

BB BIOVENTURES L P  
Form SC 13G  
May 29, 2009

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
SCHEDULE 13G  
Under the Securities Exchange Act of 1934  
(Amendment No. \_\_)\*  
OSCIENT PHARMACEUTICALS CORP.  
(Name of Issuer)  
COMMON STOCK  
(Title of Class of Securities)  
68812R303  
(CUSIP Number)  
JANUARY 28, 2009**

(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).

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

BB BioVentures L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Delaware

SOLE VOTING POWER

5

NUMBER OF 5,974,867\*

SHARED VOTING POWER

6

SHARES BENEFICIALLY OWNED BY 0

SOLE DISPOSITIVE POWER

7

EACH REPORTING PERSON 5,974,867\*

SHARED DISPOSITIVE POWER

8

WITH: 0

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

5,974,867\*

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

o

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

12.9%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

\* Includes 5,973,636 shares issuable upon conversion of 12.50% Convertible Guaranteed Senior Promissory Note hold by the Reporting Person.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

BAB BioVentures L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Delaware

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

6

SHARES BENEFICIALLY OWNED BY 5,974,867\*

SOLE DISPOSITIVE POWER

7

EACH REPORTING PERSON 0

SHARED DISPOSITIVE POWER

8

WITH: 5,974,867\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

5,974,867\*

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

o

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

12.9%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

\* These shares are beneficially owned directly by BB BioVentures L.P. The Reporting Person is the direct general partner of BB BioVentures L.P.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

BAB BioVentures, N.V.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Netherlands Antilles

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

5,974,867\*

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

0

SHARED DISPOSITIVE POWER

WITH: 8

5,974,867\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

5,974,867\*

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

o

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

12.9%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO

\* These shares are beneficially owned directly by BB BioVentures L.P. The Reporting Person is the indirect general partner of BB BioVentures L.P.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

MPM BioVentures Parallel Fund, L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Delaware

SOLE VOTING POWER

5

NUMBER OF 728,641\*

SHARED VOTING POWER

6

SHARES BENEFICIALLY OWNED BY 0

SOLE DISPOSITIVE POWER

7

EACH REPORTING PERSON 728,641\*

SHARED DISPOSITIVE POWER

8

WITH: 0

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

728,641\*



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

o

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

1.6%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

\* Includes 727,272 shares issuable upon conversion of 12.50% Convertible Guaranteed Senior Promissory Note hold by the Reporting Person.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

MPM BioVentures I L.P.

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Delaware

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

6

SHARES BENEFICIALLY OWNED BY 728,641\*

SOLE DISPOSITIVE POWER

7

EACH REPORTING PERSON 0

SHARED DISPOSITIVE POWER

8

WITH: 728,641\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

728,641\*

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

o

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

1.6%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

PN

\* These shares are beneficially owned directly by MPM BioVentures Parallel Fund, LP. The Reporting Person is the direct general partner of MPM BioVentures Parallel Fund, L.P.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

MPM BioVentures I LLC

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

Delaware

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

728,641\*

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

0

SHARED DISPOSITIVE POWER

WITH: 8

728,641\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

728,641\*

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

o

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

1.6%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

OO

\* These shares are beneficially owned directly by MPM BioVentures Parallel Fund, L.P. The Reporting Person is the indirect general partner of MPM BioVentures Parallel Fund, L.P.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1 MPM Asset Management Investors 1998 LLC

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2 (a)   
(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4 Delaware

SOLE VOTING POWER

5 NUMBER OF 77,985\*

SHARED VOTING POWER

6 SHARES BENEFICIALLY OWNED BY 0

SOLE DISPOSITIVE POWER

7 EACH REPORTING PERSON 77,985\*

SHARED DISPOSITIVE POWER

8 WITH: 0

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9 77,985\*

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

o

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

0.2%

**12** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

OO

\* Includes 76,363 shares issuable upon conversion of 12.50% Convertible Guaranteed Senior Promissory Note hold by the Reporting Person.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

Evnin, Luke

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

United States of America

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

6,781,493\*

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

0

SHARED DISPOSITIVE POWER

WITH: 8

6,781,493\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

6,781,493\*



CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

10

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

14.7%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12

IN

\* These shares are beneficially owned directly as follows: 5,974,867 by BB BioVentures L.P.; 728,641 by MPM BioVentures Parallel Fund, L.P.; and 77,985 by MPM Asset Management Investors 1998 LLC. BAB BioVentures L.P. and BAB BioVentures, N.V. are the direct and indirect general partners of BB BioVentures L.P. MPM BioVentures I L.P. and MPM BioVentures I LLC are the direct and indirect general partners of MPM BioVentures Parallel Fund, L.P. The Reporting person is a manager of BAB BioVentures, N.V., MPM BioVentures I LLC and MPM Asset Management Investors 1998 LLC. The Reporting Person disclaims beneficial ownership of all such shares except to the extent of his proportionate pecuniary interests therein.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

Gadicke, Ansbert

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

United States of America

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

6,781,493\*

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

0

SHARED DISPOSITIVE POWER

WITH: 8

6,781,493\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

6,781,493\*

CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

10

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

14.7%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12

IN

\* These shares are beneficially owned directly as follows: 5,974,867 by BB BioVentures L.P.; 728,641 by MPM BioVentures Parallel Fund, L.P.; and 77,985 by MPM Asset Management Investors 1998 LLC. BAB BioVentures L.P. and BAB BioVentures, N.V. are the direct and indirect general partners of BB BioVentures L.P. MPM BioVentures I L.P. and MPM BioVentures I LLC are the direct and indirect general partners of MPM BioVentures Parallel Fund, L.P. The Reporting person is a manager of BAB BioVentures, N.V., MPM BioVentures I LLC and MPM Asset Management Investors 1998 LLC. The Reporting Person disclaims beneficial ownership of all such shares except to the extent of his proportionate pecuniary interests therein.

CUSIP No. 68812R303

NAME OF REPORTING PERSONS

1

Steinmetz, Michael

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

United States of America

SOLE VOTING POWER

5

NUMBER OF 0

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

6,781,493\*

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

0

SHARED DISPOSITIVE POWER

WITH: 8

6,781,493\*

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

6,781,493\*

CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

10

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

14.7%

TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

12

IN

\* These shares are beneficially owned directly as follows: 5,974,867 by BB BioVentures L.P.; 728,641 by MPM BioVentures Parallel Fund, L.P.; and 77,985 by MPM Asset Management Investors 1998 LLC. BAB BioVentures L.P. and BAB BioVentures, N.V. are the direct and indirect general partners of BB BioVentures L.P. MPM BioVentures I L.P. and MPM BioVentures I LLC are the direct and indirect general partners of MPM BioVentures Parallel Fund, L.P. The Reporting person is a manager of BAB BioVentures, N.V., MPM BioVentures I LLC and MPM Asset Management Investors 1998 LLC. The Reporting Person disclaims beneficial ownership of all such shares except to the extent of his proportionate pecuniary interests therein.

**Item 1.**

(a) Name of Issuer

Oscient Pharmaceuticals Corp.

(b) Address of Issuer's Principal Executive Offices

1000 Winter Street, Suite 2200

Waltham, MA 02451

**Item 2.**

(a) Name of Person Filing

BB BioVentures L.P.

BAB BioVentures L.P.

BAB BioVentures, N.V.

MPM BioVentures Parallel Fund, L.P.

MPM BioVentures I L.P.

MPM BioVentures I LLC

MPM Asset Management Investors 1998 LLC

Evnin, Luke

Gadicke, Ansbert

Steinmetz, Michael

(b) Address of Principal Business Office or, if none, Residence

c/o MPM Asset Management

The John Hancock Tower

200 Clarendon Street, 54<sup>th</sup> Floor

Boston, Massachusetts 02116

(c) Citizenship

All entities were organized in Delaware except BAB BioVentures, N.V., which was organized in the Netherlands Antilles. The individuals are all United States citizens.

(d) Title of Class of Securities

Common Stock

(e) CUSIP Number

68812R303

**Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check whether the person filing is a:**

Not applicable

**Item 4. Ownership**

## (a) Amount Beneficially Owned:

BB BioVentures L.P.	5,974,867(1)
BAB BioVentures L.P.	5,974,867(2)
BAB BioVentures, N.V.	5,974,867(3)
MPM BioVentures Parallel Fund, L.P.	728,641(4)
MPM BioVentures I L.P.	728,641(5)
MPM BioVentures I LLC	728,641(6)
MPM Asset Management Investors 1998 LLC	77,985(7)
Evnin, Luke	6,781,493(8)
Gadicke, Ansbert	6,781,493(8)
Steinmetz, Michael	6,781,493(8)
Percent of Class:	
BB BioVentures L.P.	12.9%
BAB BioVentures L.P.	12.9%
BAB BioVentures, N.V.	12.9%
MPM BioVentures Parallel Fund, L.P.	1.6%
MPM BioVentures I L.P.	1.6%
MPM BioVentures I LLC	0.2%
MPM Asset Management Investors 1998 LLC	0.2%
Evnin, Luke	14.7%
Gadicke, Ansbert	14.7%
Steinmetz, Michael	14.7%

(b) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote

BB BioVentures L.P.	5,974,867(1)
BAB BioVentures L.P.	0
BAB BioVentures, N.V.	0
MPM BioVentures Parallel Fund, L.P.	728,641(4)
MPM BioVentures I L.P.	0
MPM BioVentures I LLC	0
MPM Asset Management Investors 1998 LLC	77,985(7)
Evnin, Luke	0
Gadicke, Ansbert	0
Steinmetz, Michael	0

(ii) Shared power to vote or to direct the vote

BB BioVentures L.P.	0
BAB BioVentures L.P.	5,974,867(2)
BAB BioVentures, N.V.	5,974,867(3)
MPM BioVentures Parallel Fund, L.P.	0
MPM BioVentures I L.P.	728,641(5)
MPM BioVentures I LLC	728,641(6)
MPM Asset Management Investors 1998 LLC	0
Evnin, Luke	6,781,493(8)
Gadicke, Ansbert	6,781,493(8)
Steinmetz, Michael	6,781,493(8)



(iii) Sole power to dispose or to direct the disposition of

BB BioVentures L.P.	5,974,867(1)
BAB BioVentures L.P.	0
BAB BioVentures, N.V.	0
MPM BioVentures Parallel Fund, L.P.	728,641(4)
MPM BioVentures I L.P.	0
MPM BioVentures I LLC	0
MPM Asset Management Investors 1998 LLC	77,985(7)
Evnin, Luke	0
Gadicke, Ansbert	0
Steinmetz, Michael	0

(iv) Shared power to dispose or to direct the disposition of

BB BioVentures L.P.	0
BAB BioVentures L.P.	5,974,867(2)
BAB BioVentures, N.V.	5,974,867(3)
MPM BioVentures Parallel Fund, L.P.	0
MPM BioVentures I L.P.	728,641(5)
MPM BioVentures I LLC	728,641(6)
MPM Asset Management Investors 1998 LLC	0
Evnin, Luke	6,781,493(8)
Gadicke, Ansbert	6,781,493(8)
Steinmetz, Michael	6,781,493(8)

(1) Includes  
 5,973,636  
 shares issuable  
 upon conversion  
 of 12.50%  
 Convertible  
 Guaranteed  
 Senior  
 Promissory  
 Note hold by  
 BB BioVentures  
 L.P.

(2) These shares are  
 beneficially  
 owned directly  
 by BB  
 BioVentures  
 L.P. BAB  
 BioVentures  
 L.P. is the direct  
 general partner  
 of BB  
 BioVentures

L.P.

- (3) These shares are beneficially owned directly by BB BioVentures L.P. BAB BioVentures, N.V. is the indirect general partner of BB BioVentures L.P.
- (4) Includes 727,272 shares issuable upon conversion of 12.50% Convertible Guaranteed Senior Promissory Note hold by MPM BioVentures Parallel Fund, L.P.
- (5) These shares are beneficially owned directly by MPM BioVentures Parallel Fund, L.P. MPM BioVentures I L.P. is the direct general partner of MPM BioVentures Parallel Fund, L.P.
- (6) These shares are beneficially owned directly by MPM BioVentures Parallel Fund,

L.P. MPM  
BioVentures I  
LLC is the  
indirect general  
partner of MPM  
BioVentures  
Parallel Fund,  
L.P.

- (7) Includes 76,363  
shares issuable  
upon conversion  
of 12.50%  
Convertible  
Guaranteed  
Senior  
Promissory  
Note hold by  
MPM Asset  
Management  
Investors 1998  
LLC.
- (8) These shares are  
beneficially  
owned directly  
as follows:  
5,974,867 by  
BB BioVentures  
L.P.; 728,641 by  
MPM  
BioVentures  
Parallel Fund.  
L.P.; and 77,985  
by MPM Asset  
Management  
Investors 1998  
LLC. BAB  
BioVentures  
L.P. and BAB  
BioVentures,  
N.V. are the  
direct and  
indirect general  
partners of BB  
BioVentures  
L.P. MPM  
BioVentures I  
L.P. and MPM  
BioVentures I  
LLC are the

direct and  
indirect general  
partners of  
MPM  
BioVentures  
Parallel Fund,  
L.P.  
Messrs. Evin,  
Gadicke and  
Steinmetz are  
managers of  
BAB  
BioVentures,  
N.V., MPM  
BioVentures I  
LLC and MPM  
Asset  
Management  
Investors 1998  
LLC. Each of  
these reporting  
persons  
disclaims  
beneficial  
ownership of all  
such shares  
except to the  
extent of his  
proportionate  
pecuniary  
interests therein.

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

**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 or Control Person.**

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Not Applicable

**Item 8. Identification and Classification of Members of the Group**

Not Applicable

**Item 9. Notice of Dissolution of a Group**

Not Applicable

**Item 10. Certification**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above 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.

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**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.

Dated: May 29, 2009

**BB BioVentures L.P.**

By: BAB BioVentures, L.P.,  
its General Partner

By: BAB BioVentures N.V.,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**BAB BioVentures, N.V.**

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**MPM BioVentures I L.P.**

By: MPM BioVentures I LLC,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**BAB BioVentures L.P.**

By: BAB BioVentures, N.V.,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**MPM BioVentures Parallel Fund L.P.**

By: MPM BioVentures I L.P.,  
its General Partner

By: MPM BioVentures I LLC,  
its General Partner

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Manager

**MPM BioVentures I LLC**

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**MPM Asset Management Investors 1998 LLC**

By: /s/ Luke Evin  
Name: Luke Evin  
Title: Manager

/s/ Luke Evin  
**Luke Evin**

/s/ Ansbert Gadicke  
**Ansbert Gadicke**

/s/ Michael Steinmetz  
**Michael Steinmetz**

**EXHIBITS**

A: Joint Filing Agreement

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**EXHIBIT A**

**JOINT FILING AGREEMENT**

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of Oscient Pharmaceuticals Corp., Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 29<sup>th</sup> day of May, 2009.

**BB BioVentures L.P.**

By: BAB BioVentures, L.P.,  
its General Partner

By: BAB BioVentures N.V.,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**BAB BioVentures L.P.**

By: BAB BioVentures, N.V.,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**BAB BioVentures, N.V.**

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**MPM BioVentures Parallel Fund L.P.**

By: MPM BioVentures I L.P.,  
its General Partner

By: MPM BioVentures I LLC,  
its General Partner

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

**MPM BioVentures I L.P.**

By: MPM BioVentures I LLC,  
its General Partner

**MPM BioVentures I LLC**

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

By: /s/ Luke Evnin

Name: Luke Evnin  
Title: Manager

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**MPM Asset Management Investors 1998 LLC**

By: /s/ Luke Evnin  
Name: Luke Evnin  
Title: Manager

/s/ Luke Evnin  
**Luke Evnin**

/s/ Ansbert Gadicke  
**Ansbert Gadicke**

/s/ Michael Steinmetz  
**Michael Steinmetz**