Bellerophon Therapeutics, Inc. Form SC 13G/A February 14, 2019

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

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Bellerophon Therapeutics, Inc.

(Name of Issuer)

Common Stock, \$0.01 par value

(Title of Class of Securities)

078771102

(CUSIP Number)

December 31, 2018

(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)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

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).

^{*}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.

CUSIP No. 078771102

1.

	Venrock Associates IV	, L.P.	
2.	Check the Appropriate (a) (b)	Box if a Member of a G o x(1)	roup (See Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Delaware	Organization	
	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 962,415(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
	8.		Shared Dispositive Power 962,415(2)
9.	Aggregate Amount Ber 962,415(2)	neficially Owned by Eac	ch Reporting Person
10.	Check if the Aggregate	e Amount in Row (9) Exc	cludes Certain Shares (See Instructions) x(3)

- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 1.6%(4)
- 12. Type of Reporting Person (See Instructions) PN

Name of Reporting Persons

- (2) Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.
- (3) The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.
- (4) This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

CUSIP No. 078771102

1.	Name of Reporting Persons Venrock Partners, L.P.		
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See Ir o x(1)	astructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiza Delaware	ation	
	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 962,415(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
	8.		Shared Dispositive Power 962,415(2)
9.	Aggregate Amount Beneficially 962,415(2)	Owned by Each Reporting	Person
10.	Check if the Aggregate Amount	in Row (9) Excludes Certa	in Shares (See Instructions) x(3)
11.	Percent of Class Represented by 1.6%(4)	Amount in Row (9)	
12.	Type of Reporting Person (See PN	Instructions)	

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

- (2) Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.
- (3) The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.
- (4) This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

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) o (b) x(1)
- 3. SEC Use Only
- 4. Citizenship or Place of Organization Delaware

	5.	Sole Voting Power 0
Number of Shares	6.	Shared Voting Power
Beneficially Owned by		962,415(2)
Each Reporting	7.	Sole Dispositive Power 0
Person With:	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) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 1.6%(4)
- 12. Type of Reporting Person (See Instructions) PN

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.

	ε		
2.	Check the Appropriate B (a) (b)	fox if a Member of a Group o $x(1)$	p (See Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of O Delaware	Organization	
Number of	5.		Sole Voting Power 0
Shares Beneficially Owned by	6.		Shared Voting Power 962,415(2)
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) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 1.6%(4)
- 12. Type of Reporting Person (See Instructions)
 OO

Name of Reporting Persons Venrock Management IV, LLC

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

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1.	Name of Reporting Persons Venrock Partners Management, LLC		
2.		ox if a Member of a Group (See	Instructions
2.	(a)	ox if a Member of a Group (See	mstructions)
	(b)	x(1)	
		、	
3.	SEC Use Only		
4.	Citizenship or Place of Or Delaware	ganization	
	5.		Sole Voting Power
Number of			
Shares	6.		Shared Voting Power
Beneficially			962,415(2)
Owned by			
Each	7.		Sole Dispositive Power
Reporting Person With:			0
reison with.	8.		Shared Dispositive Power 962,415(2)
9.	Aggregate Amount Benef 962,415(2)	icially Owned by Each Reporting	ng Person
10.	Check if the Aggregate A	mount in Row (9) Excludes Cer	tain Shares (See Instructions) x(3)
11.	Percent of Class Represented by Amount in Row (9) 1.6%(4)		
12.	Type of Reporting Person	(See Instructions)	

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.

	VEI Management IV, LLC		
2.	Check the Appropriate Box (a) (b)	if a Member of a Group (See o x(1)	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Orga Delaware	anization	
	5.		Sole Voting Power
Number of Shares Beneficially Owned by	6.		Shared Voting Power 962,415(2)
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) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 1.6%(4)
- 12. Type of Reporting Person (See Instructions)
 OO

Name of Reporting Persons VEF Management IV LLC

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 6,423,748 shares of common stock held by the VHCP Entities. The Venrock IV Entities disclaim beneficial ownership over the shares held by the VHCP Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons
	Venrock Healthcare Capital Partners II, L.P.

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

(a) o (b) x(1)

3. SEC Use Only

4. Citizenship or Place of Organization
Delaware

	5.	Sole Voting Power 0
Number of		
Shares	6.	Shared Voting Power
Beneficially		6,423,748(2)
Owned by		
Each	7.	Sole Dispositive Power
Reporting		0
Person With:		
	8.	Shared Dispositive Power
		6,423,748(2)

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748(2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- 12. Type of Reporting Person (See Instructions) PN

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons VHCP Co-Investment Holdings II, LLC		
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See In o $x(1)$	nstructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiza Delaware	ation	
	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 6,423,748(2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
	8.		Shared Dispositive Power 6,423,748(2)
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748(2)		
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)		
11.	Percent of Class Represented by Amount in Row (9) 10.9%(4)		
12.	Type of Reporting Person (See OO	Instructions)	

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.

	6		
2.	Check the Appropriate (a) (b)	Box if a Member of a Group (See Instructions) o x(1)	
3.	SEC Use Only		
4.	Citizenship or Place of Delaware	Organization	
Number of	5.	Sole Voting Po	ower
Shares Beneficially Owned by	6.	Shared Voting 6,423,748 (2)	Power
Each Reporting Person With:	7.	Sole Dispositi 0	ve Power

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748 (2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- 12. Type of Reporting Person (See Instructions)
 OO

8.

Name of Reporting Persons VHCP Management II, LLC

Shared Dispositive Power

6,423,748 (2)

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons
	Venrock Healthcare Capital Partners III, L.P.

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

(a) o (b) x(1)

3. SEC Use Only

4. Citizenship or Place of Organization

Delaware

5. Sole Voting Power 0

Number of

Shares 6. Shared Voting Power Beneficially 6,423,748 (2)
Owned by

Each 7.

7. Sole Dispositive Power

Reporting

Person With:

8. Shared Dispositive Power

6,423,748 (2)

9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748 (2)

- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- 12. Type of Reporting Person (See Instructions) PN

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.

Person With:

2.	Check the Appropriate Box if (a) (b)	o a Member of a Group (See 3)	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organ Delaware	ization	
	5.		Sole Voting Power
Number of			·
Shares Beneficially Owned by	6.		Shared Voting Power 6,423,748 (2)
Each Reporting	7.		Sole Dispositive Power 0

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748 (2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- 12. Type of Reporting Person (See Instructions)

8.

Name of Reporting Persons

VHCP Co-Investment Holdings III, LLC

Shared Dispositive Power

6,423,748 (2)

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons
	VHCP Management III, LLC

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

> (b) x(1)

3. SEC Use Only

4. Citizenship or Place of Organization

Delaware

5. Sole Voting Power

Number of

Shares 6. Shared Voting Power Beneficially 6,423,748 (2)

Owned by

Each 7. Sole Dispositive Power Reporting

Person With:

8. Shared Dispositive Power

6,423,748 (2)

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748 (2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- Type of Reporting Person (See Instructions) 12.

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock (1) Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and (2)206,739 shares held by VHCP Co-3.

The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons Shah, Nimish		
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See In o x(1)	istructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiza United States	ation	
	5.		Sole Voting Power 0
Number of Shares Beneficially Owned by	6.		Shared Voting Power 6,423,748 (2)
Each Reporting Person With:	7.		Sole Dispositive Power 0
reison with	8.		Shared Dispositive Power 6,423,748 (2)
9.	Aggregate Amount Beneficially 6,423,748 (2)	Owned by Each Reporting	Person
10.	Check if the Aggregate Amount	in Row (9) Excludes Certa	in Shares (See Instructions) $x(3)$
11.	Percent of Class Represented by 10.9%(4)	Amount in Row (9)	
12.	Type of Reporting Person (See IN	Instructions)	

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

1.	Name of Reporting Persons
	Koh, Bong

- 2. Check the Appropriate Box if a Member of a Group (See Instructions)
 - (a) o (b) x(1)
- 3. SEC Use Only
- 4. Citizenship or Place of Organization United States

	5.	Sole Voting Power 0
Number of		
Shares	6.	Shared Voting Power
Beneficially		6,423,748 (2)
Owned by		, , , ,
Each	7.	Sole Dispositive Power
Reporting		0
Person With:		
	8.	Shared Dispositive Power

- 9. Aggregate Amount Beneficially Owned by Each Reporting Person 6,423,748 (2)
- 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) x(3)
- 11. Percent of Class Represented by Amount in Row (9) 10.9%(4)
- 12. Type of Reporting Person (See Instructions) IN

This Schedule 13G/A is being filed by (i) Venrock Associates IV, L.P. (VA4), Venrock Partners, L.P. (VP), Venrock Entrepreneurs Fund IV, L.P. (VEF4), Venrock Management IV, LLC (VM4), Venrock Partners Management, LLC (VPM) and VEF Management IV, LLC (VEFM and together with VA4, VP, VEF4, VM4 and VPM, the Venrock IV Entities) and (ii) Venrock Healthcare Capital Partners II, L.P. (VHCP2), VHCP Co-Investment Holdings II, LLC (VHCP Co-2), VHCP Management II, LLC (VHCPM2), Venrock Healthcare Capital Partners III, L.P. (VHCP3), VHCP Co-Investment Holdings III, LLC (VHCP Co-3), VHCP Management III, LLC (VHCPM3), Nimish Shah (Shah) and Bong Koh (Koh and together with VHCP2, VHCP Co-2, VHCPM2, VHCP3, VHCP Co-3, VHCPM3 and Shah, the VHCP Entities). The Venrock IV Entities and the VHCP Entities are collectively referred to as the Reporting Persons. The Reporting Persons expressly disclaim status as a group for purposes of this Schedule 13G/A.

6,423,748 (2)

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ The shares included on rows 6, 8 and 9 do not include an aggregate of 962,415 shares of common stock held by the Venrock IV Entities. The VHCP Entities disclaim beneficial ownership over the shares held by the Venrock IV Entities.

⁽⁴⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

CUSIP No. 078771102

Introductory Note: This Schedule 13G/A is filed on behalf of the following entities and individuals in respect of shares of common stock of Bellerophon Therapeutics, Inc.:

- 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 (VM4), the general partner of VA4;
- Venrock Partners Management, LLC, a limited liability company organized under the laws of the State of Delaware (VPM), the general partner of VP;
- VEF Management IV, LLC, a limited liability company organized under the laws of the State of Delaware (VEFM), the general partner of VEF4;
- Venrock Healthcare Partners II, L.P., a limited partnership organized under the laws of the State of Delaware (VHCP2);
- VHCP Co-Investment Holdings II, LLC, a limited liability company organized under the laws of the State of Delaware (VHCP Co-2);
- VHCP Management II, LLC, a limited liability company organized under the laws of the State of Delaware (VHCPM2), the general partner of VHCP2 and the manager of VHCP Co-2;
- Venrock Healthcare Partners III, L.P., a limited partnership organized under the laws of the State of Delaware (VHCP3);
- VHCP Co-Investment Holdings III, LLC, a limited liability company organized under the laws of the State of Delaware (VHCP Co-3);
- VHCP Management III, LLC, a limited liability company organized under the laws of the State of Delaware (VHCPM3), the general partner of VHCP3 and the manager of VHCP Co-3;
- Nimish Shah, a managing member of VHCPM2 and VHCPM3; and
- Bong Koh, a managing member of VHCPM2 and VHCPM3.

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

Item 2.

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

Venrock Healthcare Capital Partners II, L.P.

VHCP Co-Investment Holdings II, LLC

VHCP Management II, LLC

VHCP Co-Investment Holdings III, LLC

VHCP Co-Investment Holdings III, LLC

VHCP Management III, LLC

VHCP Management III, LLC

Bong Koh

CUSIP No. 078771102

(b)	Address of Principal Business Office or, if none, Residence		
	New York Office:	Palo Alto Office:	Boston Office:
	7 Bryant Park	3340 Hillview Avenue	34 Farnsworth Street
	23rd Floor	Palo Alto, CA 94304	3rd Floor
	New York, NY 10018		Boston, MA 02210
(c)	Citizenship		
	Each of the entities was organized citizens.	in Delaware. Bong Koh	and Nimish Shah are both United States
(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, 2018:

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)
Venrock Healthcare Capital Partners II, L.P.	6,423,748(2)
VHCP Co-Investment Holdings II, LLC	6,423,748(2)
VHCP Management II, LLC	6,423,748(2)
Venrock Healthcare Capital Partners III, L.P.	6,423,748(2)
VHCP Co-Investment Holdings III, LLC	6,423,748(2)
VHCP Management III, LLC	6,423,748(2)
Nimish Shah	6,423,748(2)
Bong Koh	6,423,748(2)

CUSIP No. 078771102

(b) Percent of class as of December 31, 2018:

Venrock Associates IV, L.P.	1.6%(3)
Venrock Partners, L.P.	1.6%(3)
Venrock Entrepreneurs Fund IV, L.P.	1.6%(3)
Venrock Management IV, LLC	1.6%(3)
Venrock Partners Management, LLC	1.6%(3)
VEF Management IV, LLC	1.6%(3)
Venrock Healthcare Capital Partners II, L.P.	10.9%(3)
VHCP Co-Investment Holdings II, LLC	10.9%(3)
VHCP Management II, LLC	10.9%(3)
Venrock Healthcare Capital Partners III, L.P.	10.9%(3)
VHCP Co-Investment Holdings III, LLC	10.9%(3)
VHCP Management III, LLC	10.9%(3)
Nimish Shah	10.9%(3)
Bong Koh	10.9%(3)

(c) Number of shares as to which the person has, as of December 31, 2018:

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
Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
VHCP Management II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
VHCP Management III, LLC	0
Nimish Shah	0
Bong Koh	0

(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)
Venrock Healthcare Capital Partners II, L.P.	6,423,748(2)
VHCP Co-Investment Holdings II, LLC	6,423,748(2)
VHCP Management II, LLC	6,423,748(2)
Venrock Healthcare Capital Partners III, L.P.	6,423,748(2)
VHCP Co-Investment Holdings III, LLC	6,423,748(2)
VHCP Management III, LLC	6,423,748(2)
Nimish Shah	6,423,748(2)

Bong Koh 6,423,748(2)

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(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
Venrock Healthcare Capital Partners II, L.P.	0
VHCP Co-Investment Holdings II, LLC	0
VHCP Management II, LLC	0
Venrock Healthcare Capital Partners III, L.P.	0
VHCP Co-Investment Holdings III, LLC	0
VHCP Management III, LLC	0
Nimish Shah	0
Bong Koh	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)
Venrock Healthcare Capital Partners II, L.P.	6,423,748(2)
VHCP Co-Investment Holdings II, LLC	6,423,748(2)
VHCP Management II, LLC	6,423,748(2)
Venrock Healthcare Capital Partners III, L.P.	6,423,748(2)
VHCP Co-Investment Holdings III, LLC	6,423,748(2)
VHCP Management III, LLC	6,423,748(2)
Nimish Shah	6,423,748(2)
Bong Koh	6,423,748(2)

⁽¹⁾ Consists of 783,407 shares held by VA4, 159,761 shares held by VP and 19,247 shares held by VEF4.

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.

Ownership of More than Five Percent on Behalf of Another Person

⁽²⁾ Consists of 2,952,442 shares held by VHCP2, 1,196,936 shares held by VHCP Co-2, 2,067,631 shares held by VHCP3 and 206,739 shares held by VHCP Co-3.

⁽³⁾ This percentage is calculated based upon 58,679,492 shares of common stock outstanding as of November 6, 2018, as reported in the issuer s Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on November 7, 2018.

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 Not Applicable

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Item 8. Identification and Classification of Members of the Group

Not Applicable

Item 9. Notice of Dissolution of a Group

Not Applicable

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CUSIP No. 078771102

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, other than activities solely in connection with a nomination under § 240.14a-11.

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, 2019

Venrock Associates IV, L.P.

By: Venrock Management IV, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Partners, L.P.

By: Venrock Partners Management, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Entrepreneurs Fund IV, L.P.

By: VEF Management IV, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Management IV, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Partners Management, LLC

By: /s/ David L. Stepp

Name: David L. Stepp

Title: Authorized Signatory

VEF Management IV, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

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Venrock Healthcare Capital Partners II, L.P.

By: VHCP Management II, LLC,

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Co-Investment Holdings II, LLC

By: VHCP Management II, LLC,

its Manager

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Management II, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Healthcare Capital Partners III, L.P.

By: VHCP Management III, LLC,

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Co-Investment Holdings III, LLC

By: VHCP Management III, LLC,

its Manager

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Management III, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

/s/ David L. Stepp, as attorney-in-fact

Nimish Shah

/s/ David L. Stepp, as attorney-in-fact

Bong Koh

CUSIP No. 078771102

EXHIBITS

- A: Joint Filing Agreement
- B: Power of Attorney for Bong Koh (incorporated by reference to Exhibit B to the Schedule 13G filed with the Securities and Exchange Commission on October 10, 2017)
- C: Power of Attorney for Nimish Shah (incorporated by reference to Exhibit C to the Schedule 13G filed with the Securities and Exchange Commission on October 10, 2017)

CUSIP No. 078771102

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 Bellerophon Therapeutics, 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 14th day of February, 2019.

Venrock Associates IV, L.P.

By: Venrock Management IV, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Partners, L.P.

By: Venrock Partners Management, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Entrepreneurs Fund IV, L.P.

By: VEF Management IV, LLC

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Management IV, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Partners Management, LLC

/s/ David L. Stepp Name: David L. Stepp Title: Authorized Signatory By:

VEF Management IV, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Healthcare Capital Partners II, L.P.

By: VHCP Management II, LLC,

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Co-Investment Holdings II, LLC

By: VHCP Management II, LLC,

its Manager

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Management II, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

Venrock Healthcare Capital Partners III, L.P.

By: VHCP Management III, LLC,

its General Partner

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Co-Investment Holdings III, LLC

By: VHCP Management III, LLC,

its Manager

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

VHCP Management III, LLC

By: /s/ David L. Stepp

Name: David L. Stepp Title: Authorized Signatory

/s/ David L. Stepp, as attorney-in-fact **Nimish Shah**

/s/ David L. Stepp, as attorney-in-fact $\boldsymbol{Bong\ Koh}$