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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DARIO CAMPANA	06/14/2005
CHIHAYA IMAI	06/09/2005

RECEIVING PARTY DATA

Name:	ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC.	
Street Address:	262 DANNY THOMAS PLACE	
City:	MEMPHIS	
State/Country:	TENNESSEE	
Postal Code:	38105-2794	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14301122

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ATTORNEY DOCKET NUMBER:	31153-0101006	
NAME OF SUBMITTER:	J. PATRICK FINN	
SIGNATURE:	/J. Patrick Finn III, Reg. No. 44,109/	
DATE SIGNED:	04/20/2016	

Total Attachments: 3

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> **PATENT** REEL: 038336 FRAME: 0115 503792522

Attorney Docket No.: SJ-03-0018B

ASSIGNMENT

WHEREAS, we, Dario Campana, a citizen of Italy, residing at 2626 Maple Grove Cove, Germantown, Tennessee, 38139, United States of America, and Chihaya Imai, a citizen of Japan, residing at 16-3 Shinanomachi, Niigata City, Niigata 951-8152, Japan; herein below called "ASSIGNORS" have made a certain invention entitled

"Expansion of NK Cells and Therapeutic Uses Thereof"

Described in the patent application filed herewith in the U.S. Patent and Trademark Office; and

WHEREAS, ST. JUDE CHILDREN'S RESEARCH HOSPITAL, Inc. a Tennessee not-for-profit corporation, having a principal place of business at 332 North Lauderdale, Memphis, Tennessee 38105-2794, herein below called the "ASSIGNEE", are desirous of securing our entire right, title and interest in the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted thereon;

WHEREAS, ASSIGNORS have previously agreed to assign to ASSIGNEE their entire right, title and interest in any intellectual property conceived, invented, authored, or reduced to practice by as a result of their affiliation with ASSIGNEE, and in any patent applications directed to such intellectual property, including the subject invention and subject application;

NOW, THEREFORE, BE IT KNOWN, that for good and valuable consideration, the receipt of all of which is hereby acknowledged, we, the said ASSIGNORS, have set over, unto the said ASSIGNEE, its successors and assigns, our entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by us had this sale and assignment not been made.

For the consideration aforesaid, we hereby covenant and agree to and with the said ASSIGNEE, their successors and assigns, that whenever their counsel or representative, or the counsel or representative of their successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful, and desirable, we will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters

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Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said ASSIGNEE, its successors and assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense;

AND the Commissioner or Patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and assignment.

For the consideration aforesaid, we have sold, transferred and set over and by these presents do sell, assign, transfer and set over unto the said ASSIGNEE, their successors and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said ASSIGNEE and it successors, assigns or nominees, to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successors, assigns or nominees, in any or all countries where it may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the ASSIGNEE, their successors, assigns or nominees, without charge to said ASSIGNEE, their successors, assigns or nominees, but at their expense.

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We declare under penalty of perjury under the laws of the United States of America that we have signed this document as our own free act and that all of the foregoing is true and correct.

Dated: 14 2005

DARIO CAMPANA, ASSIGNOR

Subscribed and swom before me in my presence, this 14 day of \(\sum_{\text{Line}} \) day of \(\sum_{\text{Line}} \) 2005, a Notice Public in and for the County of Shelby and State of Tennessee.

Regina D. McKinney Notary Public

My commission expires: August 28, 2007

Dated: June 9, 2005 Chikanja

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RECORDED: 04/20/2016