **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.** Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.

3 Activites per Region (The following Part I, line 3 table can be duplicated 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)	**(e)** If activity listed in (d) is a program service, describe specific type of service(s) in region	**(f)** Total expenditures for and investments in region
(1) East Asia and the Pacific			Program services	RESEARCH SERVICES	48,231
(2) East Asia and the Pacific			Program services	SOFTWARE SERVICES	1,890
(3) Europe (Including Iceland and Greenland)			Program services	RESEARCH SERVICES	174,950
(4) South Asia			Program services	SOFTWARE SERVICES	107,024
(5) North America			Program Services	RESEARCH SERVICES	27,496
3a Sub-total					359,591
b Total from continuation sheets to Part I					
c **Totals** (add lines 3a and 3b)					359,591

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" to Form 990, Part IV, line 15, for any recipient who received more than $5,000. Part II can be duplicated if additional space is needed.

1 (a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of non-cash assistance	(h) Description of non-cash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)								
(2)								
(3)								
(4)								

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter . . . . ▶

3 Enter total number of other organizations or entities . . . . ▶

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.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of non-cash assistance	(g) Description of non-cash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part 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 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; do not 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 file Form 5713, International Boycott Report (see Instructions for Form 5713; do not file with Form 990)*	☐ Yes	☑ No

Part V 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).

990 Schedule F, Supplemental Information

Return Reference	Explanation
SCHEDULE F, PART I, LINE 3, COLUMN (F)	THE AMOUNTS REPORTED IN COLUMN (F) ARE DETERMINED BASED ON THE ACCRUAL METHOD OF ACCOUNTING

Schedule J (Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 23.

▶ Attach to Form 990.

▶ Information about Schedule J (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

Part I Questions Regarding Compensation

			Yes	No
1a	Check the appropiate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items ☑ First-class or charter travel ☐ Housing allowance or residence for personal use ☐ Travel for companions ☐ Payments for business use of personal residence ☐ Tax idemnification and gross-up payments ☐ Health or social club dues or initiation fees ☐ Discretionary spending account ☐ Personal services (e g , maid, chauffeur, chef)			
b	If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	**1b**	Yes	
2	Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a?	**2**	Yes	
3	Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director Check all that apply Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III ☑ Compensation committee ☐ Written employment contract ☑ Independent compensation consultant ☑ Compensation survey or study ☐ Form 990 of other organizations ☑ Approval by the board or compensation committee			
4	During the year, did any person listed in Form 990, Part VII, Section A, line 1a with respect to the filing organization or a related organization			
a	Receive a severance payment or change-of-control payment?	**4a**		No
b	Participate in, or receive payment from, a supplemental nonqualified retirement plan?	**4b**		No
c	Participate in, or receive payment from, an equity-based compensation arrangement? If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III	**4c**		No
	Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.			
5	For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of			
a	The organization?	**5a**		No
b	Any related organization? If "Yes," to line 5a or 5b, describe in Part III	**5b**		No
6	For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of			
a	The organization?	**6a**		No
b	Any related organization? If "Yes," to line 6a or 6b, describe in Part III	**6b**		No
7	For persons listed in Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III	**7**	Yes	
8	Were any amounts reported in Form 990, Part VII, paid or accured pursuant to a contract that was subject to the initial contract exception described in Regulations section 53 4958-4(a)(3)? If "Yes," describe in Part III	**8**		No
9	If "Yes" to line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53 4958-6(c)?	**9**		

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

For each individual whose compensation must be reported in Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii) Do not list any individuals that are not listed on Form 990, Part VII

Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual

(A) Name and Title		**(B)** Breakdown of W-2 and/or 1099-MISC compensation			**(C)** Retirement and other deferred compensation	**(D)** Nontaxable benefits	**(E)** Total of columns (B)(i)-(D)	**(F)** Compensation in column(B) reported as deferred in prior Form 990
		(i) Base compensation	**(ii)** Bonus & incentive compensation	**(iii)** Other reportable compensation				
See Additional Data Table								

Part III Supplemental Information

Provide the ınformatıon, explanatıon, or descrıptıons requıred for Part I, lınes 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II
Also complete thıs part for any addıtıonal ınformatıon

Return Reference	Explanation
SCHEDULE J, PART I, LINE 1A	Fırst class travel ıs permıtted by executıve staff only and must, per TGen polıcy, be pre-approved by the Chıef Operatıng Officer These expenses were not consıdered as taxable compensatıon to the recıpıent sınce they were reımbursements for busıness use under an accountable plan
SCHEDULE J, PART I, LINE 7	SOME OF THE PERSONS LISTED IN FORM 990, PART VII WERE PAID BONUSES WHICH WERE BASED ON ACCOMPLISHMENTS OF SPECIFIC MILESTONES AND/OR PERFORMANCE BASES, AS APPROVED BY THE TGEN BOARD OF DIRECTORS
Schedule J, Part II	DEFERRED COMPENSATION INCLUDES RETENTION AGREEMENTS FOR THE PRESIDENT AND CHIEF SCIENTIFIC OFFICER (DR JEFFREY TRENT), THE CHIEF OPERATING OFFICER (TERESA BURLESON), EXECUTIVE VICE PRESIDENT (DANIEL VON HOFF) AND TWO DEPUTY DIRECTORS (JOHN CARPTEN AND DAVID CRAIG) DR TRENT IS ELIGIBLE TO RECEIVE $500,000 ON 03/12/2017, TERESA BURLESON IS ELIGIBLE TO RECEIVE $250,000 ON 11/30/2017, DANIEL VON HOFF IS ELIGIBLE TO RECEIVE $150,000 ON 11/30/2015, AND THE DEPUTY DIRECTORS ARE ELIGIBLE TO RECEIVE $192,000 EACH ON 11/30/2015 PAYABLE BY TGEN AMOUNTS ACCRUED BY TGEN DURING CALENDAR YEAR 2014 UNDER THESE AGREEMENTS HAVE BEEN REPORTED IN SCHEDULE J, PART II, COLUMN (C) AS DEFERRED COMPENSATION AS FOLLOWS JEFFERY M TRENT, PH D $100,000 TERESA BURLESON $50,000 DANIEL VON HOFF $50,000 JOHN CARPTEN $50,000 DAVID CRAIG $50,000

Additional Data

Software ID:
Software Version:
EIN: 75-3065445
Name: THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Form 990, Schedule J, Part II - Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

(A) Name and Title		(B)(i) Base Compensation	(B)(ii) Bonus & incentive compensation	(B)(iii) Other reportable compensation	(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred in prior Form 990
1 Jeffrey M Trent PhD, BOARD MEMBER/PRES/SCIENCE DIR	(i)	911,776	350,000	33,558	110,400	9,937	1,415,671	0
	(ii)	0	0	0	0	0	0	0
1 Teresa Burleson, Chief Operating Officer	(i)	402,080	361,352	935	60,400	7,075	831,842	0
	(ii)	0	0	0	0	0	0	0
2 Charles K Coleson, Chief Financial Officer	(i)	245,076	15,000	4,069	10,400	8,048	282,593	0
	(ii)	0	0	0	0	0	0	0
3 Michael Berens, Deputy Director of Research	(i)	300,634	63,792	21,681	10,400	9,042	405,549	0
	(ii)	0	0	0	0	0	0	0
4 John Carpten, Deputy Director of Sciences	(i)	309,100	190,441	985	60,400	10,162	571,088	0
	(ii)	0	0	0	0	0	0	0
5 David Craig, Deputy Director of Informatics	(i)	266,813	244,759	605	60,400	9,649	582,226	0
	(ii)	0	0	0	0	0	0	0
6 James Lowey, Vice President, Technology	(i)	185,791	15,000	770	8,056	1,349	210,966	0
	(ii)	0	0	0	0	0	0	0
7 Patrick Smith, VP, Corporate Development	(i)	273,330	350,221	634	0	8,942	633,127	0
	(ii)	0	0	0	0	0	0	0
8 Stephanie A McRae, General Counsel	(i)	231,869	43,989	18,570	10,400	7,663	312,491	0
	(ii)	0	0	0	0	0	0	0
9 Johanna Distefano, Professor	(i)	231,358	1,500	867	9,344	733	243,802	0
	(ii)	0	0	0	0	0	0	0
10 David Duggan, Associate Professor	(i)	216,567	10,000	848	9,504	12,349	249,268	0
	(ii)	0	0	0	0	0	0	0
11 Manuel Estrada, Vice President, Finance	(i)	187,778	32,500	424	5,908	8,235	234,845	0
	(ii)	0	0	0	0	0	0	0
12 James Harris, Vice President, Business Dev	(i)	155,914	6,000	20,416	7,536	8,988	198,854	0
	(ii)	0	0	0	0	0	0	0
13 DANIEL VON HOFF, EXECUTIVE VICE PRESIDENT	(i)	616,210	62,280	7,913	60,400	0	746,803	0
	(ii)	0	0	0	0	0	0	0

Schedule L
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Transactions with Interested Persons

▶ Complete if the organization answered "Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.
▶ Attach to Form 990 or Form 990-EZ.
▶Information about Schedule L (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and 501(c)(29) organizations only)

Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b

1 (a) Name of disqualified person	(b) Relationship between disqualified person and organization	(c) Description of transaction	(d) Corrected?	
			Yes	No

2 Enter the amount of tax incurred by organization managers or disqualified persons during the year under section 4958 . . . ▶ $

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization . . . ▶ $

Part II Loans to and/or From Interested Persons.

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a, or Form 990, Part IV, line 26, or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?		(i) Written agreement?	
			To	From			Yes	No	Yes	No	Yes	No
Total		▶ $										

Part III Grants or Assistance Benefiting Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of assistance	(d) Type of assistance	(e) Purpose of assistance

Part IV **Business Transactions Involving Interested Persons.**
Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No
(1) TECH66 LLC WILLIAM BURLESON	SPOUSE OF OFFICER	181,625	CONSULTING SERVICES		No

Part V **Supplemental Information**
Provide additional information for responses to questions on Schedule L (see instructions)

Return Reference	Explanation

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SCHEDULE M
(Form 990)

Department of the Treasury
Internal Revenue Service

Noncash Contributions

▶Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.
▶ Attach to Form 990.
▶Information about Schedule M (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

Part I Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1 Art—Works of art				
2 Art—Historical treasures .				
3 Art—Fractional interests . .				
4 Books and publications . .				
5 Clothing and household goods				
6 Cars and other vehicles . .				
7 Boats and planes				
8 Intellectual property . . .				
9 Securities—Publicly traded .				
10 Securities—Closely held stock .				
11 Securities—Partnership, LLC, or trust interests				
12 Securities—Miscellaneous . .				
13 Qualified conservation contribution—Historic structures				
14 Qualified conservation contribution—Other . . .				
15 Real estate—Residential .				
16 Real estate—Commercial . .				
17 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 ▶ (COMPUTER EQUIPMENT)	X	1	1,868,838	COST OR SALES PRICE
26 Other ▶(___________)				
27 Other ▶(___________)				
28 Other ▶ (___________)				

29 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 . . .	29	

		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 purposes for the entire holding period?	30a		No
b If "Yes," describe the arrangement in Part II			
31 Does the organization have a gift acceptance policy that requires the review of any non-standard contributions?	31	Yes	
32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?	32a		No
b If "Yes," describe in Part II			
33 If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II			

Part II **Supplemental Information.** Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Return Reference	Explanation
SCHEDULE M, PART I, COLUMN (B)	THE ORGANIZATION IS REPORTING IN PART I, COLUMN (B) THE NUMBER OF CONTRIBUTIONS RECEIVED

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SCHEDULE N (Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Liquidation, Termination, Dissolution, or Significant Disposition of Assets

▶ Complete if the organization answered "Yes" to Form 990, Part IV, lines 31 or 32; or Form 990-EZ, line 36.
▶ Attach certified copies of any articles of dissolution, resolutions, or plans.
▶ Attach to Form 990 or 990-EZ.
▶ Information about Schedule N (Form 990 or 990-EZ) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

Part I **Liquidation, Termination, or Dissolution.** Complete this part if the organization answered "Yes" to Form 990, Part IV, line 31, or Form 990-EZ, line 36. Part I can be duplicated if additional space is needed. ☐

1	**(a)** Description of asset(s) distributed or transaction expenses paid	**(b)** Date of distribution	**(c)** Fair market value of asset(s) distributed or amount of transaction expenses	**(d)** Method of determining FMV for asset(s) distributed or transaction expenses	**(e)** EIN of recipient	**(f)** Name and address of recipient	**(g)** IRC section of recipient(s) (if tax-exempt) or type of entity

				Yes	No
2	Did or will any officer, director, trustee, or key employee of the organization				
a	Become a director or trustee of a successor or transferee organization?	. . . .	**2a**		
b	Become an employee of, or independent contractor for, a successor or transferee organization?	. . . .	**2b**		
c	Become a direct or indirect owner of a successor or transferee organization?	. . . .	**2c**		
d	Receive, or become entitled to, compensation or other similar payments as a result of the organization's liquidation, termination, or dissolution?	. . . . .	**2d**		
e	If the organization answered "Yes" to any of the questions on lines 2a through 2d, provide the name of the person involved and explain in Part III ▶				

Part I Liquidation, Termination, or Dissolution *(continued)*

Note. If the organization distributed all of its assets during the tax year, then Form 990, Part X, column (B), line 16 (Total assets), and line 26 (Total liabilities), should equal -0-

			Yes	No
3	Did the organization distribute its assets in accordance with its governing instrument(s)? If "No," describe in Part III	3		
4a	Is the organization required to notify the attorney general or other appropriate state official of its intent to dissolve, liquidate, or terminate?	4a		
b	If "Yes," did the organization provide such notice?	4b		
5	Did the organization discharge or pay all of its liabilities in accordance with state laws?	5		
6a	Did the organization have any tax-exempt bonds outstanding during the year?	6a		
b	If "Yes" to line 6a, did the organization discharge or defease all of its tax-exempt bond liabilities during the tax year in accordance with the Internal Revenue Code and state laws?	6b		
c	If "Yes" to line 6b, describe in Part III how the organization defeased or otherwise settled these liabilities If "No" to line 6b, explain in Part III			

Part II Sale, Exchange, Disposition, or Other Transfer of More Than 25% of the Organization's Assets. Complete this part if the organization answered "Yes" to Form 990, Part IV, line 32, or Form 990-EZ, line 36. Part II can be duplicated if additional space is needed.

1 (a) Description of asset(s) distributed or transaction expenses paid	(b) Date of distribution	(c) Fair market value of asset(s) distributed or amount of transaction expenses	(d) Method of determining FMV for asset(s) distributed or transaction expenses	(e) EIN of recipient	(f) Name and address of recipient	(g) IRC section of recipient(s) (if tax-exempt) or type of entity
50% membership interest in PMed	02-14-2014	49,021,598	SALE PRICE	32-0447911	CL PERSONALIZED MEDICINE LLC 400 N MICHIGAN AVE CHICAGO, IL 60611	LLC

			Yes	No
2	Did or will any officer, director, trustee, or key employee of the organization			
a	Become a director or trustee of a successor or transferee organization?	2a		No
b	Become an employee of, or independent contractor for, a successor or transferee organization?	2b		No
c	Become a direct or indirect owner of a successor or transferee organization?	2c		No
d	Receive, or become entitled to, compensation or other similar payments as a result of the organization's significant disposition of assets?	2d		No
e	If the organization answered "Yes" to any of the questions on lines 2a through 2d, provide the name of the person involved and explain in Part III ▶			

Part III **Supplemental Information.** Provide the information required by Part I, lines 2e and 6c, and Part II, line 2e. Also complete this part to provide any additional information.

Return Reference	Explanation
SCHEDULE N, PART II	On 02/14/2014, TGen Health Ventures, LLC, a single-member LLC owned by The Translational Genomics Research Institute (TGEN) SOLD 50% OF ITS MEMBERSHIP INTEREST IN Ashion PMed Management, LLC and Personalized Medicine Partners, LLC, (collectively, "PMED") FOR $25M TO AN UNRELATED THIRD PARTY IN A JOINT VENTURE TRANSACTION FOR THE PURPOSE OF COMMERCIALIZING PERSONALIZED MEDICINE IN CONNECTION WITH THIS JOINT VENTURE TRANSACTION, TGEN AGREED TO CONTRIBUTE A CERTIFIED AND COMPLIANT LABORATORY TO THE JOINT VENTURE, WHICH HAD A NET BOOK VALUE OF APPROXIMATELY $1M WHEN COMPLETED AND TRANSFERRED IN MAY 2014 UPON COMPLETION OF THE LABORATORY CONTRIBUTION, TGEN RECOGNIZED REVENUE OF $25M FOR CASH RECEIVED AND APPROXIMATELY $24M AS A GAIN ON SALE OF THE LABORATORY THIS TRANSACTION EXCEEDS 25% OF TGEN'S NET ASSETS IN ACCORDANCE WITH THE FORM INSTRUCTIONS FOR SCHEDULE N, A SIGNIFICANT DISPOSITION OF NET ASSETS INCLUDES CONTRIBUTION OF ASSETS TO ESTABLISH A JOINT VENTURE IF THE CONTRIBUTION EXCEEDS 25% OF NET ASSETS AT THE BEGINNING OF THE YEAR SCHEDULE N, PART II, LINE 1 REFLECTS THE NET ACTIVITY OF THIS TRANSACTION CASH RECEIVED $ 25,000,000 CONTRIBUTION OF LAB ASSETS $ (978,402) GAIN ON SALE OF LAB ASSETS $ 25,000,000 ------------------- TOTAL $ 49,021,598

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SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on Form 990 or 990-EZ or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.
▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization	Employer identification number
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE	75-3065445

Return Reference	Explanation
FORM 990, PART I, LINE 1, AND PART III, LINE 1	The Translational Genomics Research Institute (TGen) is a nonprofit biomedical research institute focused on developing earlier diagnostics and smarter treatments by employing innovative advances arising from the human genome project and applying them to the development of diagnostics, prognostics and therapies for cancer, neurological disorders, diabetes and other complex diseases

Return Reference	Explanation
FORM 990, PART III, LINE 2	IN 2014, THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE (TGEN) UNDERTOOK THE FOLLOWING NEW ACTIVITIES (1) TGEN'S new CLIA (Clinical Laboratory Improvement Amendments) laboratory, the Dorrance Clinical Laboratory, received all required state and federal certifications, quickening its ability to provide physicians with genomic analysis that can help benefit their patients immediately (2) TGEN ANIMAL HEALTH AN INTERNAL RESEARCH PROJECT WITH A LOCAL ARIZONA FIRM TO EVALUATE THE PORTABILITY OF HUMAN DIAGNOSTIC TOOLS IN THE TREATMENT OF CANINE CANCER TGEN IS ONE OF THE EARLY ADOPTERS OF THE CANINE MODEL AS A VEHICLE TO ACCELERATE HUMAN RESEARCH

Return Reference	Explanation
FORM 990, PART III, LINE 3	IN 2014, THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE (TGEN) SOLD 50% OF ITS MEMBERSHIP INTEREST IN PMED MANAGEMENT, LLC (PMED) TO AN UNRELATED THIRD PARTY IN A JOINT VENTURE TRANSACTION FOR THE PURPOSE OF COMMERCIALIZING PERSONALIZED MEDICINE TGEN RETAINED A 50% MEMBERSHIP INTEREST OF PMED WHICH IS RECORDED AS A PROGRAM RELATED INVESTMENT ON FORM 990, PART X, LINE 13 TGEN RECOGNIZED A $49 0 MILLION GAIN ON THE SALE OF ITS MAJORITY INTEREST THIS GAIN IS REPORTED ON FORM 990, PART VIII, LINE 7

Return Reference	Explanation
FORM 990, PART III, LINE 4A	TGEN'S INTEGRATED CANCER GENOMICS DIVISION BRINGS TOGETHER BIOINFORMATICS, CUTTING-EDGE TECHNOLOGIES AND BASIC RESEARCH TO CREATE A COMPREHENSIVE ATTACK ON CANCER WITH THE ULTIMATE GOAL OF DEVELOPING NEW DIAGNOSTICS AND TREATMENTS SPECIFIC AREAS OF FOCUS INCLUDE PROSTATE CANCER, MELANOMA, FAMILIAL BREAST CANCER, COLON CANCER, MULTIPLE MYELOMA AND RENAL TUMOR RESEARCH KEEPING IN LINE WITH TGEN'S MISSION OF DEVELOPING EARLIER DIAGNOSTICS AND SMARTER TREATMENTS, WE HOPE THIS INTEGRATED APPROACH TO CANCER GENOME RESEARCH WILL HELP TO UNCOVER IMPORTANT INHERITED AND TUMOR DERIVED ALTERATIONS, WHICH ARE ASSOCIATED WITH CANCER SUSCEPTIBILITY AND IMPORTANT TUMOR CHARACTERISTICS SUCH AS PROGRESSION AND RESPONSE TO THERAPY

Return Reference	Explanation
FORM 990, PART III, LINE 4B	THE NEUROGENOMICS DIVISION HAS TWO GOALS, BOTH OF WHICH DERIVE FROM THE OVERARCHING MISSION OF THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE (TGEN) IT IS COMMON KNOWLEDGE THAT EARLY INTERVENTION AND TREATMENT SAVES LIVES WHEN IT COMES TO NEUROLOGICAL DISEASES THEREFORE, OUR FIRST GOAL IS TO IMPROVE THE ABILITY TO DIAGNOSE NEUROLOGICAL DISEASE BEFORE IT STRIKES BECAUSE THESE DISEASES IMPACT SO MANY LIVES AROUND THE WORLD EITHER DIRECTLY (BY HAVING A DISEASE), OR INDIRECTLY (BY CARING FOR A LOVED ONE WITH A DISEASE), THE SECOND GOAL CENTERS ON THE DEVELOPMENT OF NEW 'SMART-DRUG' THERAPIES THERE ARE FIVE LABS WITHIN THE DIVISION, ENCOMPASSING THE ENTIRE BREADTH OF NEUROLOGICAL DISEASE

Return Reference	Explanation
FORM 990, PART III, LINE 4C	TGEN'S GENOTYPING TECHNOLOGY CENTER ANALYZES BITS OF DNA CALLED SINGLE NUCLEOTIDE POLYMORPHISMS (SNPS) WHICH GIVE RESEARCHERS THE POWER TO IDENTIFY DISEASE-CAUSING GENES, ASSOCIATIONS, AND DNA SIGNATURES, ALL OF WHICH HAVE PROFOUND IMPLICATIONS FOR DETECTION, PROGNOSIS AND THERAPEUTIC INTERVENTION THE SNP GENOTYPING CENTER OFFERS INNOVATIVE SOLUTIONS THAT ADDRESS THE REQUIREMENTS FOR FLEXIBILITY, SIMPLICITY, THROUGHPUT, ECONOMY AND ACCURACY

Return Reference	Explanation
FORM 990, PART III, LINE 4D	Introduction In FY14, our 12th year of operations, we experienced significant scientific and medical progress across multiple areas of the institute, many of which reached new heights and forged the potential for significantly greater achievements in the future Unique to this past year is the crystallization of enterprise initiatives that will leverage internal discoveries and developments in genomics research and informatics tools - TGen Animal Health An internal research project with a local Arizona firm to evaluate the portability of human diagnostic tools in the treatment of canine cancer TGen is one of the early adopters of the canine model as a vehicle to accelerate human research - TGen's Center for Rare Childhood Disorders, which we announced late last year, has blossomed during FY14, providing parents an opportunity to discover answers about their children's diagnosis and potential Treatments It was also a year when celebrities and pop culture collided in meaningful ways with TGen to highlight for the general public our goals of using genomic science to further the prevention, detection and treatment of the many significant diseases that plague humanity The General Manager of the New York Yankees, Brian Cashman, joined our National Advisory Council for Pancreatic Cancer Research Arizona State University's football team agreed to join us along with Riddell Sports in neurogenomic research that could help prevent serious sports injuries in the future Miss Arizona, who struggled with her own childhood disorder, agreed to advocate for TGen's neurogenomic research into rare childhood diseases, and Wonder Woman actress Lynda CARTER advocated for our Alzheimer's research She even convinced a fellow actor, Ashton Kutcher, to help spread the word on social media about our MindCrowd org study We are multiplying our investigative and scientific efforts Thanks to Stand Up To Cancer, Dell, and The Ben & Catherine Ivy Foundation, 2014 will see patients enrolled into groundbreaking clinical trials in the study of melanoma and adult brain tumors, bringing to patients the very latest investigational treatments Our new CLIA (Clinical Laboratory Improvement Amendments) laboratory - the Dorrance Clinical Laboratory - received all required state and federal certifications, quickening our ability to provide physicians with genomic analysis that can help benefit their patients immediately Of particular note was the Sept 6 approval by the U S Food and Drug Administration of the drug Abraxane for treatment of advanced pancreatic cancer Physician-In-Chief Dr Daniel Von Hoff is to be commended for his scientific tenacity and dedication to his patients in supervising the immensely complex international clinical trial involving more than 800 patients at more than 150 community and academic centers on three continents that resulted in this significant medical advancement His study was published Oct 16, 2014 in the prestigious New England Journal of Medicine In addition, the following overview provides a snapshot of recent progress in scientific publications, grants, contracts, philanthropy, education and outreach, media and community recognition

Return Reference	Explanation
Peer-Reviewed Laboratory Research Publications and Presentations	As it has been from our very founding in 2002, the focus of our work remains the patient but not the patient of the future Our work is having an impact on patients in need today, many of who cannot afford to wait months or years for treatments that may work Our work leverages the latest technology to survey the human genome at depths few could have imagined a decade ago And our capacity to understand and leverage what the genome is telling us has never been greater Our long-term hope is that doctors will leverage this information to inform decisions about patient care as the standard rather than the exception While this is happening today on a limited basis, we envision a day in the not too distant future where it will happen for all patients across all diseases Much of what we learn is published in leading scientific and medical journals, which continuously adds to the growing knowledge base of molecular research and medicine In FY14, TGen researchers published their research results extensively in numerous scholarly peer-reviewed academic journals and through presentations at leading national and international conferences These include publication in leading scientific journals such as New England Journal of Medicine, Nature Genetics, PLos One, the Journal of Clinical Psychiatry, Journal of the American Medical Association, Proceedings of the National Academy of Sciences USA, and a host of other disease-associated publications

Return Reference	Explanation	
	FY14 Select Highlights	a) Increased survival in pancreatic cancer with nab-paclitaxel plus gemcitabine Von Hoff DD, Ervin T, Arena FP, Chiorean EG, Infante J, Moore M, Seay T, Tjulandin SA, Ma WW, Saleh MN, Harris M, Reni M, Dowden S, Laheru D, Bahary N, Ramanathan RK, Tabernero J, Hidalgo M , Goldstein D, Van Cutsem E, Wei X, Iglesias J, Renschler MF N Engl J Med 2013 Oct 31,36 9(18) 1691-703 b) Phase I trial of AEG35156 an antisense oligonucleotide to XIAP plus gem citabine in patients with metastatic pancreatic ductal adenocarcinoma Mahadevan D, Chalas ani P, Rensvold D, Kurtin S, Pretzinger C, Jolivet J, Ramanathan RK, Von Hoff DD, Weiss GJ Am J Clin Oncol 2013 Jun,36(3) 239-43 c) Ligand-dependent EphB1 signaling suppresses g lioma invasion and correlates with patient survival Teng L, Nakada M, Furuyama N, Sabit H , Furuta T, Hayashi Y, Takino T, Dong Y, Sato H, Sai Y, Miyamoto K, Berens ME, Zhao SG, Ha mada J Neuro Oncol 2013 Dec,15(12) 1710-20 d) Implications of Rho GTPase Signaling in G lioma Cell Invasion and Tumor Progression Fortin Ensign SP, Mathews IT, Symons MH, Berens ME, Tran NL Front Oncol 2013 Oct 4,3 241 e) Whole genome sequencing reveals potential targets for therapy in patients with refractory KRAS mutated metastatic colorectal cancer Shanmugam V, Ramanathan RK, Lavender NA, Sinari S, Chadha M, Liang WS, Kurdoglu A, Izatt T, Christofor ides A, Benson H, Phillips L, Baker A, Murray C, Hostetter G, Von Hoff DD, Cr aig DW, Carpten JD BMC Med Genomics 2014 Jun 18,7 36 f) Association analysis of 9,560 p rostate cancer cases from the International Consortium of Prostate Cancer Genetics confirm s the role of reported prostate cancer associated SNPs for familial disease Teerlink CC, Thibodeau SN, McDonnell SK, Schaid DJ, Rinckleb A, Maier C, Vogel W, Cancel-Tassin G, Egro t C, Cussenot O Carpten J (et al), International Consortium for Prostate Cancer Genetics, Camp NJ, Cannon-Albright LA Hum Genet 2014 Mar,133(3) 347-56 g) Small cell carcinoma of the ovary, hypercalcemic type, displays frequent inactivating germline and somatic mutati ons in SMARCA4 Ramos P, Karnezis AN, Craig DW, Sekulic A, Russell ML, Hendricks WP, Corne veaux JJ, Barrett MT (et al) Nat Genet 2014 May,46(5) 427-9 h) Whole genome analyses of a well-differentiated liposarcoma reveals novel SYT1 and DDR2 rearrangements Egan JB, Ba rrett MT, Champion MD, Middha S, Lenkiew icz E, Evers L, Francis P, Schmidt J, Shi CX, Van Wier S, Badar S, Ahmann G, Kortuem KM, Boczek NJ, Fonseca R, Craig DW, Carpten JD, Borad M J, Stew art AK PLoS One 2014 Feb 5,9(2) e87113 i) Genetic relationship between five psyc hiatric disorders estimated from genome-wide SNPs Cross-Disorder Group of the Psychiatric Genomics Consortium, Lee SH, Ripke S, Neale BM, Faraone SV, Purcell SM, Perlis RH, Mowry BJ, Thapar A, Goddard ME, Witte JS, Absher D, Agartz I Craig DW (et al) Nat Genet 2013 S ep, 45(9) 984-94 j) Whole-genome sequencing of an aggressive BRAF wild-type papillary thy roid cancer identified EML4-ALK translocation as a therapeutic target Demeure MJ, Aziz M, Rosenberg R, Gurley SD, Bussey KJ, Carpten JD World J Surg 2014 Jun,38(6) 1296-305 k) Emerging roles for miRNAs in the development, diagnosis, and treatment of diabetic nephrop athy DiStefano JK, Taila M, Alvarez ML Curr Diab Rep 2013 Aug,13(4) 582-91 l) Whole ge nome analysis of Exserohilum rostratum from the outbreak of fungal meningitis and other in fections Litvintseva AP, Hurst S, Gade L, Frace MA, Hilsabeck R, Schupp JM, Gillece JD, R oe C, Smith D, Keim P, Lockhart SR, Changayil S, Weil MR, MacCannell DR, Brandt ME, Engelt haler DM J Clin Microbiol 2014 Jun 20 m) The 2010 cholera outbreak in Haiti how scienc e solved a controversy Orata FD, Keim PS, Boucher Y PLoS Pathog 2014 Apr 3,10(4) e10039 67 n) Phase II study of induction fixed-dose rate gemcitabine and bevacizumab followed by 30 Gy radiotherapy as preoperative treatment for potentially resectable pancreatic adenoc arcinoma Van Buren G 2nd, Ramanathan RK, Krasinskas AM, Smith RP, Abood GJ, Bahary N, Lem bersky BC, Shuai Y, Potter DM, Bartlett DL, Zureikat AH, Zeh HJ, James Moser A Ann Surg O ncol 2013 Nov,20(12) 3787-93 o) The alzheimer's prevention initiative composite cognitiv e test score sample size estimates for the evaluation of preclinical alzheimer's disease treatments in presenilin 1 E280A mutation carriers Ayutyanont N, Langbaum JB, Hendrix SB, Chen K, Fleisher AS, Friesenhahn M, Ward M, Aguirre C, Acosta-Baena N, Madrigal L, Muoz C , Tirado V, Moreno S, Tariot PN, Lopera F, Reiman EM J Clin Psychiatry 2014 Jun,75(6) 65 2-60 p) Corrigendum Small cell carcinoma of the ovary, hypercalcemic type, displays freq uent inactivating germline and somatic mutations in SMARCA4 Ramos P, Karnezis AN, Craig D W, Sekulic A, Russel ML, Hendricks WP, Corneveaux JJ, Barrett MT, Shumansky K, Yang Y, Sha h SP, Prentice LM, Marra MA, Kiefer J, Zismann VL, McEachron TA, Salhia B, Prat J, D'Angel o E, Clarke BA, Pressey JG, Farley JH, Anthony SP,

Return Reference	Explanation	
	FY14 Select Highlights	Roden RB, Cunliffe HE, Huntsman DG, Trent JM Nat Genet 2014 Jun 26,46(7) 759 q) Small cell carcinoma of the ovary, hypercalcemic type, displays frequent inactivating germline and somatic mutations in SMARCA4 Ramos P, Karnezis AN, Craig DW, Sekulic A, Russell ML, Hendricks WP, Corneveaux JJ, Barrett MT, Shumansky K, Yang Y, Shah SP, Prentice LM, Marra MA , Kiefer J, Zismann VL, McEachron TA, Salhia B, Prat J, D'Angelo E, Clarke BA, Pressey JG, Farley JH, Anthony SP, Roden RB, Cunliffe HE, Huntsman DG, Trent JM Nat Genet 2014 May, 46 (5) 427-9 r) Brain differences in infants at differential genetic risk for late-onset Alzheimer disease a cross-sectional imaging study Dean DC 3rd, Jerskey BA, Chen K, Protas H, Thiyyagura P, Roontiva A, O'Muircheartaigh J, Dirks H, Waskiewicz N, Lehman K, Siniard AL, Turk MN, Hua X, Madsen SK, Thompson PM, Fleisher AS, Huentelman MJ, Deoni SC, Reiman EM JAMA Neurol 2014 Jan,71(1) 11-22 s) Integrated genomic and epigenomic analysis of breast cancer brain metastasis Salhia B, Kiefer J, Ross JT, Metapally R, Martinez RA, Johnson KN, DiPerna DM, Paquette KM, Jung S, Nasser S, Wallstrom G, Tembe W, Baker A, Carpten J , Resau J, Ryken T, Sibenaller Z, Petricoin EF, Liotta LA, Ramanathan RK, Berens ME, Tran NL PLoS One 2014 Jan 29,9(1) e85448 t) Profiles of extracellular miRNA in cerebrospinal fluid and serum from patients with Alzheimer's and Parkinson's diseases correlate with disease status and features of pathology Burgos K, Malenica I, Metpally R, Courtright A, Rakela B, Beach T, Shill H, Adler C, Sabbagh M, Villa S, Tembe W, Craig D, Van Keuren-Jensen K PLoS One 2014 May 5,9(5) e94839 u) CRL4A-FBXW5-mediated degradation of DLC1 Rho GTPase-activating protein tumor suppressor promotes non-small cell lung cancer cell growth Kim TY, Jackson S, Xiong Y, Whitsett TG, Lobello JR, Weiss GJ, Tran NL, Bang YJ, Der CJ Proc Natl Acad Sci U S A 2013 Oct 15,110(42) 16868-73

Return Reference	Explanation	
	Clinical Research / Clinical Trials	TGen has a direct clinical research site through a strategic alliance with the Virginia G Piper Cancer Center (VGPCC) Clinical Trials Program at Scottsdale Healthcare Dr Daniel Von Hoff, TGen's Physician-in-Chief, also serves as the program's Chief Scientific Officer The program focuses on clinical trials with targeted agents and genomics-based individua lized therapy and with an initial focus on cancer, allows the unique opportunity for TGen to transition its laboratory-based research to patient care centered on individualized the rapy The program brings new clinical research into the community, to those patients who would otherwise have to travel someplace else for access to new therapies or prevention age nts According to the National Institutes of Health, only 3% of adults with cancer are par ticipating in clinical trials A recent study shows that if given the opportunity and acce ss to clinical trials, 63% of the population would participate, according to a survey by t he Charlton Research Co With more than 50 active clinical trials for advanced and/or rare cancers, the program is one of the leading centers for Phase I oncology trials in the nat ion Clinical trials with agents directed at specific targets in patients' tumors were lau nched in November 2005 These clinical trials give options that did not exist before to Ph oenix-area patients as well as patients from all over the country The program conducts cl inical trials across a number of cancer types Further development of cancer specific divi sions in pancreatic cancer, breast cancer, leukemia, prostate cancer, lung cancer, and mel anoma are under development In addition to clinical trials, a molecular profiling pilot s tudy has been designed and implemented to test the hypothesis that treatment with a cancer agent selected based on the unique molecular profile of a patient's tumor may be more ben eficial than a treatment selected based on the specific cancer type Patient participation in clinical trials is a necessary component to the research process As noted earlier, on ly 3% of adults with cancer are participating in clinical trials At the VGPCC Clinical Tr ials Program, the clinical trial participation rate is a remarkable 60% Patient participa tion in clinical trials includes - 125 visits per month - 35-45 new patients per month - 400-600 patient samples collected per month FY14 Highlights In July 2013, the Side-Out Fou ndation's breast cancer pilot study showed that cancer patients do better when their treat ment is guided by molecular profiling Specifically, 52 percent of patients with advanced breast cancer received clinical benefit - meaning their disease was controlled for a longe r time - when their cancer was treated based on addressing the abnormal proteins in their tumor Each patient's treatment was "personalized," meaning that the therapy they received was based on their individual tumor biology In September 2013, the U S Food and Drug Ad ministration approved Abraxane for patients with advanced pancreatic cancer, following 7 y ears of rigorous clinical trials Abraxane, the brand name for nab-paclitaxel, was approve d for use in combination with gemcitabine, the previous standard drug therapy, following a large-scale international clinical trial headed by Dr Daniel D Von Hoff, TGen Physician -in-Chief This is a new standard for treatment of metastatic pancreatic cancer that could become the backbone for other new treatment regimens Dr Von Hoff was the Principal Inve stigator of MPACT (Metastatic Pancreatic Adenocarcinoma Clinical Trial), the Phase III cli nical study of 861 cancer patients at 121 sites in North America, Europe and Australia In September 2013, Scottsdale Healthcare and the TGen initiated the first-in-human clinical trial for pancreatic cancer patients using a compound derived from a plant known as "Thund er God vine " The first patient to participate in this clinical trial received treatment a t Scottsdale Healthcare's VPCCC, a partnership of Scottsdale Healthcare and TGen The Thun der God vine (Tripterygium wilfordii), also known as lei gong teng, is native to China, Ja pan and Korea Traditional Chinese medicine has used the vine for more than 2,000 years as a treatment for everything from fever to inflammation and autoimmune diseases, such as mu ltiple sclerosis and rheumatoid arthritis In February 2014, TGen and Mayo CLINIC personal ized drug treatments using genomic sequencing technologies for patients with cholangiocarc inoma Potential new treatment approaches are being validated to develop new tests that ph ysicians can use to guide therapy for this aggressive cancer of the bile ducts that progre sses quickly and is difficult to treat Clinically important findings suggest that targeti ng the EGFR and FGFR cellular pathways may benefit thousands of patients with this disease , according to the study published in the journal PLOS Genetics Half of the patients trea ted in this study responded to either ponatinib (t

Return Reference	Explanation	
	Clinical Research / Clinical Trials	ypically used for certain types of leukemia) or pazopinib (a kidney cancer drug), depending on the genetic alterations identified through sequencing In June 2014, TGen and SHC BEGAN TO study a new cancer immunotherapy to see if it can successfully help patients with advanced pancreatic cancer The Phase 2B clinical trial of CRS-207 and GVAX Pancreas vaccines opened at SHC, where cancer patients are treated with promising new drugs Participants in the study, named ECLIPSE (Efficacy of Combination Listeria/GVAX Immunotherapy in the Pancreatic Cancer Setting), will be randomized so patients receive only the CRS-207 vaccine, or that vaccine combined with the GVAX Pancreas vaccine and low doses of cyclophosphamide A third group of patients will receive a standard chemotherapy

Return Reference	Explanation
Grant Support	In additional to philanthropic donations and research contracts, grant funding is an important funding source for research In FY14, TGen investigators submitted 142 grants totaling $99M TGen was awarded 13 grants, totaling $2 3M, with an additional 76 grants pending and under review totaling $42M Additionally, TGen received $6 3M from 2012 and 2013 pending grants TGen's success rate currently rests at 22 percent of total grants submitted, placing the Institute nearly 4 percent higher than the national average (NIH overall success rate) FY14 Highlights a) A four-year grant from the Department of Defense totaling $938,715 to Dr Paul Keim to conduct genomic profiles of the various near-neighbor forms of the pathogen B pseudomallei, a biological warfare agent b) Five-year grant from NIH totaling $663,574 to Dr Daniel Von Hoff to identify potential glycomarkers for pancreatic and breast cancer in an effort toward early cancer detection c) Five-year grant from the National Science Foundation totaling $499,759 to Dr Lance Price to study microbial biodiversity in relation to soil carbon cycles d) Five-year grant from NIH totaling $974,565 to Dr Matt Huentelman to leverage our genome-wide and Next Generation Sequencing (NGS) genetic data, as well as transcriptome and proteome datasets, to map novel risk loci for late onset Alzheimer's disease (LOAD) that are acting either in epistasis with, or independently of, the APOE E4 allele, which has previously been identified as the strongest LOAD risk signal within the human genome e) Three-year grant from the Defense Science and Technology Laboratory/Porton Down totaling $558,186 to Dr Paul Keim to study the temporal molecular response of Yersinia pestis (plague) to survival in aerosols f) Five-year grant from NIH totaling $479,304 to Dr Dave Duggan to continue and expand the international, multi-site Colon Cancer Family Registry Cohort (CCFRC) program, which now is comprised of more than 10,000 families and individuals at increased risk of colorectal and other cancers g) One-year grant from NIH totaling $259,267 to Dr Bridget Barker to study the possible genetic origins of Valley Fever, specifically, to significantly expand our knowledge of Coccidioides pathogenesis mechanisms, which may lead to novel vaccine candidates and/or new therapeutic options h) Two-year grant from the Michael J Fox Foundation totaling $242,028 to Dr Kendall Jensen to investigate RNA biomarkers in blood plasma and cerebrospinal fluid that might better diagnose Parkinson's disease i) Four-year grant from NIH totaling $93,492 to Dr Dave Duggan to identify multiple susceptibility loci that may better quantify the proportion of variation in complex diseases explained by genetic variants, identify population-specific loci and provide insights into shared molecular pathways that will more efficiently direct subsequent prevention and treatment strategies in the diverse U S population j) Up to Two-year grant from SU2C funding up to $125,000 to Dr Jeffrey Trent (Dr Richard Lo, UCLA), for the Phillip A Sharp Innovation in Collaboration Award to promote development of genome-scale analyses of melanoma treatment sensitivity and resistance k) Two-year grant from the Michael J Fox Foundation totaling $234,354 to Dr Kendall Jensen for a study identifying miRNA biomarkers of dementia to help measure cognitive decline among Parkinson's disease patients Preliminary data suggests using extracellular miRNA could act as an indicator of at-risk patients for future neurological, cognitive, and behavioral complications l) One-year grant from the Michael J Fox Foundation totaling $42,450 to Dr Travis Dunckley to help develop a diagnostic test for early-stage Parkinson's disease by identifying unique PD signatures using miRNA from saliva, enabling test date to be gathered in a relatively non-invasive fashion m) One-year grant from NIH totaling $208,737 to Dr Holly Yin to study ERK inhibitor resistance and ERK isoform-dependent growth in pancreatic cancer n) Two-year grant from the Melanoma Research Alliance totaling $194,763 to Dr Jeffrey Trent to discover and characterize therapeutic molecular targets in acral melanoma o) One-year grant from NIH totaling $162,146 to Dr John Carpten to study the effects of NM23-H1 on the suppression of melanoma initiation and progression p) Three-year grant from USDA totaling $107,856 to Dr Lance Price to study whether raw meat is a risk factor for colonization and infection from Staphylooccus Aureus q) TGen's Dr Muhammed Murtaza is one of four recipients of the 2014 Bisgrove Scholars scholarship, named after Jerry Bisgrove, a TGen Foundation Board Member and a businessman who helped with the initial funds to launch Science Foundation Arizona Dr Murtaza will receive $200,000 over two years towards his research into how to track the evolution of cancer through DNA analysis

Return Reference	Explanation
Enterprise Efforts, Collaboration, Spin-offs and Job Creation	During FY14, TGen formed and secured investment for three companies Invention Disclosures TGen filed 20 invention disclosures in FY14 based on discoveries stemming from TGen-led research, and 20 provisional patent applications Contracts and Collaborations TGen signed a total of 436 contracts in FY14, broken down as follows a) 103 Confidential Disclosure Agreements b) 66 Material Transfer Agreements c) 69 Research Collaborations d) 30 Consulting Agreements e) 61 Professional Service Agreements f) 4 Commercialization Licenses g) 103 agreements covering miscellaneous activities A listing of a number of the major research collaborators include AstraZeneca Pharmaceuticals, Mayo Clinic, Ventana Medical Systems, Side-Out Foundation, Daiichi Sankyo, Onyx Pharmaceuticals, Illumina Inc , George Mason University, GE Healthcare/Janssen Research & Development, Sarcoma Alliance for Research thru Collaboration (SARC), Eli Lilly, GlaxoSmith Kline, Baylor Research Institute, Cancer Treatment Centers of America, Allina Health, Ignyta Operating Inc , Hills Pet Nutrition, Spectrum Health Hospitals, Flagship Biosciences Job Creation Eighteen new full-time equivalent positions were created in 2014 with salaries and benefits totaling $1,531,245 Salaries for temporary positions (those positions created for a finite period of time) totaleD$205,700, which includes temporary TGen staff and temporary service fees Student salaries were just over $439,000, bringing the overall FY14 total to $2,175,944 In terms of education level, eighty-three percent of full-time TGen staff holds a college degree and forty-six percent holds an advanced degree FY 14 full-time positions filled (new and replacements) included - Purchasing Assistant - Purchasing Agent - Manager, Accounting - Research Technician - Clinical Research Coordinator - Payroll Administrator - Administrative Assistant - Accountant, Sr - Executive Assistant - Clinical Research Coordinator - Engineer, HPC - HIPAA Compliance and Risk Management Specialist - Histotechnologist - Patent Attorney - Post-Doc Fellow - Professor - Research Associate - Research Associate II - Staff Scientist - Technician, Facilities - Vice President, Finance

Return Reference	Explanation
Education	TGen's science, education, and community outreach initiatives are designed to assist in the growth of the bioscience workforce in Arizona, increase public fluency in translational medicine, and build an accessible community presence FY14 highlights include 45 Arizona students - selected from nearly 550 Arizona applicants - participated in TGen's flagship, paid summer internship program, Helios Scholars at TGen The Program is a 25-year partnership between TGen and the local Helios Education Foundation, an education-focused philanthropic organization Every TGen division hosted Helios Scholars for hands-on experiences grants and research administration, environmental health and safety, cancer, neurological disease, diabetes and infectious disease Cohort demographics 58 percent attended colleges or universities in Arizona, 22 percent self-identified as races/ethnicities underrepresented in the biosciences, 27 percent were in high school, 71 percent in college and 2 percent in graduate or medical school TGen engaged the nearly 350 Helios Scholars alumni for the third annual alumni networking reception in July at the Sheraton Phoenix Downtown Hotel Alumni provide guidance to each new summer intern class via a panel discussion, sit on the internship selection committee and act as ambassadors for the biosciences within their social and professional networks Keeping them engaged with Arizona and with TGen is a major program goal to ensure the Program delivers on the mission to grow the bioscience workforce in Arizona The Ben and Catherine Ivy Foundation awarded TGen funding for an expanded third year of the Ivy Neurological Sciences Internship Program, a paid internship program now supporting two high school students for paid summer internships, two undergraduates for academic year paid internships, and one medical school candidate for a full calendar year paid internship in neurological disease research and a clinical training module The program has expanded each year over three years to support extended, immersive training experiences for top student talent For the third and final year of the Duke-TGen education partnership, TGen worked directly with Duke University faculty to recruit an undergraduate interested in bioinformatics and genomics to TGen for a 10-week summer internship The TGen-Duke Biomedical Futures program broadened awareness of TGen nationally and set the stage for future faculty collaborations The Duke student has continued to work remotely from North Carolina on a TGen computational biology research project Outside of these programs, TGen hosted approximately 10 additional summer interns, and 50+ academic year interns in FY14 throughout every TGen research division including laboratory and clinical research, research administration, mathematics and computational biology research

Return Reference	Explanation
Public Outreach	In FY14 TGen hosted over 45 public tours (nearly 500 attendees) for students, teachers, community organizations and the general public Tours typically include a presentation providing an overview of the Institute and information on translational medicine TGen took a leadership role in the Arizona Science and Engineering Fair (AzSEF) in FY14 by chairing the judging committee responsible for recruiting, planning and coordinating judges for the over one thousand elementary, junior and senior division students and their projects competing in the state fair The chairs recruited more than 350 judges More than a dozen TGen faculty and staff volunteered as judges for the event, held March 31-April 2 at the Phoenix Convention Center AzSEF sends high school level winners to represent Arizona at the Intel International Science and Engineering Fair This year, BASIS Scottsdale high school student Shrey Gupta, a 2013 Helios Scholar and ongoing academic year intern mentored by TGen's Dr Seungchan Kim, presented his TGen research at the 2014 Intel ISEF in Los Angeles this May and won a $1,000 Third Place Grand Award in Computer Science and an Arizona State University New American University Provost Scholarship TGen also developed an AzSEF Special Award the TGen Excellence in Biomedical Research Award, which recognized two outstanding high school student projects, focusing on research and technology to unravel the genetic underpinnings of human diseases Winners toured TGen laboratories and ate lunch with Dr Trent and the team of three TGen postdoctoral fellows that selected them for the award Students from BASIS Scottsdale public charter school and public Chandler High School won the inaugural award For a second year, TGen participated in the Lesson2Life teacher-training program offered by the Arizona K12 Center Five teachers visited the Institute for a genomics and biotechnology update, a laboratory tour and interaction with a panel of high school and undergraduate interns For a third year, as part of the annual Arizona SciTech Festival, TGen hosted nearly 40 local educators on March 1 for a tour, research update and reception called "TGen for Teachers " Over a dozen faculty and staff participated in the program In addition to inspiring teachers and enhancing their exposure to cutting edge research and technology, the event helped build TGen's reputation as an accessible community partner committed to education Also in support of the Arizona SciTech Festival, TGen participated in future development of the Festival through the "Meeting of the Minds" planning meeting at the Arizona Innovation Summit, provided panelists for the Arizona Internships Panel, and hosted a student blogger for interviews with scientists and their interns Also, in March 2014 during the Phoenix Union High School District spring break, TGen engaged three local high school students from the Be a Leader Foundation for the annual Shadow a Professional Day Each public school student spent a workday with a TGen scientific research associate TGen believes it has a responsibility to offer workforce knowledge and expertise to our education community partners In this spirit, TGen is represented on several boards and working groups including but not limited to Arizona Science Center Pathways Grant Advisory Board, Paradise Valley Unified School District Center for Research in Engineering, Science and Technology (CREST) Advisory Board, Tempe Union High School District Career and Technical Education Evaluation Committee, Deer Valley Unified School District Career and Technical Education Evaluation Committee, Phoenix Healthcare Sector Partnership, Arizona Bioindustry Association Marketing and Communication Committee, Intel ISEF Phoenix Local Arrangements Committee (LAC), Center for the Future of Arizona STEM Diploma Project Advisory Committee

Return Reference	Explanation
Media / Public Recognition	As noted in years past, the overall goal of TGen's media efforts is to build a strong and compelling communications tool set to tell TGen's story immediately to audiences that, over time, will be increasingly aware of TGen and what makes it unique and essential To the end, TGen continually pursues earned media exposure for the institute's research activities In FY14, TGen received just over 1,000 earned media mentions, highlighted by - In December 2013, Drs Kendall Jensen (TGen) and Javier Cardenas (Barrow) received prominent national placement on CBS Evening News and CBS This Morning for our work with Riddell, ASU and Barrow Neurological Institute on concussions - Dr Paul Keim, Director of TGen's Pathogen Genomics Division, was featured for his research of The Plague in a front-page lead-centerpiece story in the Sunday, May 18, edition of The Arizona Republic - During spring sweeps week on April 24, 12 News featured TGen Dr Matt Huentelman describing why we study Obsessive-compulsive disorder (OCD) dogs to find clues for childhood autism - Dr Muhammed Murtaza describes his DNA-based cancer blood tests April 30 on Channel 8's Horizon - CBS Sunday Morning featured TGen Professor Dr Eric Reiman April 13 in a story about his cutting-edge Alzheimer's research - TGen's Center for Rare Childhood Disorders and patient Shelby Valint are featured in the popular annual "Best Doctors" issue of Phoenix Magazine Shelby also is featured in a 12 News report about TGen genomic studies TGen media releases resulted in additional and numerous media mentions locally, nationally and internationally In addition to those outlets mentioned above, others include Forbes Magazine, Washington Business Journal, The Arizona Republic, Phoenix Business Journal, CNBC, 12 News, ABC 15, CBS 5, GenomeWeb Daily News, Arizona Capitol Times, Arizona Daily Sun (Flagstaff), The Greenville News (South Carolina), San Diego Business Journal, Plus Patent News, US Official News, US Fed News, Professional Services Close-Up, Entertainment Close-Up, Business Wire, PRWeb Newswire, States News Service, Targeted News Service, FierceBiotechIT, Express Healthcare, IANS-English, MarketLine NewsWire (Formerly Datamonitor), PressWIRE, Market News Publishing, ENP Newswire, India Pharma News, BioSpectrum (India), India Blooms News Service, Australian Government News In terms of public recognition, TGen faculty and leadership participate in a number of community activities and serve on a number of boards Recognition of TGen's effort serves to help showcase the academic and industry efforts across all of Arizona's biomedical sector FY14 recognition includes a) Arizona Business magazine names TGen its 2014 Bioscience Company of the Year b) TGen President Dr Jeffrey Trent was recognized September 24 by the Arizona Capitol Times as one of Arizona's Leaders of the Year in Public Policy in the category of Healthcare c) Dr Trent presented on a panel July 16 during a biomedical conference in Washington, D C , sponsored by the Brookings Institute d) In May 2014, TGen was recognized by the Greater Phoenix Chamber of Commerce for the 2014 Impact Awards in the small/medium business category as an Economic Driver This recognition is awarded to organizations that exemplify an entrepreneurial spirit and can demonstrate compelling evidence for a positive economic impact on the Greater Phoenix and Arizona communities

Return Reference	Explanation
FORM 990, PART VI, LINE 2	RICHARD BOALS AND WILLIAM POST HAVE A BUSINESS RELATIONSHIP RICHARD BOALS AND ROBERT BULLA HAVE A BUSINESS RELATIONSHIP

Return Reference	Explanation
FORM 990, PART VI, LINE 11B	THE FORM 990 IS PREPARED BY AN OUTSIDE ACCOUNTING FIRM BASED ON INFORMATION PROVIDED BY THE TGEN FINANCE DEPARTMENT THE FORM 990 IS THEN REVIEWED BY THE FINANCE DEPARTMENT AND OTHER MEMBERS OF MANAGEMENT THE FORM 990 IS POSTED ON THE BOARD WEBSITE FOR BOARD REVIEW PRIOR TO FILING WITH THE IRS

Return Reference	Explanation
FORM 990, PART VI, LINE 12C	TGEN DISTRIBUTES A CONFLICT OF INTEREST QUESTIONNAIRE ANNUALLY TO ALL DIRECTOR LEVEL POSITIONS AND ABOVE, IN ADDITION TO ANY KEY EMPLOYEES DESIGNATED BY THE CHIEF OPERATING OFFICER THE QUESTIONNAIRES ARE REVIEWED BY THE CHIEF FINANCIAL OFFICER AND TGEN'S OFFICE OF RESEARCH COMPLIANCE THOSE EMPLOYEES WITH CONFLICTS ARE SENT FOR FURTHER REVIEW TO THE CHIEF OPERATING OFFICER TO ENSURE AN APPROPRIATE PLAN IS SET FORTH UPDATES TO THE LIST ARE HANDLED ON AN AS-NEEDED BASIS, BASED ON CONTRACT REVIEWS AND EMPLOYEE INFORMATION

Return Reference	Explanation
FORM 990, PART VI, LINES 15A AND 15B	TGEN'S GOVERNANCE AND EXECUTIVE COMPENSATION COMMITTEE WILL ACT IN AN "ADVICE AND CONSENT" CAPACITY REVIEWING THE RECOMMENDATIONS FOR THE PRESIDENT AND SCIENTIFIC DIRECTOR REGARDING THE COMPENSATION OF DISQUALIFIED PERSONS AND FORWARDING FINAL RECOMMENDATIONS TO THE FULL BOARD FOR APPROVAL DISQUALIFIED PERSONS (EXCEPT FOR THE PRESIDENT AND SCIENTIFIC DIRECTOR) WILL NOT BE PRESENT FOR, OR PARTICIPATE IN, COMMITTEE DELIBERATIONS CONCERNING THEIR COMPENSATION (OTHER THAN TO ANSWER QUESTIONS) THE PRESIDENT AND SCIENTIFIC DIRECTOR WILL PARTICIPATE IN THE DELIBERATIONS CONCERNING THE COMPENSATION OF DIRECT REPORTS DURING THE DECISION MAKING PROCESS, THE COMMITTEE WILL ADHERE TO THE EXECUTIVE COMPENSATION PHILOSOPHY THE COMMITTEE IS AUTHORIZED (AND PROVIDED WITH SUFFICIENT FUNDING) TO ANNUALLY ENGAGE OUTSIDE INDEPENDENT COMPENSATION AND LEGAL ADVISORS, WHEN DEEMED NECESSARY AND ADVISABLE THE COMMITTEE WILL COMPLY WITH THE "REBUTTABLE PRESUMPTION OF REASONABLENESS" UNDER SECTION 4958 OF THE INTERNAL REVENUE CODE WHENEVER POSSIBLE THE COMMITTEE WILL REVIEW AND UNDERSTAND THE INTERNAL REVENUE CODE PROVISIONS DEALING WITH "EXCESS BENEFIT TRANSACTIONS CONCERNING DISQUALIFIED PERSONS' COMPENSATION " WHEN DEVELOPING A COMPENSATION PHILOSOPHY, TGEN KEPT IN MIND THE FOLLOWING FACTORS THE TGEN MISSION AND STRATEGY THE TGEN CULTURE TRENDS IN COMPENSATION IN THE EXTERNAL ENVIRONMENT TRENDS IN RECRUITMENT OF NEW EMPLOYEES TRENDS IN ORGANIZATIONAL EMPLOYEE TURNOVER TGEN'S LIFE CYCLE STAGE THE COMPENSATION REVIEW PROCESS WAS LAST COMPLETED IN 2014

Return Reference	Explanation
FORM 990, PART VI, LINE 19	THE ORGANIZATION'S GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY, AND FINANCIAL STATEMENTS ARE PROVIDED TO THE GENERAL PUBLIC UPON REQUEST

Return Reference	Explanation
FORM 990, PART VII, SECTION A, LINE 1A	TGEN HAS A BOARD OF GOVERNORS THAT IS COMPRISED OF CURRENT VOTING DIRECTORS AND SOME FORMER DIRECTORS THAT REMAIN AFFILIATED WITH TGEN IN AN ADVISORY ROLE. THE CURRENT NONVOTING ADVISORY GOVERNORS NOT LISTED AS DIRECTORS IN PART VII, SECTION A INCLUDE: BETSY BAYLESS RITA CHENG SUSAN CLARK-JOHNSON WYATT DECKER THE HONORABLE DIANE ENOS ANN WEAVER HART, PH D THE HONORABLE JIM SLATTERY

Return Reference	Explanation
FORM 990, PART XI, LINE 9	BOOK TO TAX DIFFERENCE - K-1 PARTNERSHIP INCOME 388,088

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION CONSORTIUM/CONTRACTUAL TOTAL FEES 3994387

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION OUTSIDE RESEARCH SERVICES TOTAL FEES 1558477

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION CONSULTING TOTAL FEES 1147170

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION TEMPORARY SERVICES TOTAL FEES 379632

SCHEDULE R (Form 990)

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

► Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.
► Attach to Form 990.
► Information about Schedule R (Form 990) and its instructions is at *www.irs.gov/form990*.

OMB No 1545-0047

2014

Open to Public Inspection

Name of the organization
THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Employer identification number
75-3065445

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

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
See Additional Data Table					

Part II **Identification of Related Tax-Exempt Organizations** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity? Yes	No
(1) TGEN RESEARCH INSTITUTE FOUNDATION 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 33-1092191	FUNDRAISING	AZ	501(c)(3)	7	TGEN	Yes	

Part III **Identification of Related Organizations Taxable as a Partnership** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income(related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtionate allocations? Yes	(h) No	(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner? Yes	(j) No	(k) Percentage ownership

Part IV **Identification of Related Organizations Taxable as a Corporation or Trust** Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512 (b)(13) controlled entity? Yes	(i) No

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**		No
b Gift, grant, or capital contribution to related organization(s)	**1b**		No
c Gift, grant, or capital contribution from related organization(s)	**1c**	Yes	
d Loans or loan guarantees to or for related organization(s)	**1d**		No
e Loans or loan guarantees by related organization(s)	**1e**		No
f Dividends from related organization(s)	**1f**		No
g Sale of assets to related organization(s)	**1g**		No
h Purchase of assets from related organization(s)	**1h**		No
i Exchange of assets with related organization(s)	**1i**		No
j Lease of facilities, equipment, or other assets to related organization(s)	**1j**		No
k Lease of facilities, equipment, or other assets from related organization(s)	**1k**		No
l Performance of services or membership or fundraising solicitations for related organization(s)	**1l**		No
m Performance of services or membership or fundraising solicitations by related organization(s)	**1m**	Yes	
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	**1n**	Yes	
o Sharing of paid employees with related organization(s)	**1o**	Yes	
p Reimbursement paid to related organization(s) for expenses	**1p**	Yes	
q Reimbursement paid by related organization(s) for expenses	**1q**		No
r Other transfer of cash or property to related organization(s)	**1r**		No
s Other transfer of cash or property from related organization(s)	**1s**		No

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) Name of related organization	**(b)** Transaction type (a-s)	**(c)** Amount involved	**(d)** Method of determining amount involved
(1) TGEN RESEARCH INSTITUTE FOUNDATION	c	4,427,718	ACTUAL COST
(2) TGEN RESEARCH INSTITUTE FOUNDATION	m	6,435,597	ACTUAL COST
(3) TGEN RESEARCH INSTITUTE FOUNDATION	n	108,000	ACTUAL COST
(4) TGEN RESEARCH INSTITUTE FOUNDATION	o	174,451	ACTUAL COST
(5) TGEN RESEARCH INSTITUTE FOUNDATION	p	978,803	ACTUAL COST

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

(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)	(e) Are all partners section 501(c)(3) organizations?		(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	

Part VII Supplemental Information

Provide additional information for responses to questions on Schedule R (see instructions)

Return Reference	Explanation

Additional Data

Software ID:
Software Version:
EIN: 75-3065445
Name: THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE

Form 990, Schedule R, Part I - Identification of Disregarded Entities

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary Activity	(c) Legal Domicile (State or Foreign Country)	(d) Total income	(e) End-of-year assets	(f) Direct Controlling Entity
TGEN ACCELERATORS LLC (TGAM) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 75-3065445	GENOMICS	AZ	0	0	TGEN
IBCC LLC (THRU 414) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 27-2987735	LICENSING	AZ	0	0	TGAM LLC
THE CENTER FOR TRANSLATIONAL DRUG DEV 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 43-2047329	DRUG DEVEL	AZ	0	0	TGAM LLC
TRANSLATIONAL SYSTEMS LLC 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 46-1309498	ADV RESEARCH	AZ	0	0	TGEN
PET CANCER DIAGNOSTICS LLC 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 000000000	ANIMAL DIAG	AZ	0	0	TGEN
TGEN HEALTH VENTURES LLC 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 46-4520712	HEALTH CARE	AZ	49,876,786	40,643,775	TGEN
ASHION PMED MGMT LLC (THRU 214) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 38-3922888	PERSONAL MED	DE	0	0	TGHV LLC
ASHION ANALYTICS LLC (THRU 214) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 45-4587602	GENO ANALYSIS	AZ	0	0	PMED LLC
ASHION ADV INDIVIDUAL MED (THRU 214) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 46-4706761	PERSONAL MED	DE	0	0	PMED LLC
PMED PARTNERS LLC (THRU 214) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 37-1751435	PERSONAL MED	DE	0	0	TGHV LLV
PERSONALIZED MEDICAL CAPITAL (THRU 214) 445 N 5TH STREET SUITE 600 PHOENIX, AZ 85004 46-5070366	PERSONAL MED	DE	0	0	PMP LLC