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U.S. Department of Commerce Patent and Trademark Office **PATENT**

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Area Code and Telephone Number 301-435-1986

Name National Institutes of Health, The

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PATENT

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title: Callier Diagnostic Method for Agammaglobulinemia and Carrier

Screening Method for X Linked Severe Combined Immunodeficiency

Docket Number: CHOP-0027

Inventor (s): Mary E. Conley, Robert L. Nussbaum, Jennifer M. Puck

U.S. Filing/Issue Date: 03/14/90

Patent No: 5,106,728

Grant/Contract Identification Number(s): AI21477, CA15822

Foreign Applications filed/intended in (countries):

The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the Public Health Service/National Institutes of Health. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 14th day of 14ay, 1998

By: Robert G. Uris, Vice President, Research Administration

For: The Children's Hospital of Philadelphia

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title:

Human Leucine-Zipper Protein Kinase and Methods of Use

Docket Number:

CHOP-0019CIP

Inventor (s):

Usharani Reddy, David Pleasure

U.S. Filing/Issue Date:

10/14/97

Patent No:

5,676,945

Grant/Contract Identification Number(s):

NS08075, NS25044, NS31102

Foreign Applications filed/intended in (countries):

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Signed	l this	_ day of _	Hay	, 19	998
By:	N	Mis			
-	Robert G. U	Iris, Vice P	resident,	Research Administra	tion

For: The Children's Hospital of Philadelphia

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title:

Nucleic Acid Sequences Encoding Human Leucine-Zipper Protein-

Kinase

Docket Number:

CHOP-0019

Inventor (s):

Usharani Reddy, David Pleasure

U.S. Filing/Issue Date:

09/10/96

Patent No:

5,554,523

Grant/Contract Identification Number(s):

NS08075, NS25044, NS31102

Foreign Applications filed/intended in (countries):

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Signed this 4th day of May, 1998

Robert G. Uris, Vice President, Research Administration

For: The Children's Hospital of Philadelphia

LICENSE TO THE UNITED STATES GOVERNMENT

Invention Title:

Gastrointestinal Defensins, cDNA Sequences and Method for the

Production and Use Thereof

Docket Number:

CHOP-0018

Inventor (s):

Charles L. Bevins, Douglas E. Jones

U.S. Filing/Issue Date:

11/24/93

Patent No:

5,641,497

Grant/Contract Identification Number(s):

GM07170

Foreign Applications filed/intended in (countries):

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Signed this $\frac{144h}{100}$ day of $\frac{144y}{100}$, 1998

Robert G. Uris, Vice President, Research Administration

For: The Children's Hospital of Philadelphia