

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
<b>CONVEYING PARTY DATA</b>																					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hui Li</td> <td>02/26/2009</td> </tr> <tr> <td>Ankush Argade</td> <td>03/09/2009</td> </tr> <tr> <td>Sambaiah Thota</td> <td>03/09/2009</td> </tr> <tr> <td>David Carroll</td> <td>02/26/2009</td> </tr> <tr> <td>Arvinder Sran</td> <td>03/09/2009</td> </tr> <tr> <td>Robin Cooper</td> <td>02/25/2009</td> </tr> <tr> <td>Rajinder Singh</td> <td>02/25/2009</td> </tr> <tr> <td>Kin Tso</td> <td>03/03/2009</td> </tr> <tr> <td>Somasekhar Bhamidipati</td> <td>02/25/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hui Li	02/26/2009	Ankush Argade	03/09/2009	Sambaiah Thota	03/09/2009	David Carroll	02/26/2009	Arvinder Sran	03/09/2009	Robin Cooper	02/25/2009	Rajinder Singh	02/25/2009	Kin Tso	03/03/2009	Somasekhar Bhamidipati	02/25/2009
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<b>RECEIVING PARTY DATA</b>																					
Name:	Rigel Pharmaceuticals, Inc.																				
Street Address:	1180 Veterans Boulevard																				
City:	South San Francisco																				
State/Country:	CALIFORNIA																				
Postal Code:	94080																				
<b>PROPERTY NUMBERS Total: 1</b>																					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13463691</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13463691																
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Application Number:	13463691																				
<b>CORRESPONDENCE DATA</b>																					
Fax Number:	(503)595-5301																				
Phone:	503-595-5300																				
Email:	julie.morgan@klarquist.com																				
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																					
Correspondent Name:	Klarquist Sparkman, LLP																				
Address Line 1:	121 S.W. Salmon Street, Suite 1600																				
Address Line 4:	Portland, OREGON 97204																				

CH \$40.00 13463691

ATTORNEY DOCKET NUMBER:	7946-87764-07 SCS:JAM
NAME OF SUBMITTER:	Stacey C. Slater
Total Attachments: 9 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif	

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Rigel Pharmaceuticals, Inc.  
1180 Veterans Boulevard  
South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

Compositions and Methods for Inhibition of the JAK Pathway

as set forth in this United States Patent Application

*check one*     ] executed concurrently herewith,  
                   ] executed on \_\_\_\_\_,  
                   ] Serial No. 11/875,772 Filed 10/19/2007

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

Executed this 26<sup>th</sup> day of Feb, 2009.

HUI LI

State of California  
County of San Mateo }ss

On 2/26/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Hui Li, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this 9 day of March, 2009

ANKUSH ARGADE

State of California  
County of San Mateo }ss

On 2/9/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Ankush Argade, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**SAMBAIAH THOTA**

State of California  
County of \_\_\_\_\_, ss

On \_\_\_\_\_, \_\_\_\_\_ before me, personally  
Date (Here insert name and title of the officer)

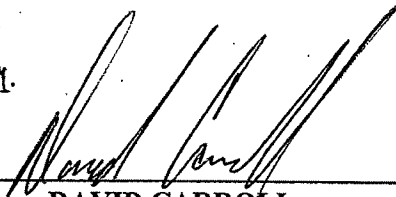
appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature \_\_\_\_\_  
Signature of Notary Public  
(Notary Seal)

Executed this 26 day of Feb, 2009.

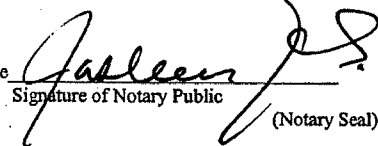
  
\_\_\_\_\_  
DAVID CARROLL

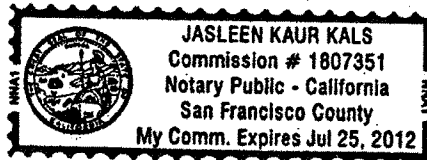
State of California  
County of San Mateo, ss  
On 2/26/09, before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared David Carroll, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature   
Signature of Notary Public  
(Notary Seal)



Executed this 09 day of March, 2009.

Sambaidh  
SAMBAIAH THOTA

State of California

County of San Mateo } ss

On 3/9/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Sambaidh Thota, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
DAVID CARROLL

State of California

County of \_\_\_\_\_ } ss

On \_\_\_\_\_, \_\_\_\_\_ before me, personally  
Date (Here insert name and title of the officer)

appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature \_\_\_\_\_  
Signature of Notary Public (Notary Seal)

Executed this 9th day of March, 2009.

Arvinder Srani  
ARVINDER SRANI

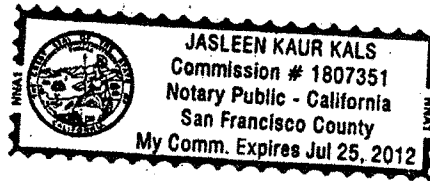
State of California  
County of San Mateo }ss  
On 3/9/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Arvinder Srani, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

ROBIN COOPER

State of California  
County of \_\_\_\_\_ }ss

On \_\_\_\_\_ before me, personally  
Date (Here insert name and title of the officer)

appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_  
Signature of Notary Public (Notary Seal)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**ARVINDER SRAN**

State of California  
County of \_\_\_\_\_ }ss

On \_\_\_\_\_ before me, personally  
Date (Here insert name and title of the officer)

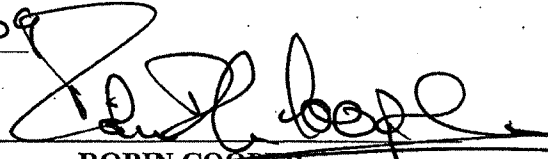
appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature \_\_\_\_\_  
Signature of Notary Public  
(Notary Seal)

Executed this 25 day of Feb., 2009

  
**ROBIN COOPER**

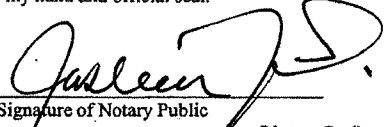
State of California  
County of San Mateo }ss

On 2/25/09 before me, Jasleen Kaur Kals, Notary Public,  
Date (Here insert name and title of the officer)

appeared Robin Cooper, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature   
Signature of Notary Public  
(Notary Seal)

Executed this 25 day of 2, 2009.

*Rajinder Singh*

RAJINDER SINGH

State of California

County of San Mateo ss

On 2/25/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Rajinder Singh, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this 03 day of March, 2009.

*Kin Tso*  
KIN TSO

State of California

County of San Mateo ss

On 3/3/09 before me, Jasleen Kaur Kals, Notary Public, before me, personally  
Date (Here insert name and title of the officer)

appeared Kin Tso, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature Jasleen Kals  
Signature of Notary Public (Notary Seal)



Executed this 25<sup>th</sup> day of Feb, 2009.

*Jasleen Kals*

**SOMASEKHAR BHAMIDIPATI**

State of California  
County of San Mateo

On 2/25/09 before me,  
Date Jasleen Kaur Kals Notary Public  
(Here insert name and title of the officer) before me, personally

appeared Somasekhar Bhamidipati who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature

*Jasleen Kals*  
Signature of Notary Public

(Notary Seal)

