

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS
THERE TO FILED PURSUANT TO 13d-2 (b)
(Amendment No.)*

Cadence Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

12738T100

(CUSIP Number)

December 31, 2008

(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 disclosures provided in a prior cover page.

The information required on 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. 12738T100

1. Names of Reporting Persons.
Versant Affiliates Fund II-A, L.P.

2. Check the Appropriate Box if a Member of a Group*

- (a)
(b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
Delaware, United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
61,124 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
61,124 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
61,124 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
0.16% (3)

12. Type of Reporting Person*
PN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) VV II serves as the sole general partner of VAF II-A and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A; however, they disclaim beneficial ownership of the shares held by VAF II-A except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

2

CUSIP No. 12738T100

1. Names of Reporting Persons.
Versant Side Fund II, L.P.

2. Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
Delaware, United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
28,787 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
28,787 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
28,787 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
0.08% (3)

12. Type of Reporting Person*
PN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) VV II serves as the sole general partner of VSF II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VSF II; however, they disclaim beneficial ownership of the shares held by VSF II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

3

CUSIP No. 12738T100

1. Names of Reporting Persons.
Versant Venture Capital II, L.P.

2. Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
Delaware, United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,220,948 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,220,948 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,220,948 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
8.40% (3)

12. Type of Reporting Person*
PN

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) VV II serves as the sole general partner of VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VVC II; however, they disclaim beneficial ownership of the shares held by VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.
- (3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

4

CUSIP No. 12738T100

1. Names of Reporting Persons
Versant Ventures II, LLC

2. Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
Delaware, United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
OO

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Camille D. Samuels (“CDS”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.
- (2) Includes (i) 61,124 shares held by VAF II-A; (ii) 28,787 shares held by VSF II; (iii) 3,220,948 shares held by VVC II; and (iv) options to acquire 50,000 shares of Common Stock held directly by BGA for the benefit of VV II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.
- (3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer’s most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
Brian G. Atwood

2. Check the Appropriate Box if a Member of a Group*

(a) o

(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of Shares Beneficially Owned by Each Reporting Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder

("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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- (3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
Samuel D. Colella

2. Check the Appropriate Box if a Member of a Group*

(a) o

(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of Shares Beneficially Owned by Each Reporting Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) Includes (i) 61,124 shares held by VAF II-A; (ii) 28,787 shares held by VSF II; (iii) 3,220,948 shares held by VVC II; and (iv) options to acquire 50,000 shares of Common Stock held directly by BGA for the benefit of VV II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
Ross A. Jaffe

2. Check the Appropriate Box if a Member of a Group*

(a) o
(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of Shares Beneficially Owned by Each Reporting Person With
6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL") and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
William J. Link

2. Check the Appropriate Box if a Member of a Group*

(a) o
(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
Donald B. Milder

2. Check the Appropriate Box if a Member of a Group*

(a) o

(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of Shares Beneficially Owned by Each Reporting Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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CUSIP No. 12738T100

1. Names of Reporting Persons
Rebecca B. Robertson

2. Check the Appropriate Box if a Member of a Group*

(a) o
(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of Shares Beneficially Owned by Each Reporting Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL") and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) Includes (i) 61,124 shares held by VAF II-A; (ii) 28,787 shares held by VSF II; (iii) 3,220,948 shares held by VVC II; and (iv) options to acquire 50,000 shares of Common Stock held directly by BGA for the benefit of VV II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008.

(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

CUSIP No. 12738T100

1. Names of Reporting Persons
Camille D. Samuels

2. Check the Appropriate Box if a Member of a Group*

(a) o

(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

1. Names of Reporting Persons
Bradley J. Bolzon

2. Check the Appropriate Box if a Member of a Group*

(a) 0

(b) x (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* 0

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

1. Names of Reporting Persons
Charles M. Warden

2. Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

1. Names of Reporting Persons
Barbara N. Lubash

2. Check the Appropriate Box if a Member of a Group*

- (a)
- (b) (1)

3. SEC Use Only

4. Citizenship or Place of Organization
United States of America

5. Sole Voting Power
0 shares

6. Shared Voting Power
3,360,859 shares of Common Stock (2)

7. Sole Dispositive Power
0 shares

8. Shared Dispositive Power
3,360,859 shares of Common Stock (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person
3,360,859 shares of Common Stock (2)

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares*

11. Percent of Class Represented by Amount in Row (9)
8.76% (3)

12. Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Camille D. Samuels ("CDS"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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(3) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

Introductory Note: This Statement on Schedule 13G is filed on behalf of the Reporting Persons, in respect of shares of Common Stock, par value \$0.001 per share ("Common Stock"), of Cadence Pharmaceuticals, Inc. (the "Issuer").

Item 1

(a) Name of Issuer:
Cadence Pharmaceuticals, Inc.

Address of Issuer's Principal Executive Offices:

Item 2

- (a) Name of Person(s) Filing:
Versant Affiliates Fund II-A, L.P. (“VAF II-A”)
Versant Side Fund II, L.P. (“VSF II”)
Versant Venture Capital II, L.P. (“VVC II”)
Versant Ventures II, LLC (“VV II”)
Brian G. Atwood (“BGA”)
Samuel D. Colella (“SDC”)
Ross A. Jaffe (“RAJ”)
William J. Link (“WJL”)
Donald B. Milder (“DBM”)
Rebecca B. Robertson (“RBR”)
Camille D. Samuels (“CDS”)
Bradley J. Bolzon (“BJB”)
Charles M. Warden (“CMW”)
Barbara N. Lubash (“BNL”)

- (b) Address of Principal Business Office:
c/o Versant Ventures
3000 Sand Hill Road
Building 4, Suite 210
Menlo Park, California 94025

- (b) Citizenship:

Entities:	VAF II-A	-	Delaware, United States of America
	VSF II	-	Delaware, United States of America
	VVC II	-	Delaware, United States of America
	VV II	-	Delaware, United States of America
Individuals:	BGA	-	United States of America
	SDC	-	United States of America
	RAJ	-	United States of America
	WJL	-	United States of America
	DBM	-	United States of America
	RBR	-	United States of America
	CDS	-	United States of America
	BJB	-	United States of America
	CMW	-	United States of America
	BNL	-	United States of America

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- (d) Title of Class of Securities:
Common Stock

- (e) CUSIP Number:
12738T100

Item 3

Not applicable.

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Item 4 Ownership.

The following information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2008:

Reporting Persons	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (2)
VAF II-A	61,124	0	61,124	0	61,124	61,124	0.16%
VSF II	28,787	0	28,787	0	28,787	28,787	0.08%
VVC II	3,220,948	0	3,220,948	0	3,220,948	3,220,948	8.40%
VV II	0	0	3,360,859	0	3,360,859	3,360,859	8.76%

BGA	50,000	0	3,360,859	0	3,360,859	3,360,859	8.76%
SDC	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
RAJ	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
WJL	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
DBM	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
RBR	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
CDS	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
BJB	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
CMW	0	0	3,360,859	0	3,360,859	3,360,859	8.76%
BNL	0	0	3,360,859	0	3,360,859	3,360,859	8.76%

- (1) VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, CDS, BJB, CMW and BNL are directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein.
- (2) This percentage is calculated based upon 38,362,735 shares of Common Stock outstanding as of October 31, 2008, as set forth in the Issuer's most recent Form 10-Q filed with the Securities and Exchange Commission on November 7, 2008.

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 persons have 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.

Not applicable.

Item 8 Identification and Classification of Members of the Group.

Not applicable.

Item 9 Notice of Dissolution of Group.

Not applicable.

Item 10 Certification.

Not applicable.

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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: February 12, 2009

Versant Affiliates Fund II-A, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Side Fund II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger

Authorized Representative

Versant Venture Capital II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger

Authorized Representative

Versant Ventures II, LLC

By: /s/ Robin L. Praeger

Authorized Signer

/s/ Robin L. Praeger as attorney in fact

Brian G. Atwood

/s/ Robin L. Praeger as attorney in fact

Samuel D. Colella

/s/ Robin L. Praeger as attorney in fact

Ross A. Jaffe

/s/ Robin L. Praeger as attorney in fact

William J. Link

/s/ Robin L. Praeger as attorney in fact

Donald B. Milder

/s/ Robin L. Praeger as attorney in fact

Rebecca B. Robertson

/s/ Robin L. Praeger as attorney in fact

Camille D. Samuels

/s/ Robin L. Praeger as attorney in fact

Bradley J. Bolzon

/s/ Robin L. Praeger as attorney in fact

Charles M. Warden

/s/ Robin L. Praeger as attorney in fact

Barbara N. Lubash

Exhibit(s):

A - Joint Filing Statement

EXHIBIT A
JOINT FILING STATEMENT

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Cadence Pharmaceuticals, Inc. is filed on behalf of each of us.

Dated: February 12, 2009

Versant Affiliates Fund II-A, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Side Fund II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Venture Capital II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Ventures II, LLC

By: /s/ Robin L. Praeger
Authorized Signer

/s/ Robin L. Praeger as attorney in fact
Brian G. Atwood

/s/ Robin L. Praeger as attorney in fact
Samuel D. Colella

/s/ Robin L. Praeger as attorney in fact
Ross A. Jaffe

/s/ Robin L. Praeger as attorney in fact
William J. Link

/s/ Robin L. Praeger as attorney in fact
Donald B. Milder

/s/ Robin L. Praeger as attorney in fact
Rebecca B. Robertson

/s/ Robin L. Praeger as attorney in fact
Camille D. Samuels

/s/ Robin L. Praeger as attorney in fact
Bradley J. Bolzon

/s/ Robin L. Praeger as attorney in fact
Charles M. Warden

/s/ Robin L. Praeger as attorney in fact
Barbara N. Lubash