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March 18, 1999
Attorney Dkt. 5405-140

Please record the attached original documents or copy thereof.

OPR/FINANCE

1. Name of conveying party(ies):

Lawrence S. Barak
Marc G. Canon
Stephen S. Ferguson
Jie Zhang

2. Name and address of receiving party(ies):

Duke University
Erwin Road
Durham, North Carolina

3-22-99

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☒ Other : Correction of second named inventor. Canon
should be CanonAdditional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 18 September 1998

4. Application Serial No. 08/869,568If this document is being filed together with a new application, the execution date of the application
is:Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Virginia C. Bennett
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 276276. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

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9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy
of the original document.*

Virginia C. Bennett

Name of Person Signing

Signature

18 March 1999

Date

Total number of pages including cover sheet, attachments and document: 5

10-02-1998

ASSIGNMENT RECORDATION FOR



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 1998 SEP 25 5:13:30
 September 22, 1998
 Attorney Dkt. 5405-140
 OPR/FINANCE

To the Honorable Commissioner of Patents and Trademark.

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

 Lawrence S. Barak
 Marc G. Canon
 Stephen S. Ferguson
 Jie Zhang

2. Name and address of receiving party(ies):

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 Erwin Road
 Durham, North Carolina
Additional name(s) of conveying party(ies) attached? ___ Yes ☒ No

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☐ Other _____

Execution Date: 18 September 1998

Additional name(s) & address(es) attached? ___ Yes ☒ No4. Application Serial No. 08/869,568
 If this document is being filed together with a new application, the execution date of the application
 is:
Additional numbers attached? ___ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

 Virginia C. Bennett
 Myers Bigel Sibley & Sajovec
 P. O. Box 37428
 Raleigh NC 27627
6. Total number of applications and patents involved: 1
 7. Total fee (37 CFR 3.41) \$40.00
☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

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40.00 DP

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Virginia C. Bennett

Name of Person Signing

 Signature
22 September 1998

Date

Total number of pages including cover sheet, attachments and document: 5

ASSIGNMENT

THIS ASSIGNMENT, made by us, Lawrence S. Barak, citizen of the United States of America, residing at 5248 Inverness Drive, County of Durham, State of North Carolina, Marc G. Caron, citizen of Canada, residing at 803 Pleasant Green Road, County of Orange, State of North Carolina, Stephen S. Ferguson, citizen of Canada, residing at ^{357 Piccadilly St.} ~~32-72 Sunnyside Drive~~, Province of Ontario, and Jie Zhang, citizen of The Peoples Republic of China, residing at 618 LaSalle Street, Apartment 6H, County of Durham, State of North Carolina, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in METHODS OF ASSAYING RECEPTOR ACTIVITY AND CONSTRUCTS USEFUL IN SUCH METHODS for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on June 6, 1997, under Serial No. 08/869,568, and

WHEREAS, Duke University, an educational institution having a principal place of business at Erwin Road, County of Durham, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 18 day
of September, 1998.

Lawrence Barak (SEAL)
Lawrence S. Barak

Marc G. Caron (SEAL)
Marc G. Caron

Stephen S. Ferguson (SEAL)
Stephen S. Ferguson

Jie Zhang (SEAL)
Jie Zhang

STATE OF NORTH CAROLINA)
COUNTY OF Durham) ss:

(add) Before me personally appeared Lawrence S. Barak, Marc G. Caron and Jie Zhang, to me
known to be the persons described in and who executed the foregoing instrument, and they
acknowledged to me that they executed the same for the purposes therein stated, this 18th day
of September, 1998.

John D. Shee
Notary Public

SEAL

My Commission Expires: 7-23-01

VCB:bf

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IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 18 day
of September, 1998.

Lawrence S. Barak (SEAL)

Marc G. Caton (SEAL)

Stephen S. Ferguson (SEAL)

Jie Zhang (SEAL)

Witnessed: Jill Shields
Type or print name: JILL SHIELDS

Date: 98-09-18

Witnessed: Bettina Kalisch
Type or print name: Bettina Kalisch

Date: 18/9/98

VCB:thf
f:\documents\DUKE\5405-140\Assignment.doc



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

VCB

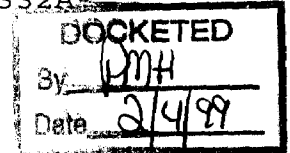
JANUARY 25, 1999

PTAS

MYERS BIGEL SIBLEY & SAJOVEC
VIRGINIA C. BENNETT
P.O. BOX 37428
RALEIGH, NC 27627



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UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 09/25/1998

REEL/FRAME: 9478/0683
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BARAK, LAWRENCE S.

DOC DATE: 09/18/1998

ASSIGNOR:

CANON, MARC G.

DOC DATE: 09/18/1998

ASSIGNOR:

FERGUSON, STEPHEN S.

DOC DATE: 09/18/1998

ASSIGNOR:

ZHANG, JIE

DOC DATE: 09/18/1998

ASSIGNEE:

DUKE UNIVERSITY
ERWIN ROAD
DURHAM, NORTH CAROLINA

SERIAL NUMBER: 08869568
PATENT NUMBER:

FILING DATE: 06/05/1997
ISSUE DATE:

PATENT
REEL: 9826 FRAME: 0752

SEDLEY PYNE, PARALEGAL
ASSIGNMENT DIVISION
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