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

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**SCHEDULE 13D**

**Under the Securities Exchange Act of 1934  
(Amendment No.    )\***

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**ATYR PHARMA, INC.**  
(Name of Issuer)

**Common Stock, \$0.001 par value**  
(Title of Class of Securities)

**002120103**  
(CUSIP Number)

**Polaris Partners**  
1000 Winter Street, Suite 3350  
Waltham, MA 02451

**Gunderson Dettmer Stough Villeneuve  
Franklin & Hachigian, LLP**  
One Marina Park Drive, Suite 900  
Boston, MA 02210  
Attn: Jay K. Hachigian, Esq.  
(617) 648-9100

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

**May 6, 2015**  
(Date of Event which Requires Filing of this Statement)

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If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box:

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**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

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\* 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).

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1.	Names of Reporting Persons. Polaris Venture Partners V, L.P. ("PVP V")
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  WC
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization  Delaware
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  1,763,894 shares , except that (i) Polaris Venture Management Co. V, L.L.C. ("PVM V"), the general partner of PVP V, may be deemed to have sole power to vote these shares, and (ii) Jonathan A. Flint ("Flint"), a managing member of PVM V, may be deemed to have shared power to vote these shares, Terrance G. McGuire ("McGuire"), a managing member of PVM V, may be deemed to have shared power to vote these shares and Amir Nashat ("Nashat"), a holder of an assignee interest in PVM V, may be deemed to have shared power to vote these shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  1,763,894 shares, except that (i) PVM V, the general partner of PVP V, may be deemed to have sole power to dispose of these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to dispose of these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to dispose of these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of these shares.
	10. Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,763,894 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  7.8%
14.	Type of Reporting Person (See Instructions)  PN

1.	Names of Reporting Persons.  Polaris Venture Partners Entrepreneurs' Fund V, L.P. ("PVPE V")
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  WC
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization  Delaware
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  34,378 shares, except that (i) PVM V, the general partner of PVPE V, may be deemed to have sole power to vote these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to vote these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to vote these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote these shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  34,378 shares, except that (i) PVM V, the general partner of PVPE V, may be deemed to have sole power to dispose of these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to dispose of these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to dispose of these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of these shares.
	10. Shared Dispositive Power  See response to Row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  34,378 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  0.2%
14.	Type of Reporting Person (See Instructions)  PN

1.	Names of Reporting Persons. Polaris Venture Partners Founders' Fund V, L.P. ("PVPFF V")
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  WC
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization  Delaware
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  12,082 shares, except that (i) PVM V, the general partner of PVPFF V, may be deemed to have sole power to vote these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to vote these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to vote these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote these shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  12,082 shares, except that (i) PVM V, the general partner of PVPFF V, may be deemed to have sole power to dispose of these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to dispose of these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to dispose of these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of these shares.
	10. Shared Dispositive Power  See response to Row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  12,082 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  0.1%
14.	Type of Reporting Person (See Instructions)  PN

1.	Names of Reporting Persons. Polaris Venture Partners Special Founders' Fund V, L.P. ("PVPSFF V")
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  WC
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization  Delaware
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  17,638 shares, except that (i) PVM V, the general partner of PVPSFF V, may be deemed to have sole power to vote these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to vote these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to vote these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote these shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  17,638 shares, except that (i) PVM V, the general partner of PVPSFF V, may be deemed to have sole power to dispose of these shares, and (ii) Flint, a managing member of PVM V, may be deemed to have shared power to dispose of these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to dispose of these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of these shares.
	10. Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  17,638 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  0.1%
14.	Type of Reporting Person (See Instructions)  PN

1.	Names of Reporting Persons. Polaris Venture Management Co. V, L.L.C. ("PVM V")
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions) AF
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization Delaware
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  1,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that Flint, a managing member of PVM V (which is general partner of PVP V, PVPE V, PVPFF V and PVPSFF V), may be deemed to have shared power to vote these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to vote these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote these shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  1,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that Flint, a managing member of PVM V (which is general partner of PVP V, PVPE V, PVPFF V and PVPSFF V), may be deemed to have shared power to dispose of these shares, McGuire, a managing member of PVM V, may be deemed to have shared power to dispose of these shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of these shares.
	10. Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,827,992 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  8.1%
14.	Type of Reporting Person (See Instructions) OO

1.	Names of Reporting Persons. Jonathan A. Flint
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions) AF
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization USA
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  21,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to vote PVP V's, PVPE V's, PVPFF V's and PVPSFF V's shares (collectively, the "Fund V Shares"), McGuire, as a managing member of PVM V, may be deemed to have shared power to vote the Fund V Shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote the Fund V Shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  1,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to dispose of the Fund V Shares, McGuire, as a managing member of PVM V, may be deemed to have shared power to dispose of the Fund V Shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of the Fund V Shares.
	10. Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person 1,827,992 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11) 8.1%
14.	Type of Reporting Person (See Instructions) IN

1.	Names of Reporting Persons. Terrance G. McGuire
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3.	SEC Use Only
4.	Source of Funds (See Instructions) AF
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>
6.	Citizenship or Place of Organization USA
Number of Shares Beneficially Owned by Each Reporting Person With	7. Sole Voting Power  1,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to vote the Fund V Shares, Flint, as a managing member of PVM V, may be deemed to have shared power to vote the Fund V Shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to vote the Fund V Shares.
	8. Shared Voting Power  See response to row 7.
	9. Sole Dispositive Power  1,827,992 shares, of which 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to dispose of the Fund V Shares, Flint, as a managing member of PVM V, may be deemed to have shared power to dispose of the Fund V Shares and Nashat, a holder of an assignee interest in PVM V, may be deemed to have shared power to dispose of the Fund V Shares.
	10. Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,827,992 shares
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  8.1%
14.	Type of Reporting Person (See Instructions) IN

1.	Names of Reporting Persons. Amir Nashat	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC Use Only	
4.	Source of Funds (See Instructions) AF	
5.	Check if Disclosure of Legal Proceedings is Required Pursuant to Items 2(d) or 2(e)  <input type="checkbox"/>	
6.	Citizenship or Place of Organization USA	
Number of Shares Beneficially Owned by Each Reporting Person With	7.	Sole Voting Power  1,840,564 shares, of which 12,572 shares are directly owned by Nashat, 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to vote the Fund V Shares, Flint, as a managing member of PVM V, may be deemed to have shared power to vote of the Fund V Shares and McGuire, as a managing member of PVM V, may be deemed to have shared power to vote of the Fund V Shares.
	8.	Shared Voting Power  See response to row 7.
	9.	Sole Dispositive Power  1,840,564 shares, of which 12,572 shares are directly owned by Nashat, 1,763,894 shares are directly owned by PVP V, 34,378 shares are directly owned by PVPE V, 12,082 shares are directly owned by PVPFF V and 17,638 shares are directly owned by PVPSFF V, except that PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to have sole power to dispose of the Fund V Shares, Flint, as a managing member of PVM V, may be deemed to have shared power to dispose of the Fund V Shares and McGuire, as a managing member of PVM V, may be deemed to have shared power to dispose of the Fund V Shares.
	10.	Shared Dispositive Power  See response to row 9.
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,840,564 shares	
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)  <input type="checkbox"/>	
13.	Percent of Class Represented by Amount in Row (11)  8.2%	
14.	Type of Reporting Person (See Instructions)  IN	

**SCHEDULE 13D**

Item 1. Security and Issuer.

This statement on Schedule 13D relates to the Common Stock, \$0.001 par value per share (the "Common Stock"), of aTyr Pharma, Inc. (the "Issuer"). The Issuer's principal executive office is located at 3545 John Hopkins Court, Suite #250, San Diego, CA 92121.

Item 2. Identity and Background.

(a) This Schedule 13D is being filed on behalf of each of the following persons pursuant to Rule 13d-1(k) of Regulation D-G under the Securities Exchange Act of 1934, as amended (the "Exchange Act"): PVP V, PVPE V, PVPFF V, PVPSFF V, PVM V, Flint, McGuire and Nashat (collectively, the "Reporting Persons"). The Reporting Persons are making this single, joint filing because they may be deemed to constitute a "group" within the meaning of Section 13(d)(3) of the Exchange Act. The agreement between the Reporting Persons to file as a group (the "Joint Filing Agreement") is attached hereto as Exhibit A.

(b)-(c) The principal business of each of PVP V, PVPE V, PVPFF V and PVPSFF V is that of a private investment partnership. The sole general partner of PVP V, PVPE V, PVPFF V and PVPSFF V is PVM V. The principal business of PVM V is that of a limited liability company acting as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V. Flint and McGuire are the managing members of PVM V, and Amir Nashat ("Nashat") is a member of the Board of Directors of the Issuer and the holder of an assignee interest in PVM V.

The principal business address of each of the entities and individuals named in this Item 2 is c/o Polaris Partners, 1000 Winter Street, Suite 3350, Waltham, Massachusetts, 02451.

(d)-(e) During the last five years, none of the Reporting Persons or individuals named in this Item 2 has (i) been convicted in any criminal proceeding (excluding traffic violations or similar misdemeanors); or (ii) been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction resulting in his being subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

(f) Each of the individuals named in this Item 2 is a citizen of the United States.

Item 3. Source and Amount of Funds or Other Consideration.

On May 6, 2015, the Registration Statement on Form S-1 filed with the Securities and Exchange Commission by the Issuer (File No. 333-203272) in connection with its initial public offering of 5,360,000 shares of Common Stock was declared effective.

In a number of transactions, the Reporting Persons acquired shares of Series B Redeemable Convertible Preferred Stock convertible into 452,596 shares of Common Stock, shares of Series B-2 Redeemable Convertible Preferred Stock convertible into 543,135 shares of Common Stock, shares of Series C Redeemable Convertible Preferred Stock convertible into 548,356 shares of Common Stock, shares of Series D Redeemable Convertible Preferred Stock convertible into 191,600 shares of Common Stock and shares of Series E Redeemable Convertible Preferred Stock convertible into 92,305 shares of Common Stock, all for an aggregate purchase price of \$30,248,894 (collectively, the "Pre-IPO shares"). The Pre-IPO shares converted into Common Stock, respectively, upon the closing of the offering.

The Reporting Persons obtained the amounts required for all purchasers of Pre-IPO shares from their working capital.

Item 4. Purpose of Transaction.

Nashat, a director of the Issuer and by virtue of his membership in PVM V, may be deemed to hold certain voting powers with respect to the reportable securities owned by PVP V, PVPE V, PVPFF V and PVPSFF V. Except as otherwise described in this statement, the Reporting Persons do not have any present plans or proposals that relate to or would result in: (i) the acquisition by any person of additional securities of the Issuer, or the disposition of securities of the Issuer; (ii) an extraordinary corporate transaction, such as a merger, reorganization or liquidation, involving the Issuer or any of its subsidiaries; (iii) a sale or transfer of a material amount of assets of the Issuer or any of its subsidiaries; (iv) any change in the present board of directors or management of the Issuer, including any plans or proposals to change the number or term of directors or to fill any existing vacancies on the board; (v) any material change in the present capitalization or dividend policy of the Issuer; (vi) any other material change in the Issuer's business or corporate structure; (vii) changes in the Issuer's charter, by-laws or instruments corresponding thereto or other actions which may impede the acquisition of control of the Issuer by any person; (viii) causing a class of securities of the Issuer to be de-listed from a national securities exchange or to cease to be authorized to be quoted in an inter-dealer quotation system of a registered national securities association; (ix) a class of equity securities of the Issuer becoming eligible for termination of registration pursuant to Section 12(g)(4) of the Exchange Act; or (x) any action similar to any of those enumerated above.

Item 5. Interest in Securities of the Issuer.

The information below is based on a total of 22,549,739 shares of Common Stock outstanding immediately after the offering as reported on the Issuer's prospectus filed with the SEC on May 7, 2015.

(a) PVP V directly beneficially owns 1,763,894 shares of Common Stock, or approximately 7.8% of the Common Stock outstanding. PVPE V directly beneficially owns 34,378 shares of Common Stock, or approximately 0.2% of the Common Stock outstanding. PVPFF V directly beneficially owns 12,082 shares of Common Stock, or approximately 0.1% of the Common Stock outstanding. PVPSFF V directly beneficially owns 17,638 shares of Common Stock, or approximately 0.1% of the Common Stock outstanding. PVM V, as the general partner of PVP V, PVPE V, PVPFF V and PVPSFF V, may be deemed to indirectly beneficially own the securities owned by PVP V, PVPE V, PVPFF V and PVPSFF V. Nashat directly owns 12,572 shares of Common Stock, or approximately 0.1% of the Common Stock outstanding.

(b) The managing members of PVM V and Nashat may be deemed to share the power to vote or direct the voting of and to dispose or direct the disposition of the securities of the Issuer that are beneficially owned by PVP V, PVPE V, PVPFF V and PVPSFF V. Each such person disclaims beneficial ownership of all securities other than those he or she owns directly, if any, or by virtue of his or her indirect pro rata interest, as a member of PVM V, in the securities owned by PVP V, PVPE V, PVPFF V and PVPSFF V. PVM V may be deemed to have sole power to vote or direct the voting of and to dispose or direct the disposition of the securities of the Issuer that are beneficially owned by PVP V, PVPE V, PVPFF V and PVPSFF V.

(c) Except as described in this statement, none of the Reporting Persons has effected any transactions in the Common Stock in the 60 days prior to the date of this statement.

(d) Except as described in this statement, no person has the power to direct the receipt of dividends on or the proceeds of sales of, the shares of Common Stock owned by the Reporting Persons.

(e) Not applicable.

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Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

Each of PVP V, PVPE V, PVPFF V and PVPSFF V and certain other investors are party to a Lock-Up Agreement (the "Lock-Up Agreement") entered into with J.P. Morgan Securities LLC and Citigroup Global Markets Inc. in connection with the Offering, the Reporting Persons are subject to a Restricted Period (as defined in the Lock-Up Agreement) commencing on the date of the Prospectus and ending 180 days after the date of the Prospectus, during which the Reporting Persons have agreed, subject to limited exceptions, not to offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend or otherwise transfer or dispose of, directly or indirectly, any shares of Common Stock or any securities convertible into or exercisable or exchangeable for Common Stock or enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of Common Stock. The Lock-Up Agreement is more fully described in the Prospectus, and the form of Lock-Up Agreement is incorporated herein by reference to Exhibit D to the Underwriting Agreement filed on May 1, 2015 as Exhibit 1.1 to Amendment No. 2 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272).

Each of PVP V, PVPE V, PVPFF V and PVPSFF V and certain other investors are party to that certain Registration and Voting Rights Agreement among the Issuer, the Reporting Persons and other shareholders. Subject to the terms of such Registration and Voting Rights Agreement, holders of Common Stock having registration rights can demand that the Issuer file a registration statement or request that their shares be covered by a registration statement that the Issuer is otherwise filing. Such Registration and Voting Rights Agreement dated as of March 31, 2015 described in Item 6, was filed on April 27, 2015 as Exhibit 10.11 to Amendment No. 1 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272), and is incorporated herein by reference.

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CUSIP No. 002120103

The Issuer has entered into an indemnification agreement with each of its directors and executive officers, including Nashat. The indemnification agreement, among other things, require the Issuer or will require the Issuer to indemnify Nashat (and in certain cases each of PVP V, PVPE V, PVPFF V and PVPSFF V) to the fullest extent permitted by Delaware law, including indemnification of expenses such as attorneys' fees, judgments, fines and settlement amounts incurred by Nashat in any action or proceeding, including any action or proceeding by or in right of the Issuer, arising out of his services as a director. The form of Indemnification Agreement for the Issuer's directors and officers is attached as Exhibit 10.12 to Amendment No. 1 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272), and is incorporated herein by reference.

Item 7. Material to be Filed as Exhibits.

<u>Exhibit</u>	<u>Description</u>
A	Agreement Regarding the Joint Filing of Schedule 13D.
B	Form of Lock-Up Agreement entered into by and among the Issuer, the underwriters and certain others, and is incorporated herein by reference to Exhibit D to the Underwriting Agreement filed on May 1, 2015 as Exhibit 1.1 to Amendment No. 2 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272).
C	Form of Registration and Voting Rights Agreement described in Item 6, filed on April 27, 2015 as Exhibit 10.11 to Amendment No. 1 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272), and incorporated herein by reference.
D	Form of Indemnification Agreement for board members and senior management, filed on April 27, 2015 as Exhibit 10.12 to Amendment No. 1 to the Issuer's Registration Statement on Form S-1 (File No. 333-203272), and incorporated herein by reference.

**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: May 22, 2015

POLARIS VENTURE PARTNERS V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS  
ENTREPRENEURS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS  
FOUNDERS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS  
SPECIAL FOUNDERS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE MANAGEMENT CO.  
V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

JONATHAN A. FLINT

By: /s/ Jonathan A. Flint

Jonathan A. Flint

TERRANCE G. MCGUIRE

By: /s/ Terrance G. McGuire

Terrance G. McGuire

AMIR NASHAT

By: /s/ Amir Nashat

Amir Nashat

\*By: /s/ John Gannon

Name: John Gannon

Attorney-in-Fact

[This Schedule 13D was executed pursuant to a Power of Attorney. Note that copies of the applicable Powers of Attorney are already on file with the appropriate agencies.]

**Exhibit A**

AGREEMENT REGARDING THE JOINT FILING OF  
SCHEDULE 13D

The undersigned, being duly authorized thereunto, hereby execute this agreement as an exhibit to this Schedule 13D to evidence the agreement of the below-named parties, in accordance with the rules promulgated pursuant to the Securities Exchange Act of 1934, to file this Schedule jointly on behalf of each such party.

Date: May 22, 2015

POLARIS VENTURE PARTNERS V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS ENTREPRENEURS' FUND  
V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS  
FOUNDERS' FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE PARTNERS SPECIAL FOUNDERS'  
FUND V, L.P.

By: Polaris Venture Management Co. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

POLARIS VENTURE MANAGEMENT CO. V, L.L.C.

By: \* \_\_\_\_\_  
Authorized Signatory

JONATHAN A. FLINT

By: /s/ Jonathan A. Flint  
Jonathan A. Flint

TERRANCE G. MCGUIRE

By: /s/ Terrance G. McGuire  
Terrance G. McGuire

AMIR NASHAT

By: /s/ Amir Nashat  
Amir Nashat

\*By: /s/ John Gannon  
Name: John Gannon  
Attorney-in-Fact

[This Schedule 13D was executed pursuant to a Power of Attorney. Note that copies of the applicable Powers of Attorney are already on file with the appropriate agencies.]