PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT M. HERSHBERG	10/07/2003
NANCY ANN HOSKEN	09/18/2003
MICHAEL J. LODES	09/16/2003
RAODOH MOHAMATH	09/30/2003

RECEIVING PARTY DATA

Name:	CORIXA CORPORATION
Street Address:	1124 COLUMBIA STREET
Internal Address:	SUITE 200
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15047547

CORRESPONDENCE DATA

Fax Number: (415)576-0300

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: LISA FLANAGAN

Address Line 1: TWO EMBARCADERO CENTER

Address Line 2: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

DATE SIGNED:	09/19/2017
SIGNATURE:	/LISA DORNBACH FLANAGAN/
NAME OF SUBMITTER:	LISA DORNBACH FLANAGAN
ATTORNEY DOCKET NUMBER:	094712-004040US-1001807

Total Attachments: 5

PATENT REEL: 043628 FRAME: 0541 source=094712_004040US_1001807_assign_091917#page1.tif source=094712_004040US_1001807_assign_091917#page2.tif source=094712_004040US_1001807_assign_091917#page3.tif source=094712_004040US_1001807_assign_091917#page4.tif source=094712_004040US_1001807_assign_091917#page5.tif

> PATENT REEL: 043628 FRAME: 0542

ASSIGNMENT OF UTILITY PATENT APPLICATION

WHEREAS, we,

Name	Post Office Address	
Robert M. Hershberg	2809 10 th Avenue East, Seattle, Washington 98102	;
Nancy Ann Hosken	2314 North 56 th Street, Seattle, Washington 98103	;
Michael J. Lodes	9223 36 th Avenue Southwest, Seattle, Washington 98126	; and
Raodoh Mohamath	4205 South Morgan Street, Seattle, Washington 98118	

(hereinafter referred to as ASSIGNORS), having post office addresses as listed above next to our names, are the joint inventors of an invention entitled:

COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF INFLAMMATORY BOWEL DISEASE

which is described and claimed in the specification and claims of continuation-in-part (C-I-P) Patent Application No. 10/449,857, as filed in the United States Patent and Trademark Office on May 30, 2003 ("this application") for which a patent is sought. This application is a C-I-P of International Application No. PCT/US02/40422, filed December 16, 2002, which is related to US Provisional Patent Application Nos: 60/426,835, filed November 15, 2002; 60/396,242, filed July 16, 2002; and 60/341,830, filed December 17, 2001, which are all incorporated herein in their entirety.

WHEREAS, Corixa Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 1124 Columbia Street, Suite 200, Seattle, Washington 98104, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said provisional patent application and the invention(s) disclosed therein, and any and all letters patent(s) which claim priority to said provisional application and any and all letters patent(s) which claim the invention(s) disclosed therein and which may be

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PATENT REEL: 043628 FRAME: 0543 granted in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States provisional application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, provisional application and all letters patent(s) on said invention or claiming priority to said provisional application to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

10.07.03		Prhotzell.
Date		Robert M. Hershberg
State of WASHINGTON	.)	SS.
County of KING)	

I certify that I know or have satisfactory evidence that Robert M. Hershberg is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

S. C. S.	PUBLIC PUBLIC OF WASHINGTON
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Dated <u>UC Coller</u> + 7003

Signature of Notary Public <u>Clarate</u> | Coller | C

My appointment expires:

My appointment expires: ______0

Sytember 18, Date	2003 Vanay A. Hosten Nancy Ann Hosken
State of WASHINGTON)
County of KING) ss.)
person who appeared before	I know or have satisfactory evidence that Nancy Ann Hosken is the re me, and said person acknowledged that she signed this instrument ther free and voluntary act for the uses and purposes mentioned in the Dated Dated Signature of Notary Public Printed Name: DEIRDRE I. BRYAN My appointment expires: 8/14/06
Date	Michael J. Lodes
State of WASHINGTON)
County of KING) ss.)
person who appeared befor	I know or have satisfactory evidence that Michael J. Lodes is the re me, and said person acknowledged that he signed this instrument his free and voluntary act for the uses and purposes mentioned in the
	Dated
	Signature of Notary Public
	Printed Name: DEIRDRE I. BRYAN
	My appointment expires:

Date		Nancy Ann Hosken
State of WASHINGTON)	
County of VINC)	SS.
County of KING	,	
person who appeared before	e me, and said p	satisfactory evidence that Nancy Ann Hosken is the erson acknowledged that she signed this instrumentary act for the uses and purposes mentioned in the
	Dated	
	Signature of Notary Public	
	Printed Name:	DEIRDRE I. BRYAN
	My appointmen	nt expires:
9-16-03		Meskel Toler
Date		Michael J. Lodes
State of WASHINGTON)	
County of KING)	SS.
person who appeared before	me, and said p	satisfactory evidence that Michael J. Lodes is the erson acknowledged that he signed this instrumentary act for the uses and purposes mentioned in the
ANTERESTINING	Dated	9/16/13
AF ON EXPINA	Signature of	10 -
SIMMO TARY SS. NO. LO.	Notary Public .	Neucle V Organ
PUBLIC OF	Printed Name:	DEIRDRE I. BRYAN
O VANCE I		1

9/30/03	Kardill	
Date	Raodoh Mohamath	
State of WASHINGTON)) ss.	
County of KING)	

I certify that I know or have satisfactory evidence that Raodoh Mohamath is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

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Signature of Notary Public _

Printed Name: DEIRDRE I. BRYAN

My appointment expires: ___

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RECORDED: 09/19/2017