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**Part V Other Information** (Note the Schedule A and personal benefit contract statement requirements in the instructions for Part V) Check if the organization used Schedule O to respond to any question in this Part V

		Yes	No
<b>33</b>	Did the organization engage in any significant activity not previously reported to the IRS? If "Yes," provide a detailed description of each activity in Schedule O . . . . .		<input checked="" type="checkbox"/>
<b>34</b>	Were any significant changes made to the organizing or governing documents? If "Yes," attach a conformed copy of the amended documents if they reflect a change to the organization's name. Otherwise, explain the change on Schedule O (see instructions) . . . . .		<input checked="" type="checkbox"/>
<b>35a</b>	Did the organization have unrelated business gross income of \$1,000 or more during the year from business activities (such as those reported on lines 2, 6a, and 7a, among others)? . . . . .		<input checked="" type="checkbox"/>
<b>b</b>	If "Yes," to line 35a, has the organization filed a Form 990-T for the year? If "No," provide an explanation in Schedule O . . . . .		
<b>c</b>	Was the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization subject to section 6033(e) notice, reporting, and proxy tax requirements during the year? If "Yes," complete Schedule C, Part III . . . . .		
<b>36</b>	Did the organization undergo a liquidation, dissolution, termination, or significant disposition of net assets during the year? If "Yes," complete applicable parts of Schedule N . . . . .		<input checked="" type="checkbox"/>
<b>37a</b>	Enter amount of political expenditures, direct or indirect, as described in the instructions ▶ <b>37a</b> <u>0</u>		
<b>b</b>	Did the organization file <b>Form 1120-POL</b> for this year? . . . . .		
<b>38a</b>	Did the organization borrow from, or make any loans to, any officer, director, trustee, or key employee or were any such loans made in a prior year and still outstanding at the end of the tax year covered by this return? . . . . .		<input checked="" type="checkbox"/>
<b>b</b>	If "Yes," complete Schedule L, Part II and enter the total amount involved . . . . . <b>38b</b>		
<b>39</b>	Section 501(c)(7) organizations. Enter:		
<b>a</b>	Initiation fees and capital contributions included on line 9 . . . . . <b>39a</b>		
<b>b</b>	Gross receipts, included on line 9, for public use of club facilities . . . . . <b>39b</b>		
<b>40a</b>	Section 501(c)(3) organizations. Enter amount of tax imposed on the organization during the year under: section 4911 ▶ <u>0</u> ; section 4912 ▶ <u>0</u> ; section 4955 ▶ <u>0</u>		
<b>b</b>	Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in any section 4958 excess benefit transaction during the year, or did it engage in an excess benefit transaction in a prior year that has not been reported on any of its prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I . . . . .		<input checked="" type="checkbox"/>
<b>c</b>	Section 501(c)(3) and 501(c)(4) organizations. Enter amount of tax imposed on organization managers or disqualified persons during the year under sections 4912, 4955, and 4958 . . . . . ▶ <u>0</u>		
<b>d</b>	Section 501(c)(3) and 501(c)(4) organizations. Enter amount of tax on line 40c reimbursed by the organization . . . . . ▶ <u>0</u>		
<b>e</b>	All organizations. At any time during the tax year, was the organization a party to a prohibited tax shelter transaction? If "Yes," complete Form 8886-T . . . . .		<input checked="" type="checkbox"/>
<b>41</b>	List the states with which a copy of this return is filed ▶ <u>None</u>		
<b>42a</b>	The organization's books are in care of ▶ <u>Margaret Huang</u> Telephone no. ▶ <u>256-513-9626</u> Located at ▶ <u>810 Regal Drive, Huntsville, AL</u> ZIP + 4 ▶ <u>35801-5603</u>		
<b>b</b>	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)? If "Yes," enter the name of the foreign country: ▶ _____ See the instructions for exceptions and filing requirements for <b>Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts</b> .		<input checked="" type="checkbox"/>
<b>c</b>	At any time during the calendar year, did the organization maintain an office outside the U.S.? . . . . . If "Yes," enter the name of the foreign country: ▶ _____		<input checked="" type="checkbox"/>
<b>43</b>	Section 4947(a)(1) nonexempt charitable trusts filing Form 990-EZ in lieu of <b>Form 1041</b> — Check here <input type="checkbox"/> and enter the amount of tax-exempt interest received or accrued during the tax year . . . . . ▶ <b>43</b> <u>0</u>		
<b>44a</b>	Did the organization maintain any donor advised funds during the year? If "Yes," Form 990 must be completed instead of Form 990-EZ . . . . .		<input checked="" type="checkbox"/>
<b>b</b>	Did the organization operate one or more hospital facilities during the year? If "Yes," Form 990 must be completed instead of Form 990-EZ . . . . .		<input checked="" type="checkbox"/>
<b>c</b>	Did the organization receive any payments for indoor tanning services during the year? . . . . .		<input checked="" type="checkbox"/>
<b>d</b>	If "Yes" to line 44c, has the organization filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O . . . . .		
<b>45a</b>	Did the organization have a controlled entity within the meaning of section 512(b)(13)? . . . . .		<input checked="" type="checkbox"/>
<b>45b</b>	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," Form 990 and Schedule R may need to be completed instead of Form 990-EZ (see instructions) . . . . .		<input checked="" type="checkbox"/>

	Yes	No
<b>46</b> Did the organization engage, directly or indirectly, in political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Part VI Section 501(c)(3) organizations only**

All section 501(c)(3) organizations must answer questions 47-49b and 52, and complete the tables for lines 50 and 51.

Check if the organization used Schedule O to respond to any question in this Part VI . . . . .

	Yes	No
<b>47</b> 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 . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>48</b> Is the organization a school as described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>49a</b> Did the organization make any transfers to an exempt non-charitable related organization? . . . . .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>b</b> If "Yes," was the related organization a section 527 organization? . . . . .	<input type="checkbox"/>	<input type="checkbox"/>

**50** Complete this table for the organization's five highest compensated employees (other than officers, directors, trustees and key employees) who each received more than \$100,000 of compensation from the organization. If there is none, enter "None."

(a) Name and title of each employee	(b) Average hours per week devoted to position	(c) Reportable compensation (Forms W-2/1099-MISC)	(d) Health benefits, contributions to employee benefit plans, and deferred compensation	(e) Estimated amount of other compensation
None				

**f** Total number of other employees paid over \$100,000 . . . . . ▶ \_\_\_\_\_

**51** Complete this table for the organization's five highest compensated independent contractors who each received more than \$100,000 of compensation from the organization. If there is none, enter "None."

(a) Name and business address of each independent contractor	(b) Type of service	(c) Compensation
None		

**d** Total number of other independent contractors each receiving over \$100,000 . . . . . ▶ \_\_\_\_\_

**52** Did the organization complete Schedule A? **Note.** All section 501(c)(3) organizations and 4947(a)(1) nonexempt charitable trusts must attach a completed Schedule A . . . . . ▶  Yes  No

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

<b>Sign Here</b>	▶	Date <u>5/11/2014</u>
	▶ <b>Zhengwei Hu</b> <span style="float:right;"><b>President</b></span>	Type or print name and title

<b>Paid Preparer Use Only</b>	Print/Type preparer's name	Preparer's signature	Date	Check <input type="checkbox"/> if self-employed	PTIN
	Firm's name ▶	Firm's EIN ▶			
	Firm's address ▶	Phone no			

May the IRS discuss this return with the preparer shown above? See instructions . . . . . ▶  Yes  No

**SCHEDULE A**  
**(Form 990 or 990-EZ)**

**Public Charity Status and Public Support**

OMB No 1545-0047

**2013**

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](http://www.irs.gov/form990).

**Open to Public Inspection**

Department of the Treasury  
Internal Revenue Service

Name of the organization  
**XNano Sciences Inc.**

Employer identification number  
**800472628**

**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 that describes the type of supporting organization and complete lines 11e through 11h.
  - a  Type I    b  Type II    c  Type III—Functionally integrated    d  Type III—Non-functionally integrated
- e  By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2)
- f If the organization received a written determination from the IRS that it is a Type I, Type II, or Type III supporting organization, check this box
- g Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons?
  - (i) A person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the supported organization? 

	Yes	No
<b>11g(i)</b>		
  - (ii) A family member of a person described in (i) above? 

	Yes	No
<b>11g(ii)</b>		
  - (iii) A 35% controlled entity of a person described in (i) or (ii) above? 

	Yes	No
<b>11g(iii)</b>		
- h 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 in col (i) listed in your governing document?		(v) Did you notify the organization in col (i) of your support?		(vi) Is the organization in col (i) organized in the U S ?		(vii) Amount of monetary support
			Yes	No	Yes	No	Yes	No	
(A)									
(B)									
(C)									
(D)									
(E)									
<b>Total</b>									

**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) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
<b>1</b> Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") . . . . .	0	0	0	107000	107000	214000
<b>2</b> Tax revenues levied for the organization's benefit and either paid to or expended on its behalf . . . . .	0	0	0	0	0	0
<b>3</b> The value of services or facilities furnished by a governmental unit to the organization without charge . . . . .	0	0	0	0	0	0
<b>4 Total.</b> Add lines 1 through 3 . . . . .	0	0	0	107000	107000	214000
<b>5</b> 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) . . . . .						0
<b>6 Public support.</b> Subtract line 5 from line 4.						214000

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ►	(a) 2009	(b) 2010	(c) 2011	(d) 2012	(e) 2013	(f) Total
<b>7</b> Amounts from line 4 . . . . .	0	0	0	107000	107000	214000
<b>8</b> Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources . . . . .	0	0	0		0	0
<b>9</b> Net income from unrelated business activities, whether or not the business is regularly carried on . . . . .	0	0	0	0	0	0
<b>10</b> Other income. Do not include gain or loss from the sale of capital assets (Explain in Part IV.) . . . . .	0	0	0	0	0	
<b>11 Total support.</b> Add lines 7 through 10						214000
<b>12</b> Gross receipts from related activities, etc. (see instructions) . . . . .					12	0
<b>13 First five years.</b> 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 <b>stop here</b> . . . . .						<input checked="" type="checkbox"/>

**Section C. Computation of Public Support Percentage**

<b>14</b> Public support percentage for 2013 (line 6, column (f) divided by line 11, column (f)) . . . . .	14	%
<b>15</b> Public support percentage from 2012 Schedule A, Part II, line 14 . . . . .	15	%
<b>16a 33 1/3% support test—2013.</b> If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and <b>stop here.</b> The organization qualifies as a publicly supported organization . . . . .		<input type="checkbox"/>
<b>b 33 1/3% support test—2012.</b> 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 <b>stop here.</b> The organization qualifies as a publicly supported organization . . . . .		<input type="checkbox"/>
<b>17a 10%-facts-and-circumstances test—2013.</b> 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 <b>stop here.</b> Explain in Part IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization . . . . .		<input type="checkbox"/>
<b>b 10%-facts-and-circumstances test—2012.</b> 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 <b>stop here.</b> Explain in Part IV how the organization meets the "facts-and-circumstances" test The organization qualifies as a publicly supported organization . . . . .		<input type="checkbox"/>
<b>18 Private foundation.</b> If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions . . . . .		<input type="checkbox"/>

**SCHEDULE O  
(Form 990 or 990-EZ)**

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

OMB No 1545-0047

**2013**

**Open to Public  
Inspection**

Department of the Treasury  
Internal Revenue Service

▶ 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](http://www.irs.gov/form990).

Name of the organization

Employer identification number

**XNano Sciences Inc.**

**800472628**

**Part I Revenue, Expenses, and Changes in Net Assets or Fund Balance**

**Expenses Line 16 - Other expenses.** Including (1) insurance for the organization and (2) attending three scientific conferences (to present scientific research work), i.e., 44th Lunar and Planetary Science Conference (Houston, March, 2013), 76th Annual Meeting of the Meteoritical Society (Edmonton, July-August 2013), and Analog Sites for Mars Mission II (Washington, D. C., August, 2013).

**Part III Statement of Program Service Accomplishments**

**Line 28.** Our long-term goal is to probe the origin, formation and evolution of primitive solar system bodies including comets and asteroids, presolar and early solar system processes, and the origin of life at a fundamental level through developing and applying innovative imaging approaches to primitive extraterrestrial materials. The primary objectives of this activity are to three-dimensionally map both pore and grain structures of intact interplanetary dust particles (IDPs) nondestructively on the nanoscale by developing and exploiting a new X-ray nanotomography imaging technique to better understand the origin and evolution of IDPs and planetary bodies. With the dedicated effort and funding support (see expenses), we have successfully introduced the new method to the field and have made significant findings, as partly reflected in the following presentations/publications:

- (1) Z. W. Hu and R. Winarski, Three-dimensional visualization of porous structure of a cluster interplanetary dust particle, #2521, 44th Lunar and Planetary Science Conference (Houston, 2013).
- (2) Z. W. Hu, R. Winarski, Going about submicron components of comet Wild 2 and asteroid regolith with a nondestructive 3D nano-imaging Approach, #5349 (oral presentation), 76th Annual Meeting of the Meteoritical Society (Edmonton, 2013).
- (3) Z. W. Hu, Developing and optimizing in situ X-ray phase contrast microimaging capabilities through analog study and field testing for Mars sample return, #4036, Analog Sites for Mars Missions II (Washington, D. C., 2013).