UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Bellerophon Therapeutics, Inc.

(Name of Issuer)

Common Stock, \$0.01 par value

(Title of Class of Securities)

078771102

(CUSIP Number)

December 31, 2016

(Date of Event Which Requires Filing of this Statement)

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

- o Rule 13d-1(b)
- o Rule 13d-1(c)
- x 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. 078771102

1.	Name of Reporting Persons Venrock Associates IV, L.P.		
2.	Check the App	ropriate Box if a Member of a Group (See Instructions)	
	(a)	x(1)	
	(b)	0	
3.	SEC Use Only		
4.	4. Citizenship or Place of Organization Delaware		
	5.	Sole Voting Power 0	
Number of Shares Beneficially	6.	Shared Voting Power 962,415(2)	
Owned by Each Reporting Person With:	7.	Sole Dispositive Power 0	
	8.	Shared Dispositive Power 962,415(2)	

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 962,415(2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o
- Percent of Class Represented by Amount in Row (9) 3.0%(3)
- 12. Type of Reporting Person (See Instructions) PN
- (1) Venrock Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
- (2) Consists of 783,407 shares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock owned by VEF4.
- (3) This percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth in the Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.

		2	
CUSIP No. 0	78771102		
1.	Name of Reporting Persons Venrock Partners, L.P.		
2.	Check the App	propriate Box if a Member of a Group (See Instructions)	
	(a)	x(1)	
	(b)	0	
3.	SEC Use Only	,	
4.	Citizenship or Delaware	Place of Organization	
	5.	Sole Voting Power 0	
Number of Shares Beneficially	6.	Shared Voting Power 962,415(2)	
Owned by Each Reporting Person With:	7.	Sole Dispositive Power 0	
	8.	Shared Dispositive Power 962,415(2)	
9.	Aggregate Am 962,415(2)	ount Beneficially Owned by Each Reporting Person	
10.	Check if the A	ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o	

11. Percent of Class Represented by Amount in Row (9) 3.0%(3)

- (1) Venrock Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
- (2) Consists of 783,407 shares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock owned by VEF4.
- (3) This percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth in the Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.

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CUSIP No. 078771102

1. Name of Reporting Persons Venrock Entrepreneurs Fund IV, L.P.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a) <u>x(1)</u> (b) o

3. SEC Use Only

4. Citizenship or Place of Organization Delaware

5.	Sole Voting Power 0
6.	Shared Voting Power 962,415(2)
7.	Sole Dispositive Power 0
	6.

Aggregate Amount Beneficially Owned by Each Reporting Person

962,415(2)

Shared Dispositive Power

962,415(2)

8.

9.

- 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) 3.0%(3)
- 12. Type of Reporting Person (See Instructions) PN

⁽¹⁾ Venrock Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 783,407 shares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock

owned by VEF4.

(3)	This percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth
	in the Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.

CUSIP No. 078771102

Name of Reporting Persons Venrock Management IV, LLC			
Check the Appropriate Box if a Member of a Group (See Instructions)			
x(1)			
) 0			
C Use Only			
Citizenship or Place of Organization Delaware			
5.	Sole Voting Power 0		
6.	Shared Voting Power 962,415(2)		
7.	Sole Dispositive Power 0		
8.	Shared Dispositive Power 962,415(2)		
ggregate Amount Be 2,415(2)	neficially Owned by Each Reporting Person		
Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
Percent of Class Represented by Amount in Row (9) 3.0%(3)			
pe of Reporting Per)	son (See Instructions)		
	x(1) o C Use Only izenship or Place of laware 5. 6. 7. 8. gregate Amount Begeneration 2,415(2) eck if the Aggregate cent of Class Represent/%(3) be of Reporting Per		

- (1) Venrock Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC (the general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of VEF4) are members of a group for purposes of this Schedule 13G/A.
- (2) Consists of 783,407 shares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock owned by VEF4.
- (3) This percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth in the Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.

1.	Name of Reporting Persons Venrock Partners Management, LLC				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)				
	(a)	x(1)			
	(b)	0			
3.	SEC Use Only				
4.	4. Citizenship or Place of Organization Delaware				
	5.	Sole Voting Power 0			
Number of Shares Beneficially	6.	Shared Voting Power 962,415(2)			
Owned by Each Reporting Person With:	7.	Sole Dispositive Power 0			
	8.	Shared Dispositive Power 962,415(2)			
9.	Aggregate Am 962,415(2)	ount Beneficially Owned by Each Reporting Person			
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o		ggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Clas 3.0%(3)	ss Represented by Amount in Row (9)			
12.	Type of Report OO	ting Person (See Instructions)			
(the get VEF4)	ck Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC eneral partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of a group for purposes of this Schedule 13G/A.				
	ts of 783,407 sha by VEF4.	ares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock			
	s percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth he Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.				
		6			
CUSIP No. ()78771102				
1.	Name of Report VEF Managem				
2.	Check the App (a)	ropriate Box if a Member of a Group (See Instructions) x(1)			

		(b)	0	
3		SEC Use Only	у	
4	4. Citizenship or Place of Organization Delaware			
Number of Shares Beneficially Owned by Each Reporting Person With:		5.	Sole Voting Power 0	
		6.	Shared Voting Power 962,415(2)	
		7.	Sole Dispositive Power 0	
		8.	Shared Dispositive Power 962,415(2)	
 9. Aggregate Amount Beneficially Owned by Each Reporting Person 962,415(2) 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) 3.0%(3) 				
		Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o		
1	2.	Type of Reporting Person (See Instructions) OO		
(the ger	rock Associates IV, L.P. ("VA4"), Venrock Partners, L.P. ("VP"), Venrock Entrepreneurs Fund IV, L.P. ("VEF4"), Venrock Management IV, LLC general partner of VA4), Venrock Partners Management, LLC (the general partner of VP) and VEF Management IV, LLC (the general partner of F4) are members of a group for purposes of this Schedule 13G/A.		
		isists of 783,407 shares of common stock owned by VA4, 159,761 shares of common stock owned by VP and 19,247 shares of common stock are by VEF4.		
		is percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth he Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.		
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CUSI	P No. 0	78771102		

Introductory Note: This Statement on Schedule 13G/A is filed on behalf of Venrock Associates IV, L.P., a limited partnership organized under the laws of the State of Delaware ("VA4"), Venrock Partners, L.P., a limited partnership organized under the laws of the State of Delaware ("VP"), Venrock Entrepreneurs Fund IV, L.P., a limited partnership organized under the laws of the State of Delaware ("VEF4"), Venrock Management IV, LLC, a limited liability company organized under the laws of the State of Delaware ("Verrock Management, LLC, a limited liability company organized under the laws of the State of Delaware ("VP Management"), and VEF Management IV, LLC, a limited liability company organized under the laws of the State of Delaware ("VEF Management"), and VEF Management IV, LLC, a limited liability company organized under the laws of the State of Delaware ("VEF Management") and collectively with VA4, VP, VEF4, Venrock Management and VP Management, the "Venrock Entities") in respect of shares of common stock of Bellerophon Therapeutics, Inc.

Item 1.

(a) Name of Issuer

Bellerophon Therapeutics, Inc.

(b) Address of Issuer's Principal Executive Offices

184 Liberty Corner Road, Suite 302 Warren, NJ 07059 (a) Name of Person Filing

Venrock Associates IV, L.P. Venrock Partners, L.P. Venrock Entrepreneurs Fund IV, L.P. Venrock Management IV, LLC Venrock Partners Management, LLC VEF Management IV, LLC

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

New York Office:	Palo Alto Office:	Boston Office:
530 Fifth Avenue	3340 Hillview Avenue	34 Farnsworth Street
22nd Floor	Palo Alto, CA 94304	3rd Floor
New York, NY 10036		Boston, MA 02210

(c) Citizenship

Each of VA4, VP and VEF4 are limited partnerships organized in the State of Delaware. Each of Venrock Management, VP Management and VEF Management are limited liability companies organized in the State of Delaware.

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CUSIP No. 078771102

(d) Title of Class of Securities

Common Stock, \$0.01 par value

(e) CUSIP Number

078771102

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 as of December 31, 2016:

Venrock Associates IV, L.P.	962,415(1)
Venrock Partners, L.P.	962,415(1)
Venrock Entrepreneurs Fund IV, L.P.	962,415(1)
Venrock Management IV, LLC	962,415(1)
Venrock Partners Management, LLC	962,415(1)
VEF Management IV, LLC	962,415(1)

(b) Percent of Class as of December 31, 2016:

Venrock Associates IV, L.P.	3.0%(2)
Venrock Partners, L.P.	3.0%(2)
Venrock Entrepreneurs Fund IV, L.P.	3.0%(2)
Venrock Management IV, LLC	3.0%(2)
Venrock Partners Management, LLC	3.0%(2)
VEF Management IV, LLC	3.0%(2)

(c) Number of shares as to which the person has, as of December 31, 2016:

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

Venrock Associates IV, L.P.	0
Venrock Partners, L.P.	0
Venrock Entrepreneurs Fund IV, L.P.	0
Venrock Management IV, LLC	0
Venrock Partners Management, LLC	0
VEF Management IV, LLC	0

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

Venrock Associates IV, L.P.	962,415(1)
Venrock Partners, L.P.	962,415(1)
Venrock Entrepreneurs Fund IV, L.P.	962,415(1)
Venrock Management IV, LLC	962,415(1)
Venrock Partners Management, LLC	962,415(1)
VEF Management IV, LLC	962,415(1)

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

Venrock Associates IV, L.P.	0
Venrock Partners, L.P.	0
Venrock Entrepreneurs Fund IV, L.P.	0
Venrock Management IV, LLC	0
Venrock Partners Management, LLC	0
VEF Management IV, LLC	0

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

Venrock Associates IV, L.P.	962,415(1)
Venrock Partners, L.P.	962,415(1)
Venrock Entrepreneurs Fund IV, L.P.	962,415(1)
Venrock Management IV, LLC	962,415(1)
Venrock Partners Management, LLC	962,415(1)
VEF Management IV, LLC	962,415(1)

(1) These shares are owned directly as follows: 783,407 shares are owned by VA4, 159,761 shares are owned by VP and 19,247 shares are owned by VEF4.

(2) This percentage is calculated based upon 31,702,624 shares of the Issuer's common stock outstanding after the closing of its public offering as set forth in the Issuer's prospectus filed with the Securities and Exchange Commission on November 23, 2016.

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. x

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

Not Applicable

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CUSIP No. 078771102

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

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

Not Applicable

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 14, 2017

Venrock Associates IV, L.P.

By: Venrock Management IV, LLC

Its: General Partner

By: /s/ David Stepp Authorized Signatory

Venrock Partners, L.P.

- By: Venrock Partners Management, LLC Its: General Partner
- By: /s/ David Stepp Authorized Signatory

Venrock Entrepreneurs Fund IV, L.P.

By: VEF Management IV, LLC

- Its: General Partner
- By: /s/ David Stepp Authorized Signatory

Venrock Management IV, LLC

By: /s/ David Stepp Authorized Signatory

Venrock Partners Management, LLC

By: /s/ David Stepp Authorized Signatory

VEF Management IV, LLC

By: /s/ David Stepp Authorized Signatory

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EXHIBIT

A: Joint Filing Agreement (Incorporated by reference to Exhibit A to Schedule 13G filed on February 16, 2016)