

U.S.

11-15-2000

OFFICE

BOX ASSIGNMENTS  
Case Docket No. PF132P3



101519534

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

RECORDATION FORM COVER SHEET  
PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):          - John White Executed on Jan-12-2000          - Edward Appelbaum Executed on Jan-19-2000</p> <p>Additional name(s) of conveying party(ies) attached?          3. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Nature of conveyance</p> <p><input checked="" type="checkbox"/> Assignment                      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement            <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p>	<p>2 Name and address of receiving party(ies):</p> <p>Name: Smithkline Beecham Corporation          Street: 709 Swedeland Road,          City: King of Prussia, PA 19406-0939</p> <p>Additional name(s) of conveying party(ies) attached?          Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
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4. Title **Human Chemokine Polypeptides**

<p>5. Application number (s) or patent numbers (s)</p> <p>If this document is being filed together with a new application, the execution date of the application is *****</p>	<p>A. Patent Application No. (s) 08/613,822 Filed Feb-23-96</p> <p>B. Patent No.</p> <p>Additional numbers attached? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
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6. Name and address of party to whom correspondence concerning documents should be mailed:

Human Genome Sciences, Inc.  
9410 Key West Avenue  
Rockville, Maryland 20850  
Telephone: 301-309-8504 Facsimile: 301-309-8439

7. Total of applications and patents involved      1

8. Total Fee (37 CFR 3.41) ..... \$40.00

Enclosed (By check in total of filing fee and Assignment Recordation Fee)

Authorized to be charged to Deposit Account

9. Deposit Account No. 08-3425 (Attached duplicated copy of this page if paying by deposit account)

10. If any additional fees due in connection with the recordation of this Assignment, please charge the same to Deposit No. 08-3425

11. Statement and Signature  
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.

<u>Michelle S. Marks</u>		<u>2/15/2000</u>
Name of Person Signing	Signature	Date
Registration No. 41,971		


U.S. PATENT AND TRADEMARK OFFICE

BOX ASSIGNMENTS  
Case Docket No. PF132P3

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks.  
Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): - Mark D. Adams Executed on Jan-12-2000</p> <p>3. Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Nature of conveyance</p> <p><input checked="" type="checkbox"/> Assignment                      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement            <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p>	<p>2 Name and address of receiving party(ies):</p> <p>Name: The Institute For Genomic Research Street: 9712 Medical Center Drive, City: Rockville, MD 20850</p> <p>Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>4. Title <b>Human Chemokine Polypeptides</b></p>	
<p>5. Application number (s) or patent numbers (s)</p> <p>If this document is being filed together with a new application, the execution date of the application is *****</p>	
<p>A. Patent Application No. (s) 08/613,822 Filed Feb-23-96</p> <p>B. Patent No. Additional numbers attached? Yes <input type="checkbox"/> No <input type="checkbox"/></p>	
<p>6. Name and address of party to whom correspondence concerning documents should be mailed:</p> <p>Human Genome Sciences, Inc. 9410 Key West Avenue Rockville, Maryland 20850 Telephone: 301-309-8504 Facsimile: 301-309-8439</p>	
<p>7. Total of applications and patents involved      1</p>	
<p>8. Total Fee (37 CFR 3.41) ..... \$40.00</p> <p><input type="checkbox"/> Enclosed (By check in total of filing fee and Assignment Recordation Fee  <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account</p>	
<p>9. Deposit Account No.      <u>08-3425</u>      (Attached duplicated copy of this page if paying by deposit account)</p>	
<p>10. If any additional fees due in connection with the recordation of this Assignment, please charge the same to Deposit No. <u>08-3425</u></p>	
<p>11. Statement and Signature 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.</p>	
<p>Michelle S. Marks Name of Person Signing Registration No. 41,971</p>	<p> Signature</p>
<p style="text-align: right;">2/15/2000 Date</p>	

Serial No: 08/613,822

Ref No: PF132P3

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **John White and Edward Appelbaum**, hereby sell(s), assign(s) and transfer(s) to **SMITHKLINE BEECHAM CORPORATION** having a place of business at **709 Swedeland Road, King of Prussia, PA 19406-0939**, its successors, assigns and legal representatives, his/their entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

### Human Chemokine Polypeptides

for which application for United States Letters Patent was filed on **February 23, 1996**, and assigned US Serial No. **08/613,822**, in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

For good and valuable consideration, the receipt of which is hereby acknowledged, **SMITHKLINE BEECHAM CORPORATION** hereby sells, assigns and transfers to **HUMAN GENOME SCIENCES, INC.** (the "Assignee") having a place of business at **9410 Key West Avenue, Rockville, MD 20850**, its successors, assigns and legal representatives, its entire right, title and interest for the United States and all other countries in and to the Patent Rights.

The undersigned further agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represent and warrant to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to **James H. Davis (Reg. No. 40,582, Kenley K. Hoover (Reg. No. 40,302), Michele M. Wales (Reg. No. 43,975), Michelle S. Marks (Reg. No. 41,971), and Joseph Kenny (Reg. No. 43,710)** of **Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, Maryland, 20850** to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.


Serial No: 08/613.822

Ref No: PF132P3

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:  Date: 1/13/2000  
John White

Inventor's Signature:  Date: 1/19/2000  
Edward Appelbaum

Smithkline Beecham Corporation  
By:   
Stephen Venetianer  
Title: Vice President, Pharmaceuticals  
Date: 20 January 2000

Human Genome Sciences, Inc.,  
9410 Key West Avenue, Rockville, Maryland, 20850

Serial No: 08/613,822

Ref No: PF132P3

## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, **Mark D. Adams**, hereby sell(s), assign(s) and transfer(s) to **THE INSTITUTE FOR GENOMIC RESEARCH ("TIGR")** having a place of business at **9712 Medical Center Drive, Rockville, MD 20850**, its successors, assigns and legal representatives, his/their entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

### Human Chemokine Polypeptides

for which application for United States Letters Patent was filed on **February 23, 1996**, and assigned US Serial No. **08/613,822**, in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

For good and valuable consideration, the receipt of which is hereby acknowledged, **TIGR** hereby sells, assigns and transfers to **HUMAN GENOME SCIENCES, INC.** (the "Assignee") having a place of business at **9410 Key West Avenue, Rockville, MD 20850**, its successors, assigns and legal representatives, its entire right, title and interest for the United States and all other countries in and to the Patent Rights.

The undersigned further agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represent and warrant to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

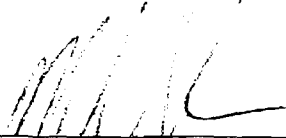
The undersigned hereby grants the power to **James H. Davis** (Reg. No. 40,582, **Kenley K. Hoover** (Reg. No. 40,302), **Michele M. Wales** (Reg. No. 43,975), **Michelle S. Marks** (Reg. No. 41,971), and **Joseph Kenny** (Reg. No. 43,710) of **Human Genome Sciences, Inc.**, 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Serial No: 08/613.822

Ref No: PF132P3

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:

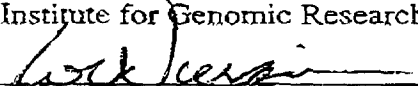
  
Mark D. Adams

Date:

1/12/2000

The Institute for Genomic Research

By:

  
William C. Nierman, Ph.D.

Title:

Vice President for Research

Date:

1/12/00

Human Genome Sciences, Inc.,  
9410 Key West Avenue, Rockville, Maryland, 20850