SCHEDULE 13G

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

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

	(Name of Issuer)
	(Name of Issuer)
	Common Stock, par value \$0.01 per share
	(Title of Class of Securities)
	079481107
	(CUSIP Number)
	December 18, 2014
	(Date of Event which Requires Filing of this Statement)
⊠ Rule 13d-1(b)	
☑ Rule 13d-1(b)☐ Rule 13d-1(c)	
, ,	

	NAMES OF REPORTING PERSONS				
	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)				
_	Baker Bros. Advisors LP				
	Daker Dios. Au	1713013			
	13-409	93645			
2	CHECK THE	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [(b) [
3	SEC USE ONLY				
3	CITIZENSHII	D OD D	PLACE OF ORGANIZATION		
4	CITIZENSIII	OKI	LACE OF ORGANIZATION		
-	Delaware		<u> </u>		
		5	SOLE VOTING POWER		
		Э			
			4,283,732		
NUMBER OF			SHARED VOTING POWER		
	SHARES EFICIALLY	6	SIERRED VOTENGTOWER		
	WNED BY		-0-		
	EACH PORTING	_	SOLE DISPOSITIVE POWER		
	PERSON	7	SOLE DISPOSITIVE FOWER		
	WITH		4,283,732		
			SHARED DISPOSITIVE POWER		
		8	SHARED DISTOSITIVE FOWER		
	T		-0-		
9	AGGREGATE	Е АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
9					
	4,283,732				
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES			E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
10					
	See Instructions)				
11	PERCENT OF	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9			
11					
	16.3% (1)				
13	TYPE OF REI	TYPE OF REPORTING PERSON (See Instructions)			
12 TYPE OF REPORTING PERSON (See Instructions) IA, PN					

(1) Based on 26,274,608 shares of the Issuer's common stock outstanding as of December 31, 2014, based on information obtained from the Issuer on January 12, 2015.

	NAMES OF REPORTING PERSONS				
1	I.R.S. IDENTI	I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)			
	Baker Bros. Advisors (GP) LLC				
	46-3147749				
2	CHECK THE	APPR	OPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)		
		(a			
		(b) 🗆			
	SEC USE ONI	LY			
3					
_	CITIZENSHII	P OR P	LACE OF ORGANIZATION		
4	Delaware	ā			
		_	SOLE VOTING POWER		
		5			
			4,283,732		
NUMBER OF SHARES		6	SHARED VOTING POWER		
BEN	EFICIALLY	O			
	OWNED BY EACH REPORTING PERSON WITH		-0-		
RE			SOLE DISPOSITIVE POWER		
			4,283,732		
			4,203,732		
		8	SHARED DISPOSITIVE POWER		
			-0-		
9	AGGREGATE	E AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	4,283,732				
4.0	CHECK DOV IF THE ACCDECATE AMOUNT IN DOW (6) EVOLUDES CEDITAIN SHADES				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES □				
	See Instructions)				
11	PERCENT OF	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9			
11					
	16.3% (1)				
12	TYPE OF REI	TYPE OF REPORTING PERSON (See Instructions)			
HC, OO					

(1) Based on 26,274,608 shares of the Issuer's common stock outstanding as of December 31, 2014, based on information obtained from the Issuer on January 12, 2015.

1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) Felix J. Baker				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [(b) [
3	SEC USE ONLY				
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States				
		5	SOLE VOTING POWER 4,283,732		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		6	SHARED VOTING POWER -0-		
		7	SOLE DISPOSITIVE POWER 4,283,732		
		8	SHARED DISPOSITIVE POWER -0-		
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	4,283,732		E ACCEPICATE AMOUNT IN DOLL (6) ENCLAIRES CERTAIN SWARES		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES [See Instructions]				
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	16.3% (1)				
12	TYPE OF REPORTING PERSON (See Instructions) IN, HC				

(1) Based on 26,274,608 shares of the Issuer's common stock outstanding as of December 31, 2014, based on information obtained from the Issuer on January 12, 2015.

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	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)				
1					
	Julian C. Baker				
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)			OPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)	(a) □	
	SEC USE ONLY				
3					
_	CITIZENSHIP OR PLACE OF ORGANIZATION				
4	United States				
		5	SOLE VOTING POWER		
		•	4,283,732		
NU	MBER OF				
	SHARES EFICIALLY	6	SHARED VOTING POWER		
OWNED BY			-0-		
RE	EACH REPORTING		SOLE DISPOSITIVE POWER		
PERSON WITH		7	4,283,732		
			SHARED DISPOSITIVE POWER		
			-0-		
9	AGGREGATE	Е АМО	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	4,283,732				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
10					
(See Instructions)					
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9				
	16.3% (1)				
10	TVPF OF PFI	PORTI	NC PERSON (See Instructions)		
12 TYPE OF REPORTING PERSON (See Instructions) IN, HC					
(1)		74 COO .			

(1) Based on 26,274,608 shares of the Issuer's common stock outstanding as of December 31, 2014, based on information obtained from the Issuer on January 12, 2015.

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Item 1(a) Name of Issuer:

Bellicum Pharmaceuticals, Inc. (the "Issuer")

Item 1(b) Address of Issuer's Principal Executive Offices:

2130 W. Holcombe Blvd., Ste. 800

Houston, TX 77030

Item 2(a) Name of Person Filing:

This Schedule 13G is being filed jointly by the Baker Bros. Advisors LP (the "Adviser"), Baker Bros. Advisors (GP) LLC (the "Adviser GP"), Felix J. Baker and Julian C. Baker (collectively, the "Reporting Persons").

Item 2(b) Address of Principal Business Office or, if None, Residence:

The business address of each of the Reporting Persons is:

c/o Baker Bros. Advisors LP

667 Madison Avenue, 21st Floor

New York, NY 10065

(212) 339-5690

Item 2(c) Citizenship:

The Adviser is a limited partnership organized under the laws of the State of Delaware. The Adviser GP is a limited liability company organized under the laws of the State of Delaware. The citizenship of each of Julian C. Baker and Felix J. Baker is the United States of America.

Item 2(d) Title of Class of Securities

Common Stock, \$0.01 par value per share ("Common Stock")

Item 2(e) CUSIP Number

079481107

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Item 3.	If this statement is filed pursuant to §§240.13d-1	(b) or (c), check whether the	person filing is a:		
	(a) \square Broker or dealer registered under Section 15 of the Ex	schange Act.			
	(b) \square Bank as defined in section 3(a)(6) of the Exchange A	ct.			
	(c) \square Insurance company as defined in section 3(a)(19) of t	he Exchange Act.			
	(d) \square Investment company registered under section 8 of the	Investment Company Act of 19	940.		
	(e) ⊠ An investment adviser in accordance with Rule 13d-1	(b)(1)(ii)(E).			
	(f) \square An employee benefit plan or endowment fund in acco	rdance with Rule 13d-1(b)(1)(ii)(F).		
	(g) \boxtimes A parent holding company or control person in accord	dance with Rule 13d-1(b)(1)(ii)(G).		
	(h) \square A savings association as defined in Section 3(b) of the	e Federal Deposit Insurance Act			
	(i) \square A church plan that is excluded from the definition of a	ın investment company under se	ection 3(c)(14) of the Investment Company Act of 1940.		
	(j) \square Group, in accordance with Rule 13d-1(b)(1)(ii)(J).				
Item 4.	Ownership.				
Items 5 through 9 and 11 of each of the cover pages to this Schedule 13G are incorporated herein reference. Certain securities of the Issuer are directly held by each of Baker Brothers Life Sciences, L.P. ("Life Sciences"), 14159, L.P. ("14159") and 667, L.P. ("667", and together with Life Sciences and 14159, the "Funds"). The information set forth below is based upon 26,274,608 shares of Common Stock outstanding as of December 31, 2014, based upon information obtained from the Issuer on January 12, 2015. Such percentage figures are calculated in accordance with Rule 13d-3 under the Securities Exchange Act of 1934, as amended.					
		Number of Shares of			
		Common Stock we own	Proceeds of Class		
Name		or have the right to acquire within 60 days	Percent of Class Outstanding		
667, L.	P	367,966	1.4%		
	Brothers Life Sciences, L.P.	3,845,303	14.6%		
14159,	L.P.	70,463	0.3%		

4,283,732

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16.3%

Total

Pursuant to the amended and restated management agreements, among the Adviser, the Funds and their respective general partners, the Funds' respective general partners relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds, the Adviser has complete and unlimited discretion and authority with respect to the Funds' investments and voting power over investments.

The Adviser GP, Felix J. Baker and Julian C. Baker as principals of the Adviser GP, and the Adviser may be deemed to be beneficial owners of securities of the Issuer directly held by the Funds, and may be deemed to have the sole power to vote or direct the vote of and the power to dispose or direct the disposition of such securities.

The Reporting Persons disclaim beneficial ownership of the securities held by each of the Funds, and this Schedule 13G shall not be deemed an admission that the Reporting Persons are the beneficial owners of such securities for purposes of Section 13(d) or for any other purpose.

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 []. N/A

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

The information in Item 4 is incorporated herein by reference.

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

The information in Item 4 is incorporated herein by reference.

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

N/A

Item 9. Notice of Dissolution of Group.

N/A

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

January 12, 2015

BAKER BROS. ADVISORS LP

By: Baker Bros. Advisors (GP) LLC, its general partner

By: /s/ Scott L. Lessing

Name: Scott L. Lessing Title: President

BAKER BROS. ADVISORS (GP) LLC

By: /s/ Scott L. Lessing

Name: Scott L. Lessing
Title: President

/s/ Julian C. Baker

Julian C. Baker

/s/ Felix J. Baker

Felix J. Baker

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AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree that this Statement on Schedule 13G relating to the Common Stock of Bellicum Pharmaceuticals, Inc. is being filed with the Securities and Exchange Commission on behalf of each of them.

January 12, 2015

BAKER BROS. ADVISORS LP

By: Baker Bros. Advisors (GP) LLC, its general partner

By: /s/ Scott L. Lessing

Name: Scott L. Lessing Title: President

BAKER BROS. ADVISORS (GP) LLC

By: /s/ Scott L. Lessing

Name: Scott L. Lessing Title: President

/s/ Julian C. Baker

Julian C. Baker

/s/ Felix J. Baker

Felix J. Baker