
OMB APPROVAL

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

SCHEDULE 13G
(Amendment No. 6)*

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO
RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO
FILED PURSUANT TO 13d-2 (b)

RIGEL PHARMACEUTICALS, INC.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

766559108

(CUSIP Number)

December 31, 2003

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP No. 766559108

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta Partners

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

California

5 SOLE VOTING POWER

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER 2,210,601 Please see Attachment A & Footnote 1 ----- 7 SOLE DISPOSITIVE POWER -0- ----- 8 SHARED DISPOSITIVE POWER 2,210,601 Please see Attachment A & Footnote 1 -----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,210,601 Please see Attachment A and Footnote 1 -----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* |_ | -----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 14.9% -----

12 TYPE OF REPORTING PERSON* IA -----

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 1: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

1 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Alta Partners II, Inc. -----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) |_ | (b) |X| -----

3 SEC USE ONLY -----

4 CITIZENSHIP OR PLACE OF ORGANIZATION California -----

5 SOLE VOTING POWER -0- -----

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER 2,210,601 Please see Attachment A & Footnote 2 ----- 7 SOLE DISPOSITIVE POWER -0- ----- 8 SHARED DISPOSITIVE POWER 2,210,601 Please see Attachment A & Footnote 2 -----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,210,601 Please see Attachment A and Footnote 2 -----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* |_ | -----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 14.9% -----

12 TYPE OF REPORTING PERSON*

IA

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 2: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta California Partners, L. P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

-0-

NUMBER OF SHARES 6 SHARED VOTING POWER

BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 2,210,601
Please see Attachment A & Footnote 3

7 SOLE DISPOSITIVE POWER

-0-

8 SHARED DISPOSITIVE POWER

2,210,601
Please see Attachment A & Footnote 3

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,210,601 Please see Attachment A and Footnote 3

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

14.9%

12 TYPE OF REPORTING PERSON*

PN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 3: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta California Management Partners, L. P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER
-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER
2,210,601
Please see Attachment A & Footnote 4

7 SOLE DISPOSITIVE POWER
-0-

8 SHARED DISPOSITIVE POWER
2,210,601
Please see Attachment A & Footnote 4

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
2,210,601 Please see Attachment A and Footnote 4

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
_
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
14.9%

12 TYPE OF REPORTING PERSON*
PN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 4: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
Alta Embarcadero Partners, LLC

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) |_|
(b) |X|

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
California

5 SOLE VOTING POWER
-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER
2,210,601
Please see Attachment A & Footnote 5

7 SOLE DISPOSITIVE POWER
-0-

8 SHARED DISPOSITIVE POWER
2,210,601
Please see Attachment A & Footnote 5

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
2,210,601 Please see Attachment A and Footnote 5

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

|_ |

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

14.9%

12 TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 5: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta BioPharma Partners II, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) |_ |
(b) |X |

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

-0-

6 SHARED VOTING POWER

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

2,210,601

Please see Attachment A & Footnote 6

7 SOLE DISPOSITIVE POWER

-0-

8 SHARED DISPOSITIVE POWER

2,210,601

Please see Attachment A & Footnote 6

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,210,601 Please see Attachment A and Footnote 6

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

|_ |

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

14.9%

12 TYPE OF REPORTING PERSON*

PN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 6: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta BioPharma Management Partners II, LLC.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) |_ |

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

6 SHARED VOTING POWER

2,210,601
Please see Attachment A & Footnote 7

7 SOLE DISPOSITIVE POWER

-0-

8 SHARED DISPOSITIVE POWER

2,210,601
Please see Attachment A & Footnote 7

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,210,601 Please see Attachment A and Footnote 7

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

|_ |

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

14.9%

12 TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 7: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Alta Embarcadero BioPharma Partners II, LLC.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) |_ |

(b) |X|

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

6 SHARED VOTING POWER

2,210,601
Please see Attachment A & Footnote 8

7 SOLE DISPOSITIVE POWER

-0-

8 SHARED DISPOSITIVE POWER

2,210,601

Please see Attachment A & Footnote 8

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
2,210,601 Please see Attachment A and Footnote 8

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
14.9%

12 TYPE OF REPORTING PERSON*
CO

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 8: Includes the 1,950,184 shares of Common Stock and Warrants to purchase 260,417 shares of Common Stock held by the funds affiliated with Alta Partners and Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
Farah Champsi

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
United States

5 SOLE VOTING POWER
-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
6 SHARED VOTING POWER
1,481,943
Please see Attachment A & Footnote 9

7 SOLE DISPOSITIVE POWER
-0-

8 SHARED DISPOSITIVE POWER
1,481,943
Please see Attachment A & Footnote 9

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,481,943 Please see Attachment A and Footnote 9

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
10.0%

12 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 9: Includes the 1,256,249 shares of Common Stock and Warrants to purchase 225,694 shares of Common Stock held by the funds affiliated with Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Jean Deleage

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

2,779

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

6 SHARED VOTING POWER

2,210,601
Please see Attachment A & Footnote 10

7 SOLE DISPOSITIVE POWER

2,779

8 SHARED DISPOSITIVE POWER

2,210,601
Please see Attachment A & Footnote 10

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,213,380 Please see Attachment A and Footnote 10

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

14.9%

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 10: Includes the 1,950,184 shares of Common Stock, Warrants to purchase 260,417 shares of Common Stock, and Stock Options for 2,779 shares of Common Stock. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Garrett Gruener

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)
(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH

6 SHARED VOTING POWER

728,658
Please see Attachment A & Footnote 11

REPORTING PERSON WITH 7 SOLE DISPOSITIVE POWER
-0-

8 SHARED DISPOSITIVE POWER
728,658
Please see Attachment A & Footnote 11

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
728,658 Please see Attachment A and Footnote 11

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
|_|

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
4.9%

12 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 11: Includes the 693,935 shares of Common Stock and Warrants to purchase 34,723 shares of Common Stock held by the funds affiliated with Alta Partners. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
Alix Marduel

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) |_|
(b) |X|

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
United States

5 SOLE VOTING POWER
-0-

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 6 SHARED VOTING POWER
1,481,943
Please see Attachment A & Footnote 12

7 SOLE DISPOSITIVE POWER
-0-

8 SHARED DISPOSITIVE POWER
1,481,943
Please see Attachment A & Footnote 12

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
1,481,943 Please see Attachment A and Footnote 12

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
|_|

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
10.0%

12 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 12: Includes the 1,256,249 shares of Common Stock and Warrants to purchase 225,694 shares of Common Stock held by the funds affiliated with Alta Partners II. See Attachment A.

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1 NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Guy Nohra

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

-0-

6 SHARED VOTING POWER

728,658

NUMBER OF BENEFCIALLY OWNED BY EACH REPORTING PERSON WITH

728,658
Please see Attachment A & Footnote 13

7 SOLE DISPOSITIVE POWER

-0-

8 SHARED DISPOSITIVE POWER

728,658

Please see Attachment A & Footnote 13

9 AGGREGATE AMOUNT BENEFCIALLY OWNED BY EACH REPORTING PERSON

728,658 Please see Attachment A and Footnote 13

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

4.9%

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Footnote 13: Includes the 693,935 shares of Common Stock and Warrants to purchase 34,723 shares of Common Stock held by the funds affiliated with Alta Partners. See Attachment A.

CUSIP No. 766559108

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Item 1.

(a) Name of Issuer: Rigel Pharmaceuticals, Inc. ("Issuer")

(b) Address of Issuer's Principal Executive Offices:

1180 Veterans Boulevard
South San Francisco, CA 94080

Item 2.

(a) Name of Person Filing:

Alta Partners ("AP")
Alta Partners II, Inc. ("AP II")
Alta California Partners, L.P. ("ACP")
Alta California Management Partners, L.P. ("ACMP")
Alta Embarcadero Partners, LLC ("AEP")

Alta BioPharma Partners II, L.P. ("ABP II")
 Alta BioPharma Management Partners II, LLC ("ABMP II")
 Alta Embarcadero BioPharma Partners II, LLC ("AEBP II")
 Farah Champsii ("FC")
 Jean Deleage ("JD")
 Garrett Gruener ("GG")
 Alix Marduel ("AM")
 Guy Nohra ("GN")

(b) Address of Principal Business Office:

One Embarcadero Center, Suite 4050
 San Francisco, CA 94111

(c) Citizenship/Place of Organization:

Entities:	AP	California
	AP II	California
	ACP	Delaware
	ACMP	Delaware
	AEP	California
	ABP II	Delaware
	ABMP II	Delaware
	AEBP II	California
Individuals:	FC	United States
	JD	United States
	GG	United States
	AM	United States
	GN	United States

(d) Title of Class of Securities: Common Stock

(e) CUSIP Number: 766559108

CUSIP No. 766559108

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Item 3. Not applicable.

Item 4. Ownership.

Please see Attachment A

The numbers listed below reflect the 1:9 Reverse Stock Split effective June 26, 2003.

<TABLE>
 <CAPTION>

		AP	AP II	ACP	ACMP	AEP	ABP II	ABMP II
<S>		<C>	<C>	<C>	<C>	<C>	<C>	<C>
(a)	Beneficial Ownership	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601
(b)	Percentage of Class	14.9%	14.9%	14.9%	14.9%	14.9%	14.9%	14.9%
(c)	Sole Voting Power	-0-	-0-	-0-	-0-	-0-	-0-	-0-
	Shared Voting Power	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601
	Sole Dispositive Power	-0-	-0-	-0-	-0-	-0-	-0-	-0-
	Shared Dispositive Power	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601	2,210,601
		AEBP II	FC	JD	GG	AM	GN	
(a)	Beneficial Ownership	2,210,601	1,481,943	2,213,380	728,658	1,481,943	728,658	

(b)	Percentage of Class	14.9%	10.0%	14.9%	4.9%	10.0%	4.9%
(c)	Sole Voting Power	-0-	-0-	2,779	-0-	-0-	-0-
	Shared Voting Power	2,210,601	1,481,943	2,210,601	728,658	1,481,943	728,658
	Sole Dispositive Power	-0-	-0-	2,779	-0-	-0-	-0-
	Shared Dispositive Power	2,210,601	1,481,943	2,210,601	728,658	1,481,943	728,658

Item 5. Ownership of Five Percent or Less of a Class

Not Applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group

No reporting person is a member of a group as defined in Section 240.13d-1(b)(1)(ii)(H) of the Act.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below we certify that, to the best of our knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

EXHIBITS

A: Joint Filing Statement

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 10, 2004

<TABLE>

<S>	<C>
ALTA PARTNERS	ALTA CALIFORNIA PARTNERS, L.P.

By: Alta California Management Partners, L.P.,

By: /s/ Jean Deleage

 Jean Deleage, President

By: /s/ Jean Deleage

 Jean Deleage, General Partner

ALTA CALIFORNIA MANAGEMENT PARTNERS, L.P.

ALTA EMBARCADERO PARTNERS, LLC

By: /s/ Jean Deleage

By: /s/ Jean Deleage

Jean Deleage, General Partner

Jean Deleage, Member

ALTA PARTNERS II, INC.

By: /s/ Jean Deleage

Jean Deleage, President

ALTA BIOPHARMA PARTNERS II, L.P.

By: Alta BioPharma Management Partners II, LLC

By: /s/ Farah Champsi

Farah Champsi, Managing Director

ALTA BIOPHARMA MANAGEMENT PARTNERS II, LLC

By: /s/ Farah Champsi

Farah Champsi, Managing Director

ALTA EMBARCADERO BIOPHARMA PARTNERS II, LLC

By: /s/ Farah Champsi

Farah Champsi, Manager

/s/ Alix Marduel

Alix Marduel

/s/ Jean Deleage

Jean Deleage

/s/ Guy Nohra

Guy Nohra

/s/ Garrett Gruener

Garrett Gruener

/s/ Farah Champsi

Farah Champsi

</TABLE>

EXHIBIT A

AGREEMENT OF JOINT FILING

Date: February 11, 2004

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

<TABLE>

<S>

ALTA PARTNERS

By: /s/ Jean Deleage

Jean Deleage, President

Jean Deleage, President

<C>

ALTA CALIFORNIA PARTNERS, L.P.

By: Alta California Management Partners, L.P.,

By: /s/ Jean Deleage

Jean Deleage, General Partner

Jean Deleage, General Partner

ALTA CALIFORNIA MANAGEMENT PARTNERS, L.P.

By: /s/ Jean Deleage

Jean Deleage, General Partner

Jean Deleage, General Partner

ALTA EMBARCADERO PARTNERS, LLC

By: /s/ Jean Deleage

Jean Deleage, Member

Jean Deleage, Member

ALTA PARTNERS II, INC.

By: /s/ Jean Deleage

Jean Deleage, President

Jean Deleage, President

ALTA BIOPHARMA PARTNERS II, L.P.

By: Alta BioPharma Management Partners II, LLC

By: /s/ Farah Champsi

Farah Champsi, Managing Director

Farah Champsi, Managing Director

ALTA BIOPHARMA MANAGEMENT PARTNERS II, LLC

By: /s/ Farah Champsi

Farah Champsi, Managing Director

Farah Champsi, Managing Director

ALTA EMBARCADERO BIOPHARMA PARTNERS II, LLC

By: /s/ Farah Champsi

/s/ Alix Marduel

Farah Champs, Manager

Alix Marduel

/s/ Jean Deleage

/s/ Guy Nohra

Jean Deleage

Guy Nohra

/s/ Garrett Gruener

/s/ Farah Champs

Garrett Gruener

Farah Champs

</TABLE>

Attachment A

Alta Partners provides investment advisory services to several venture capital funds including Alta California Partners, L.P. and Alta Embarcadero Partners, LLC. Alta California Partners, L.P. beneficially owns 678,436 shares of Common Stock and Warrants to purchase 33,947 shares of Common Stock. Alta Embarcadero Partners, LLC beneficially owns 15,499 shares of Common Stock and Warrants to purchase 776 shares of Common Stock. The respective general partners and members of Alta California Partners L.P. and Alta Embarcadero Partners, LLC exercise sole voting and investment power with respect to the shares owned by such funds.

Certain principals of Alta Partners are general partners of Alta California Management Partners, L.P. (which is a general partner of Alta California Partners, L.P.), and members Alta Embarcadero Partners, LLC. As general partners and members of such funds, they may be deemed to share voting and investment powers over the shares held by the funds. The principals of Alta Partners disclaim beneficial ownership of all such shares held by the foregoing funds, except to the extent of their proportionate pecuniary interests therein.

Alta Partners II, Inc. provides investment advisory services to several venture capital funds including Alta BioPharma Partners II, L.P. and Alta Embarcadero BioPharma Partners II, LLC. Alta BioPharma Partners II, L.P. beneficially owns 1,211,676 shares of Common Stock and Warrants to purchase 217,686 shares of Common stock. Alta Embarcadero BioPharma Partners II, LLC beneficially owns 44,573 shares Common Stock and Warrants to purchase 8,008 shares of Common Stock. The managing directors of Alta BioPharma Partners II, L.P. and managers of Alta Embarcadero BioPharma Partners II, LLC exercise sole voting and investment power in respect to the shares owned by such funds.

Certain principals of Alta Partners II, Inc. are managing directors of Alta BioPharma Management II, LLC (which is the general partner of Alta BioPharma Partners II, L.P.), and managers of Alta Embarcadero BioPharma Partners II, LLC. As managing directors and managers of such entities, they may be deemed to share voting and investment powers over the shares beneficially held by the funds. The principals of Alta Partners II, Inc. disclaim beneficial ownership of all such shares held by the foregoing funds, except to the extent of their proportionate pecuniary interests therein.

Mr. Jean Deleage, Director, is a managing director of Alta BioPharma Management Partners II, LLC (which is the general partner of Alta BioPharma Partners II, L.P.), a manager of Alta Embarcadero BioPharma Partners II, LLC, a general partner of Alta California Management Partners, L.P. (which is the general partner of Alta California Partners, L.P.), and a member of Alta Embarcadero Partners, LLC. Thus he currently shares voting and dispositive powers over the 1,429,362 shares of Common Stock beneficially owned by Alta BioPharma Partners II, L.P., the 52,581 shares of Common Stock beneficially owned by Alta Embarcadero BioPharma Partners II, LLC, the 712,362 shares of Common Stock beneficially owned by Alta California Partners L.P. and the 16,275 shares of Common Stock beneficially owned by Alta Embarcadero Partners, LLC. He disclaims beneficial ownership of all such shares held by all of the foregoing funds except to the extent of his proportionate pecuniary interests therein. He holds stock options for 2,779 shares of Common Stock: options for 1,667 shares were granted on June 26, 2003, options for 556 shares were granted on June 20, 2002 and options for 556 shares were granted on July 19, 2001.

Ms. Farah Champs is a managing director of Alta BioPharma Management Partners II, LLC (which is the general partner of Alta BioPharma Partners II, L.P.) and a manager of Alta Embarcadero BioPharma Partners II, LLC. Thus she currently shares voting and dispositive powers over the 1,429,362 shares of Common Stock beneficially owned by Alta BioPharma Partners II, L.P. and the 52,581 shares of Common Stock beneficially owned by Alta Embarcadero BioPharma Partners II, LLC. She disclaims beneficial ownership of all such shares held by all of the foregoing funds except to the extent of her proportionate pecuniary interests therein.

Mr. Garrett Gruener is a general partner of Alta California Management Partners, L.P. (which is the general partner of Alta California Partners, L.P.) and a member of Alta Embarcadero Partners, LLC. Thus he shares voting and dispositive powers over the 712,383 shares of Common Stock beneficially owned by Alta California Partners L.P. and 16,275 shares of Common stock beneficially owned by Alta Embarcadero Partners LLC. He disclaims beneficial ownership of all such shares held by all of the foregoing funds except to the extent of his

proportionate pecuniary interests therein.

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Attachment A (continued)

Dr. Alix Marduel is a managing director of Alta BioPharma Management Partners II, LLC (which is the general partner of Alta BioPharma Partners II, L.P.) and a manager of Alta Embarcadero BioPharma Partners II, LLC. Thus she currently shares voting and dispositive powers over the 1,429,362 shares of Common Stock beneficially owned by Alta BioPharma Partners II, L.P. and the 52,581 shares of Common Stock beneficially owned by Alta Embarcadero BioPharma Partners II, LLC. She disclaims beneficial ownership of all such shares held by all of the foregoing funds except to the extent of her proportionate pecuniary interests therein.

Mr. Guy Nohra is a general partner of Alta California Management Partners, L.P. (which is the general partner of Alta California Partners, L.P.). Thus he shares voting and dispositive powers over the 712,383 shares of Common Stock beneficially owned by Alta California Partners L.P. He disclaims beneficial ownership of all such shares held by all of the foregoing funds except to the extent of his proportionate pecuniary interests therein.

Alta Partners and Alta Partners II, Inc. are venture capital firms that share an office in San Francisco. Alta Partners is California Corporation. Alta Partners II, Inc. is a California Corporation. Alta California Partners, L.P. is a Delaware Limited Partnership, Alta Embarcadero Partners, LLC is a California Limited Liability Company, Alta BioPharma Partners II, L.P. is a Delaware Limited Partnership, and Alta Embarcadero BioPharma Partners II, LLC is a California Limited Liability Company.

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