

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																										
NATURE OF CONVEYANCE:	ASSIGNMENT																										
CONVEYING PARTY DATA																											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Paul Gibbons</td><td>05/02/2012</td></tr><tr><td>Emily Hanan</td><td>04/27/2012</td></tr><tr><td>Wendy Liu</td><td>04/26/2012</td></tr><tr><td>Joseph P. Lyssikatos</td><td>04/27/2012</td></tr><tr><td>Steven R. Magnuson</td><td>04/26/2012</td></tr><tr><td>Rohan Mendonca</td><td>05/08/2012</td></tr><tr><td>Richard Pastor</td><td>04/26/2012</td></tr><tr><td>Thomas E. Rawson</td><td>05/02/2012</td></tr><tr><td>Michael Siu</td><td>04/26/2012</td></tr><tr><td>Mark Zak</td><td>04/27/2012</td></tr><tr><td>Aihe Zhou</td><td>04/27/2012</td></tr><tr><td>Bing-Yan Zhu</td><td>04/27/2012</td></tr></tbody></table>		Name	Execution Date	Paul Gibbons	05/02/2012	Emily Hanan	04/27/2012	Wendy Liu	04/26/2012	Joseph P. Lyssikatos	04/27/2012	Steven R. Magnuson	04/26/2012	Rohan Mendonca	05/08/2012	Richard Pastor	04/26/2012	Thomas E. Rawson	05/02/2012	Michael Siu	04/26/2012	Mark Zak	04/27/2012	Aihe Zhou	04/27/2012	Bing-Yan Zhu	04/27/2012
Name	Execution Date																										
Paul Gibbons	05/02/2012																										
Emily Hanan	04/27/2012																										
Wendy Liu	04/26/2012																										
Joseph P. Lyssikatos	04/27/2012																										
Steven R. Magnuson	04/26/2012																										
Rohan Mendonca	05/08/2012																										
Richard Pastor	04/26/2012																										
Thomas E. Rawson	05/02/2012																										
Michael Siu	04/26/2012																										
Mark Zak	04/27/2012																										
Aihe Zhou	04/27/2012																										
Bing-Yan Zhu	04/27/2012																										
RECEIVING PARTY DATA																											
<table border="1"><tr><td>Name:</td><td>Genentech, Inc.</td></tr><tr><td>Street Address:</td><td>1 DNA Way</td></tr><tr><td>City:</td><td>South San Francisco</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94080-4990</td></tr></table>		Name:	Genentech, Inc.	Street Address:	1 DNA Way	City:	South San Francisco	State/Country:	CALIFORNIA	Postal Code:	94080-4990																
Name:	Genentech, Inc.																										
Street Address:	1 DNA Way																										
City:	South San Francisco																										
State/Country:	CALIFORNIA																										
Postal Code:	94080-4990																										
PROPERTY NUMBERS Total: 1																											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13382145</td></tr></tbody></table>		Property Type	Number	Application Number:	13382145																						
Property Type	Number																										
Application Number:	13382145																										
CORRESPONDENCE DATA																											
Fax Number:	(650)952-9881																										
Phone:	(650) 467-3417																										
Email:	joanlm@gene.com																										
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent																											

CH \$40.00 13382145

*via US Mail.*

Correspondent Name: Christopher J. Walsh  
Address Line 1: 1 DNA Way  
Address Line 4: South San Francisco, CALIFORNIA 94080

ATTORNEY DOCKET NUMBER:

P4343R1

NAME OF SUBMITTER:

Christopher J. Walsh

Total Attachments: 12

source=P4343R1\_Executed\_Assignment#page1.tif  
source=P4343R1\_Executed\_Assignment#page2.tif  
source=P4343R1\_Executed\_Assignment#page3.tif  
source=P4343R1\_Executed\_Assignment#page4.tif  
source=P4343R1\_Executed\_Assignment#page5.tif  
source=P4343R1\_Executed\_Assignment#page6.tif  
source=P4343R1\_Executed\_Assignment#page7.tif  
source=P4343R1\_Executed\_Assignment#page8.tif  
source=P4343R1\_Executed\_Assignment#page9.tif  
source=P4343R1\_Executed\_Assignment#page10.tif  
source=P4343R1\_Executed\_Assignment#page11.tif  
source=P4343R1\_Executed\_Assignment#page12.tif

**ASSIGNMENT**

WHEREAS, Paul Gibbons, Emily Hanan, Wendy Liu, Jospeh P. Lyssikatos, Steven R. Magnuson, Rohan Mendonca, Richard Pastor, Thomas E. Rawson, Michael Siu, Mark Zak, Aihe Zhou, and Bing-Yan Zhu (each an "ASSIGNOR"), have invented a new and useful invention in

**PYRAZOLOPYRIMIDINE JAK INHIBITOR COMPOUNDS AND METHODS**

for which International Application Serial No. PCT/US2010/040906, filed July 2, 2010, has been filed and claims the benefit from United States Provisional Application No. 61/222,918, filed July 2, 2009, and was subsequently submitted to the United States Receiving Office under 35 USC §371 on January 3, 2012 as Application Serial No. 13/382,145 (Docket No. P4343R1) for Letters Patent; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 1 DNA Way, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the undersigned ASSIGNOR(S) have and do hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all applications filed and Letters Patents granted and issued therefor, or any continuation, division, renewal, or substitute thereof, and as to Letters Patents any reissue or re-examination thereof, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

The undersigned ASSIGNOR(S) covenant and agree to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the undersigned ASSIGNOR(S) includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance, all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the undersigned ASSIGNOR(S) in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon the undersigned ASSIGNOR(S), their respective heirs, legal representatives and assigns.

The undersigned ASSIGNOR(S) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I/we undersign as follows;

Paul Gibbons 5/2/2012  
Paul Gibbons Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

\_\_\_\_\_  
Emily Hanan Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

\_\_\_\_\_  
Wendy Liu Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: CN

\_\_\_\_\_  
Jospeh P. Lyssikatos Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

\_\_\_\_\_  
Steven R. Magnuson Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: CA

\_\_\_\_\_  
Rohan Mendonca Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

---

Richard Pastor	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Thomas E. Rawson	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Michael Siu	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Mark Zak	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: CA	

---

Aihe Zhou	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Bing-Yan Zhu	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

## ASSIGNMENT

WHEREAS, Paul Gibbons, Emily Hanan, Wendy Liu, Joseph P. Lyssikatos, Steven R. Magnuson, Rohan Mendonca, Richard Pastor, Thomas E. Rawson, Michael Siu, Mark Zak, Aihe Zhou, and Bing-Yan Zhu (each an "ASSIGNOR"), have invented a new and useful invention in

### PYRAZOLOPYRIMIDINE JAK INHIBITOR COMPOUNDS AND METHODS

for which International Application Serial No. PCT/US2010/040906, filed July 2, 2010 has been filed and claims the benefit from United States Provisional Application No. 61/222,918, filed July 2, 2009, and was subsequently submitted to the United States Receiving Office under 35 USC §371 on January 3, 2012 as Application Serial No. 13/382,145 (Docket No. P4343R1) for Letters Patent; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 1 DNA Way, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the undersigned ASSIGNOR(S) have and do hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all applications filed and Letters Patents granted and issued therefor, or any continuation, division, renewal, or substitute thereof, and as to Letters Patents any reissue or re-examination thereof, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

The undersigned ASSIGNOR(S) covenant and agree to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the undersigned ASSIGNOR(S) includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance, all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the undersigned ASSIGNOR(S) in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon the undersigned ASSIGNOR(S), their respective heirs, legal representatives and assigns.

The undersigned ASSIGNOR(S) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I/we undersign as follows;

Paul Gibbons

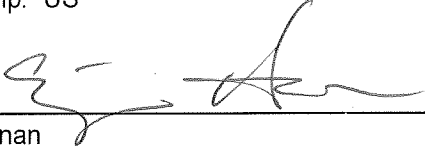
Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US



4/27/12

Emily Hanan

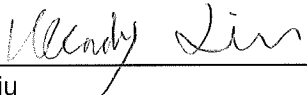
Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US



4/26/12

Wendy Liu

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: CN



04/27/12

Joseph P. Lyssikatos

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US



04/26/2012

Steven R. Magnuson

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: CA

Rohan Mendonca

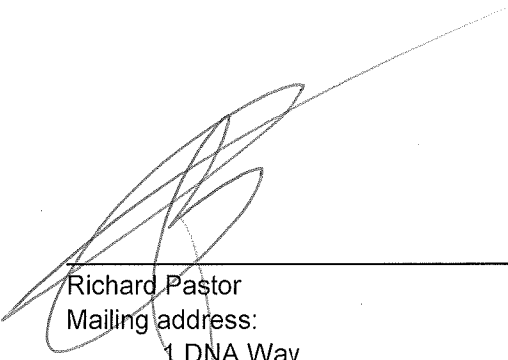
Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

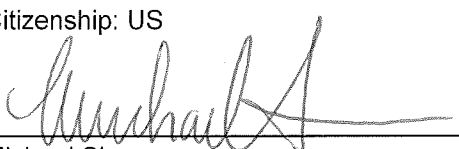


Richard Pastor  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

4/26/2012  
Date

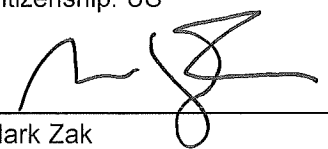
Thomas E. Rawson  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

Date




Michael Siu  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

April 20, 2012  
Date



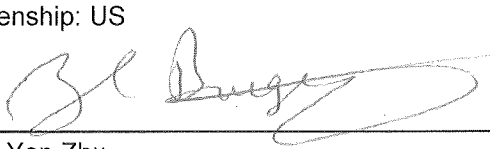
Mark Zak  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: CA

4/27/2012  
Date



Aihe Zhou  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

4/27/2012  
Date



Bing-Yan Zhu  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

4/27/2012  
Date



**ASSIGNMENT**

WHEREAS, Paul Gibbons, Emily Hanan, Wendy Liu, Joseph P. Lyssikatos, Steven R. Magnuson, Rohan Mendonca, Richard Pastor, Thomas E. Rawson, Michael Siu, Mark Zak, Aihe Zhou, and Bing-Yan Zhu (each an "ASSIGNOR"), have invented a new and useful invention in

**PYRAZOLOPYRIMIDINE JAK INHIBITOR COMPOUNDS AND METHODS**

for which International Application Serial No. PCT/US2010/040906, filed July 2, 2010 has been filed and claims the benefit from United States Provisional Application No. 61/222,918, filed July 2, 2009, and was subsequently submitted to the United States Receiving Office under 35 USC §371 on January 3, 2012 as Application Serial No. 13/382,145 (Docket No. P4343R1) for Letters Patent; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 1 DNA Way, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the undersigned ASSIGNOR(S) have and do hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all applications filed and Letters Patents granted and issued therefor, or any continuation, division, renewal, or substitute thereof, and as to Letters Patents any reissue or re-examination thereof, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

The undersigned ASSIGNOR(S) covenant and agree to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the undersigned ASSIGNOR(S) includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance, all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the undersigned ASSIGNOR(S) in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon the undersigned ASSIGNOR(S), their respective heirs, legal representatives and assigns.

The undersigned ASSIGNOR(S) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I/we undersign as follows;

---

Paul Gibbons Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Emily Hanan Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Wendy Liu Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: CN

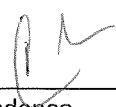
---

Jospeh P. Lyssikatos Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Steven R. Magnuson Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: CA

---

 05/08/2012  
Rohan Mendonca Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Richard Pastor	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Thomas E. Rawson	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Michael Siu	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Mark Zak	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: CA	

---

Aihe Zhou	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

---

Bing-Yan Zhu	Date
Mailing address:	
1 DNA Way	
South San Francisco, CA 94080	
Citizenship: US	

**ASSIGNMENT**

WHEREAS, Paul Gibbons, Emily Hanan, Wendy Liu, Josphe P. Lyssikatos, Steven R. Magnuson, Rohan Mendonca, Richard Pastor, Thomas E. Rawson, Michael Siu, Mark Zak, Aihe Zhou, and Bing-Yan Zhu (each an "ASSIGNOR"), have invented a new and useful invention in

**PYRAZOLOPYRIMIDINE JAK INHIBITOR COMPOUNDS AND METHODS**

for which International Application Serial No. PCT/US2010/040906, filed July 2, 2010 has been filed and claims the benefit from United States Provisional Application No. 61/222,918, filed July 2, 2009, and was subsequently submitted to the United States Receiving Office under 35 USC §371 on January 3, 2012 as Application Serial No. 13/382,145 (Docket No. P4343R1) for Letters Patent; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 1 DNA Way, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the undersigned ASSIGNOR(S) have and do hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all applications filed and Letters Patents granted and issued therefor, or any continuation, division, renewal, or substitute thereof, and as to Letters Patents any reissue or re-examination thereof, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

The undersigned ASSIGNOR(S) covenant and agree to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the undersigned ASSIGNOR(S) includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance, all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the undersigned ASSIGNOR(S) in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon the undersigned ASSIGNOR(S), their respective heirs, legal representatives and assigns.

The undersigned ASSIGNOR(S) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I/we undersign as follows;

---

Paul Gibbons Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Emily Hanan Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Wendy Liu Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: CN

---

Jospeh P. Lyssikatos Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Steven R. Magnuson Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: CA

---

Rohan Mendonca Date  
Mailing address:  
1 DNA Way  
South San Francisco, CA 94080  
Citizenship: US

---

Richard Pastor

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

*Thomas E. Rawson*

*5-2-12*

---

Thomas E. Rawson

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

---

Michael Siu

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

---

Mark Zak

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: CA

---

Aihe Zhou

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US

---

Bing-Yan Zhu

Date

Mailing address:

1 DNA Way

South San Francisco, CA 94080

Citizenship: US