

02-13-2003



102365537

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

1. Name of conveying party(ies):
**David Narum; Hong Liang;
Steve Fuhmann and B. Kim Lee Sim** *2-10-03*

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

2. Name and Address of receiving party(ies):
Name: **EntreMed, Inc.**
Address: **9640 Medical Center Drive**
City: **Rockville**
State: **MD**
Zip: **20850**

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution date(s) of each conveying party:
David Narum - January 13, 2003
Hong Liang - January 9, 2003
Steve Fuhmann - January 9, 2003
B. Kim Lee Sim - January 9, 2003

4(a). Patent Application No.(s): 10/293,913 Patent No.(s):

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 this document should be mailed:

Name: **Jamie L. Greene, Esq.**
Address: **KILPATRICK STOCKTON LLP**
1100 Peachtree Street
Suite 2800
Atlanta, Georgia 30309-4530

6. Total number of applications and patents involved: **1**

7. Total fee (37 C.F.R. §3.41) enclosed: **\$40.00**

DO NOT USE THIS SPACE

8. 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.

I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Assignments, Commissioner of Patents & Trademarks, Washington, DC 20231, on the date given below.

Elena S. Polovnikova, Ph.D. *Elena S. Polovnikova* Date: February 5, 2003
Name of Person Signing Signature Total number of pages including cover sheet: 4
Attorney Docket No.:
05213-0464 (43170-280206)

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks
Box Assignments
Washington, DC 20231

02/12/2003 ECDOPER 00000126 10293913
01 FC:0021 40.00 DP

ASSIGNMENT

WHEREAS, we, **David Narum**, a citizen of the United States of America, residing at 8533 Fountain Valley Drive, Gaithersburg, Maryland 20879; **Hong Liang**, a citizen of the United States of America, residing at 852 Bayridge Drive, Gaithersburg, Maryland 20878; **Steve Fuhrmann**, a citizen of the United States of America, residing at 13468 Ansel Terrace, Germantown, Maryland 20874; **B. Kim Lee Sim**, a citizen of the United States of America, residing at 308 Argosy Drive, Gaithersburg, Maryland 20878, have invented certain inventions and improvements disclosed in an application for Letters Patent entitled "**Synthetic Genes for Malarial Proteins and Methods of Use**", filed in the U.S. Patent & Trademark Office on November 12, 2002 and assigned Serial No. 10/293,913; and

WHEREAS, **EntreMed, Inc.**, a corporation of the State of Delaware having a principal place of business at 9640 Medical Center Drive, Rockville, Maryland 20850, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of Five Dollars (\$5.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **David Narum**, **Hong Liang**, **Steve Fuhrmann**, and **B. Kim Lee Sim** by these presents do sell, assign and transfer unto **EntreMed, Inc.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation,

or reissue thereof, to **EntreMed, Inc.**, as the assignee, for its interest and for the sole use and benefit of **EntreMed, Inc.**, and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **EntreMed, Inc.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **EntreMed, Inc.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **EntreMed, Inc.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: _____

✓


David Narum

Dated: 1-9-03

✓ 


Hong Liang

Dated: 1-9-03

✓ 

Steve Fuhrmann

Dated: 1-9-03

✓ 

B. Kim Lee Sim

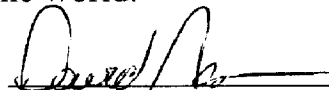
Our Docket: 05213-0464 (43170-254330)

or reissue thereof, to **EntreMed, Inc.**, as the assignee, for its interest and for the sole use and benefit of **EntreMed, Inc.**, and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **EntreMed, Inc.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **EntreMed, Inc.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **EntreMed, Inc.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Dated: 01/13/03



David Narum

Dated: _____

Hong Liang

Dated: _____

Steve Fuhrmann

Dated: _____

B. Kim Lee Sim

Our Docket: 05213-0464 (43170-254330)