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

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No. 1) 1

Kura Oncology, Inc. (Name of Issuer)

Common Stock, par value \$0.0001 per share (Title of Class of Securities)

50127T109

(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:

□ Rule 13d-1(b)

⊠ Rule 13d-1(c)

□ Rule 13d-1(d)

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*).

¹ 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.

	1			
1	NAME OF REPORTING PERSON			
	Biotechnology Value Fund, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR I	PLACE OF ORGANIZATION		
	Delaware			
NUMBER OF	5	SOLE VOTING POWER		
SHARES	J	JOLE VOTING FOWER		
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH				
REPORTING		1,344,322		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		1,344,322		
9	AGGREGATE AMO	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	1 244 222			
10	1,344,322	IE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
10	CHECK BUA IF IF	IE AGGREGALE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
**				
	3.5%			
12	TYPE OF REPORT	ING PERSON		
	PN			
<u> </u>	<i>;</i>			

1			
1	NAME OF REPORTING PERSON		
	Biotechnolo	gy Value Fund II I. P	
2	Biotechnology Value Fund II, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		
-			(a) ⊠ (b) □
3	SEC USE ONLY		
4		PLACE OF ORGANIZATION	
4	CITIZENSHIP OF	A PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY EACH	6	SHARED VOTING POWER	
REPORTING		1,052,428	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		1.052.428	
9	AGGREGATE AN	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
-			
	1,052,428		
10	CHECK BOX IF 7	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	2.8%		
12	TYPE OF REPOR	TING PERSON	
	PN		
	PIN		

	1			
1	NAME OF REPORT	TING PERSON		
	Biotechnology Value Trading Fund OS LP			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) 🖂			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR F	PLACE OF ORGANIZATION		
	Cayman Island			
NUMBER OF	5	SOLE VOTING POWER		
SHARES				
BENEFICIALLY OWNED BY	C	0 shares		
	6	SHARED VOTING POWER		
EACH REPORTING		206,060		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
FERSON WITH	/	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
	0	SHIRLD DISTOSTITUE FOWER		
		206,060		
9	AGGREGATE AMC	DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
5				
	206,060			
10		E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	Less than 1%			
12	TYPE OF REPORTI	NG PERSON		
	PN			
	·			

r				
1	NAME OF REPORTING PERSON			
	BVF Partners OS Ltd.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) ⊠			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR 1	PLACE OF ORGANIZATION		
		,		
	Cayman Islan			
NUMBER OF	5	SOLE VOTING POWER		
SHARES		0 shares		
BENEFICIALLY OWNED BY	C			
EACH	6	SHARED VOTING POWER		
REPORTING		206,060		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
	/	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
	0			
		206,060		
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	206,060			
10	CHECK BOX IF TH	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	Less than 1%			
12	TYPE OF REPORT	ING PERSON		
	CO			

	1			
1	NAME OF REPORTING PERSON			
	BVF Partners L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) 🛛			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR F	PLACE OF ORGANIZATION		
	Dila			
NUMBER OF	Delaware 5	SOLE VOTING POWER		
SHARES	Б	SOLE VOTING POWER		
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH	0	SHARED VOTING FOWER		
REPORTING		2,775,156		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		2,775,156		
9	AGGREGATE AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,775,156			
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	DEDCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
11	FERCENT OF CLA	55 Refresented D1 AWOUNT IN ROW (9)		
	7.3%			
12	TYPE OF REPORTI	NG PERSON		
	PN, IA			
	ļ <u> </u>			

1	NAME OF REPORTING PERSON			
	BVF Inc.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) 🛛			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR	PLACE OF ORGANIZATION		
	Delaware			
NUMBER OF	5	SOLE VOTING POWER		
SHARES				
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH				
REPORTING		2,775,156		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		2,775,156		
9	AGGREGATE AM	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2 775 150			
10	2,775,156			
10	CHECK BUX IF II	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	DEDCENTORCIA	ASS REPRESENTED BY AMOUNT IN ROW (9)		
11	PERCENT OF CLF	V22 VELVESENTED DI VIMOUNT IN KOM (2)		
	7.3%			
12	TYPE OF REPORT	INC DERSON		
12	I I FE OF REPORT	INGTERSON		
	СО			
L				

1	NAME OF REPORTING PERSON			
	Mark N. Lampert			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) 🛛			
			(b) 🗆	
3	SEC USE ONLY			
4	CITIZENSHIP OR F	PLACE OF ORGANIZATION		
	II.'. I Com			
	United States			
NUMBER OF SHARES	5	SOLE VOTING POWER		
BENEFICIALLY		0 shares		
OWNED BY	6	SHARED VOTING POWER		
EACH	0	SHARED VOTING POWER		
REPORTING		2,775,156		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
	1			
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		2,775,156		
9	AGGREGATE AMC	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,775,156			
10	CHECK BOX IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)		
	= 00/			
12	7.3%			
12	TYPE OF REPORTI	ING PERSOIN		
	IN			
	11N			

CUSIP NO.	501271109
Item 1(a).	Name of Issuer:
	Kura Oncology, Inc., a Delaware corporation (the "Issuer").
Item 1(b).	Address of Issuer's Principal Executive Offices:
	3033 Science Park Road, Suite 220 San Diego, California 92121
Item 2(a). Item 2(b). Item 2(c).	Name of Person Filing Address of Principal Business Office or, if None, Residence Citizenship
	Biotechnology Value Fund, L.P. ("BVF") 44 Montgomery St., 40 th Floor San Francisco, California 94104 Citizenship: Delaware
	Biotechnology Value Fund II, L.P. ("BVF2") 44 Montgomery St., 40 th Floor San Francisco, California 94104 Citizenship: Delaware
	Biotechnology Value Trading Fund OS LP ("Trading Fund OS") PO Box 309 Ugland House Grand Cayman, KY1-1104 Cayman Islands Citizenship: Cayman Islands
	BVF Partners OS Ltd. ("Partners OS") PO Box 309 Ugland House Grand Cayman, KY1-1104 Cayman Islands Citizenship: Cayman Islands
	BVF Partners L.P. ("Partners") 44 Montgomery St., 40 th Floor San Francisco, California 94104 Citizenship: Delaware
	BVF Inc. 44 Montgomery St., 40 th Floor San Francisco, California 94104 Citizenship: Delaware
	Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40 th Floor San Francisco, California 94104 Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d).	Title of Class of Securities:					
	Common Stock, par value \$0.0001 per share (the "Common Stock")					
Item 2(e).	CUSI	P Numb	er:			
	50127T109					
Item 3.	If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:					
		/x/	Not applicable.			
	(a)	//	Broker or dealer registered under Section 15 of the Exchange Act.			
	(b)	//	Bank as defined in Section 3(a)(6) of the Exchange Act.			
	(c)	//	Insurance company as defined in Section 3(a)(19) of the Exchange Act.			
	(d)	//	Investment company registered under Section 8 of the Investment Company Act.			
	(e)	//	An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).			
	(f)	//	An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).			
	(g)	//	A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).			
	(h)	//	A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.			
	(i)	//	A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.			
	(j)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).			
	(k)	//	Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:			
Item 4.	Owne	ership				
(a)	Amount beneficially owned:					
	As of the close of business on December 31, 2018 (i) BVF beneficially owned 1,344,322 shares of Common Stock, (ii) BVF2 benefic owned 1,052,428 shares of Common Stock, and (iii) Trading Fund OS beneficially owned 206,060 shares of Common Stock.					

Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 206,060 shares of Common Stock beneficially owned by Trading Fund OS.

Partners, as the general partner of BVF, BVF2, the investment manager of Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 2,775,156 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, Trading Fund OS, and a certain Partners managed account (the "Partners Managed Account"), including 172,346 shares of Common Stock held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 2,775,156 shares of Common Stock beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 2,775,156 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Partners OS disclaims beneficial ownership of the shares of Common Stock beneficially owned by Trading Fund OS. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Account, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 38,036,952 shares of Common Stock outstanding as of October 31, 2018, which is the total number of shares of Common Stock outstanding as reported in the Issuer's Quarterly Report filed on Form 10-Q with the Securities and Exchange Commission on November 5, 2018.

As of the close of business on December 31, 2018 (i) BVF beneficially owned approximately 3.5% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 2.8% of the outstanding shares of Common Stock, (iii) Trading Fund OS beneficially owned less than 1% of the outstanding shares of Common Stock, (iv) Partners OS may be deemed to beneficially own less than 1% of the outstanding shares of Common Stock, and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 7.3% of the outstanding shares of Common Stock (less than 1% of the outstanding shares of Common Stock are held in the Partners Managed Account).

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.



Item 5.	Ownership of Five Percent or Less of a Class.
	Not Applicable.
Item 6.	Ownership of More than Five Percent on Behalf of Another Person.
	Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Account.
Item 7.	Identification and Classification of the Subsidiary That 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.
	See Exhibit 99.1 to the Schedule 13G filed with the Securities and Exchange Commission on July 9, 2018.
Item 9.	Notice of Dissolution of Group.
	Not Applicable.
Item 10.	Certifications.

By signing below each of the undersigned certifies that, to the best of its 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.

SIGNATURE

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2019

BIOTECHNOLOGY VALUE FUND, L.P.

- By: BVF Partners L.P., its general partner
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert

Mark N. Lampert President

/s/ Mark N. Lampert MARK N. LAMPERT

BIOTECHNOLOGY VALUE FUND II, L.P.

- By: BVF Partners L.P., its general partner
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BVF PARTNERS L.P.

- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President
- BVF PARTNERS OS LTD.
- By: BVF Partners L.P., its sole member
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BIOTECHNOLOGY VALUE TRADING FUND OS LP

- By: BVF Partners L.P., its investment manager
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert

Mark N. Lampert President

