

**PCT REQUEST**Original (for **SUBMISSION**)

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	PCT/US13/37996
<b>0-2</b>	International Filing Date	24 APRIL 2013      24-04-2013
<b>0-3</b>	Name of receiving Office and "PCT International Application"	PCT International Application RO/US
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
0-4-1	Prepared Using	PCT-SAFE [EASY/EFS-Web mode] Version 3.51.057.233 MT/FOP 20130101/0.20.5.20
<b>0-5</b>	<b>Petition</b>	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	United States Patent and Trademark Office (USPTO) (RO/US)
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	043214071761
<b>I</b>	<b>Title of Invention</b>	GENERATING PLURIPOTENT CELLS DE NOVO
<b>II</b>	<b>Applicant</b>	
II-1	This person is	Applicant only
II-2	Applicant for	All designated States
II-4	Name	THE BRIGHAM AND WOMEN'S HOSPITAL, INC.
II-5	Address	75 Francis Street Boston, Massachusetts 02115 United States of America
II-6	State of nationality	US
II-7	State of residence	US
<b>III-1</b>	<b>Applicant and/or inventor</b>	
III-1-1	This person is	Applicant only
III-1-2	Applicant for	All designated States
III-1-4	Name	RIKEN
III-1-5	Address	2-1, Hirosewa, Wako-Shi, Saitama, 351-0198 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP

## PCT REQUEST

Original (for SUBMISSION )

<b>III-2</b>	<b>Applicant and/or inventor</b>	
III-2-1	This person is	<b>Applicant only</b>
III-2-2	Applicant for	<b>All designated States</b>
III-2-4	Name	<b>TOKYO WOMEN'S MEDICAL UNIVERSITY</b>
III-2-5	Address	<b>8-1, Kawada-cho, Shinjuku-ku, Tokyo, 162-8666 Japan</b>
III-2-6	State of nationality	<b>JP</b>
III-2-7	State of residence	<b>JP</b>
<b>III-3</b>	<b>Applicant and/or inventor</b>	
III-3-1	This person is	<b>Inventor only</b>
III-3-3	Inventor for	
III-3-4	Name (LAST, First)	<b>VACANTI, Charles A.</b>
III-3-5	Address	<b>355 Pond Street Uxbridge, Massachusetts 01569 United States of America</b>
<b>III-4</b>	<b>Applicant and/or inventor</b>	
III-4-1	This person is	<b>Inventor only</b>
III-4-3	Inventor for	
III-4-4	Name (LAST, First)	<b>VACANTI, Martin P.</b>
III-4-5	Address	<b>2220 Westchester Drive #6 Manhattan, Kansas 66503 United States of America</b>
<b>III-5</b>	<b>Applicant and/or inventor</b>	
III-5-1	This person is	<b>Inventor only</b>
III-5-3	Inventor for	
III-5-4	Name (LAST, First)	<b>KOJIMA, Koji</b>
III-5-5	Address	<b>50 Longwood Avenue #414 Brookline, Massachusetts 02446 United States of America</b>
<b>III-6</b>	<b>Applicant and/or inventor</b>	
III-6-1	This person is	<b>Inventor only</b>
III-6-3	Inventor for	
III-6-4	Name (LAST, First)	<b>OBOOKATA, Haruko</b>
III-6-5	Address	<b>c/o RIKEN 2-1, Hiroosawa, Wako-shi, Saitama, 351-0198 Japan</b>
<b>III-7</b>	<b>Applicant and/or inventor</b>	
III-7-1	This person is	<b>Inventor only</b>
III-7-3	Inventor for	
III-7-4	Name (LAST, First)	<b>WAKAYAMA, Teruhiko</b>
III-7-5	Address	<b>c/o RIKEN 2-1, Hiroosawa, Wako-shi, Saitama, 351-0198 Japan</b>

## PCT REQUEST

Original (for SUBMISSION )

<b>III-8</b>	<b>Applicant and/or inventor</b>	
III-8-1	This person is	<b>Inventor only</b>
III-8-3	Inventor for	
III-8-4	Name (LAST, First)	<b>SASAI, Yoshiki</b>
III-8-5	Address	<b>c/o RIKEN 2-1, Hirosewa, Wako-shi, Saitama, 351-0198 Japan</b>
<b>III-9</b>	<b>Applicant and/or inventor</b>	
III-9-1	This person is	<b>Inventor only</b>
III-9-3	Inventor for	
III-9-4	Name (LAST, First)	<b>YAMATO, Masayuki</b>
III-9-5	Address	<b>c/o Tokyo Women's Medical University 8-1, Kawada-cho, Shinjuku-ku, Tokyo, 162-8666 Japan</b>
<b>IV-1</b>	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	<b>Agent</b>
IV-1-1	Name (LAST, First)	<b>RESNICK, David</b>
IV-1-2	Address	<b>Nixon Peabody LLP 100 Summer Street Boston, Massachusetts 02110-2131 United States of America</b>
IV-1-3	Telephone No.	<b>617-345-1000</b>
IV-1-4	Facsimile No.	<b>617-345-1300</b>
IV-1-5	e-mail	<b>bostonpatent@nixonpeabody.com</b>
IV-1-5(a)	E-mail authorization ) The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	<b>as advance copies followed by paper notifications</b>
IV-1-6	Agent's registration No.	<b>34235</b>
<b>IV-2</b>	<b>Additional agent(s)</b>	
IV-2-1	Name(s)	<b>additional agent(s) with same address as first named agent EISENSTEIN, Ronald(30628); FITZGERALD, Mark(45928); KARTTUNEN CONTARINO, Leena(60335); BENN, Susanna(63611); HUFF, Shayne(44784); MILLS, Tari(61593); CROSBY, David(36400); PTASHKA, Teresa(69580); TSE, Janet(69953); SUMMERFORD, Candace(58109)</b>

## PCT REQUEST

Original (for SUBMISSION )

<b>V</b>	<b>DESIGNATIONS</b>	
<b>V-1</b>	<b>The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</b>	
<b>VI-1</b>	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	<b>24 April 2012 (24.04.2012)</b>
VI-1-2	Number	<b>61/637, 631</b>
VI-1-3	Country	<b>US</b>
<b>VI-2</b>	<b>Priority claim of earlier national application</b>	
VI-2-1	Filing date	<b>13 March 2013 (13.03.2013)</b>
VI-2-2	Number	<b>61/779, 533</b>
VI-2-3	Country	<b>US</b>
<b>VI-3</b>	<b>Priority document request</b>	
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	<b>VI-1 VI-2</b>
<b>VI-4</b>	<b>Incorporation by reference :</b>	
	where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>Federal Service for Intellectual Property (Rospatent) (Russian Federation) (ISA/RU)</b>

**PCT REQUEST**Original (for **SUBMISSION**)

<b>VIII</b>	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	—	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	—	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	—	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	—	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	—	
<b>IX</b>	<b>Check list</b>	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	<b>6</b>	✓
IX-2	Description	<b>88</b>	—
IX-3	Claims	<b>5</b>	—
IX-4	Abstract	<b>1</b>	✓
IX-5	Drawings	<b>37</b>	—
IX-7	TOTAL	<b>137</b>	
	<b>Accompanying Items</b>	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	✓	—
<b>IX-20</b>	<b>Figure of the drawings which should accompany the abstract</b>	<b>5A</b>	
<b>IX-21</b>	<b>Language of filing of the international application</b>	<b>English</b>	
<b>X-1</b>	<b>Signature of applicant, agent or common representative</b>	<b>/David S. RESNICK, Reg. No. 34,235/</b>	
<b>X-1-1</b>	Name (LAST, First)	<b>RESNICK, David</b>	
<b>X-1-2</b>	Name of signatory		
<b>X-1-3</b>	Capacity (if such capacity is not obvious from reading the request)		

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<b>10-1</b>	<b>Date of actual receipt of the purported international application</b>	<b>24 APRIL 2013</b>	<b>24-04-2013</b>
<b>10-2</b>	<b>Drawings:</b>		
10-2-1	Received		
10-2-2	Not received		
<b>10-3</b>	<b>Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application</b>		
<b>10-4</b>	<b>Date of timely receipt of the required corrections under PCT Article 11(2)</b>		
<b>10-5</b>	<b>International Searching Authority</b>	<b>ISA/RU</b>	
<b>10-6</b>	<b>Transmittal of search copy delayed until search fee is paid</b>		

**FOR INTERNATIONAL BUREAU USE ONLY**

<b>11-1</b>	<b>Date of receipt of the record copy by the International Bureau</b>	
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