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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)*

Kura Oncology, Inc.
(Name of Issuer)
Common Stock now value \$0,0001 now shows
Common Stock par value \$0.0001 per share
(Title of Class of Securities)
50127T 109
(CUSIP Number)
December 31, 2015
(Date of Event which Requires Filing of this Statement)
(Date of Event winch Requires Fining of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule is filed:
□ Dule 124 1(b)
□ Rule 13d-1(b)
x Rule 13d-1(c)
o Rule 13d-1(d)
o Ruic 15u-1(u)

*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 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. 50127T 109			13G		Page 2 of 12			
1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)								
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Item 1(a). Name of Issuer

Kura Oncology, Inc. (the "Issuer").

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

11119 N. Torrey Pines Road, Suite 125, La Jolla, CA 92037.

Item 2(a). Name of Person Filing

ARCH Venture Fund VIII, L.P. ("ARCH Venture Fund VIII"); ARCH Venture Partners VIII, L.P. ("AVP VIII LP"); ARCH Venture Partners VIII, LLC ("AVP VIII LLC") (collectively, the "Reporting Entities" and individually, each a "Reporting Entity"); and Keith Crandell ("Crandell"), Robert Nelsen ("Nelsen") and Clinton Bybee ("Bybee") (collectively, the "Managing Directors" and individually, each a "Managing Director"). The Reporting Entities and the Managing Directors collectively are referred to as the "Reporting Persons".

Item 2(b). Address of Principal Business Office or, if none, Residence

8725 W. Higgins Avenue, Suite 290, Chicago, IL 60631

Item 2(c). Citizenship

ARCH Venture Fund VIII and AVP VIII LP are limited partnerships organized under the laws of the State of Delaware. AVP VIII LLC is a limited liability company organized under the laws of the State of Delaware. Each Managing Director is a US citizen.

Item 2(d). Title of Class of Securities

Common stock, par value \$0.0001 per share.

Item 2(e). CUSIP Number

50127T 109

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:

Not Applicable.

Item 4. Ownership

(a) Amount beneficially owned:

ARCH Venture Fund VIII is the record owner of 1,888,687 shares of Common Stock (the "Record Shares") as of December 31, 2015. AVP VIII LP, as the sole general partner of ARCH Venture Fund VIII, may be deemed to beneficially own the Record Shares. AVP VIII LLC, as the sole general partner of AVP VIII LP, may be deemed to beneficially own the Record Shares. As managing directors of AVP VIII LLC, each Managing Director may also be deemed to share the power to direct the disposition and vote of the Record Shares.

(b) Percent of class:

In the aggregate, the Reporting Persons beneficially own 8.8% of the outstanding shares of common stock of the Issuer, based upon 21,370,560 shares of common stock outstanding as of November 13, 2015 as reported on the Issuer's Form 10-Q as filed with the Securities and Exchange Commissionon November 13, 2015.

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c)	Number o	f shares as to which such	person has:	
	(i)	Sole power to vote or to	direct the vote:	
		0 shares for each Repor	ting Person	
	(ii)	Shared power to vote or	to direct the vote:	
		Each of the Reporting F	Persons: 1,888,687	
	(iii)	Sole power to dispose of	r to direct the disposition:	
		0 shares for each Repor	ting Person	
	(iv)	Shared power to dispose	e or to direct the disposition:	
		Each of the Reporting F	Persons: 1,888,687	
Each Reporting	Person disclai	ms beneficial ownership	of such shares of Common Stock except for the shares,	if any, such Reporting Person holds of record.
tem 5.	Ownership	o of Five Percent or Les	s of a Class	
Not Applicable.				
tem 6.	Ownershi	o of More than Five Per	cent on Behalf of Another Person	
	o wherein,	y or more than riveren	cent on Senior of Amountain a crown	
Not Applicable.				
tem 7.	Identification	on and Classification of	the Subsidiary Which Acquired the Security Being 1	Reported on By the Parent Holding Company
Not Applicable.				
tem 8.	Identificat	ion and Classification o	f Members of the Group	
Not Applicable.				

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.

Item 9.

Item 10.

Not Applicable.

Notice of Dissolution of Group

Certification

	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 12, 2016	
A	ARCH VENTURE FUND VIII, L.P.
By: ARCH Venture Partners VIII, L.P. its General Partner	
By: ARCH Venture Partners VIII, LLC its General Partner	
By:* Keith Crandell Managing Director	
A	ARCH VENTURE PARTNERS VIII, L.P.
By: ARCH Venture Partners VIII, LLC its General Partner	
By:* Keith Crandell Managing Director	
ARCH VENTURE PARTNERS VIII, LLC	
By: * Keith Crandell Managing Director	
Keith Crandell	*
Robert Nelsen	*
Clinton Bybee	*

* By: <u>/s/ Mark McDonnell</u>

Mark McDonnell as

Attorney-in-Fact

This Amendment No. 1 to Schedule 13G was executed by Mark McDonnell pursuant to Powers of Attorney attached hereto as Exhibit 2 and incorporated herein by reference.

CUSIP No.	. 50127T 109	
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Exhibit 1

AGREEMENT

Pursuant to Rule 13d-1-(k)(1) under the Securities Exchange Act of 1934, the undersigned hereby agree that only one statement containing the information required by Schedule 13G need be filed with respect to the ownership by each of the undersigned of shares of stock of Kura Oncology, Inc.

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original.

Dated: February 12, 2016	ARCH VENTURE FUND VIII, L.P.
By: ARCH Venture Partners VIII, L.P. its General Partner	
By: ARCH Venture Partners VIII, LLC its General Partner	
By: * Keith Crandell Managing Director	
ARCH VENTURE PARTNERS VIII, L.P.	
By: ARCH Venture Partners VIII, LLC its General Partner	
By: * Keith Crandell Managing Director	
ARCH VENTURE PARTNERS VIII, LLC	
By: * Keith Crandell Managing Director	
Keith Crandell	
Robert Nelsen	*
Clinton Bybee	*
* By: <u>/s/ Mark McDonnell</u> Mark McDonnell as Attorney-in-Fact	

This Agreement was executed by Mark McDonnell pursuant to Powers of Attorney attached hereto as Exhibit 2 and incorporated herein by reference.

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Exhibit 2

POWERS OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below hereby constitutes and appoints Mark McDonnell his true and lawful attorney-in-fact, with full power of substitution, to sign any and all instruments, certificates and documents that may be necessary, desirable or appropriate to be executed on behalf of himself as an individual or in his capacity as a direct or indirect general partner, member, director, officer or manager of any partnership, corporation or limited liability company, pursuant to section 13 or 16 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any and all regulations promulgated thereunder, and to file the same, with all exhibits thereto, and any other documents in connection therewith, with the Securities and Exchange Commission, and with any other entity when and if such is mandated by the Exchange Act or by the Financial Industry Regulatory Authority, granting unto said attorney-in-fact full power and authority to do and perform each and every act and thing necessary, desirable or appropriate, fully to all intents and purposes as he might or could do in person, thereby ratifying and confirming all that said attorney-in-fact, or his substitutes, may lawfully do or cause to be done by virtue hereof. This Power of Attorney shall remain in full force and effect with respect to each undersigned person unless and until six months after such person is both no longer a Managing Director of ARCH Venture Partners and no longer serving on the board of directors of any portfolio company of any ARCH Venture Partners fund.

as he might or could do in person, thereby ratifying hereof. This Power of Attorney shall remain in full f longer a Managing Director of ARCH Venture Part fund.	and confirming all that said attorney-in-fact, o orce and effect with respect to each undersigned
IN WITNESS WHEREOF, this Power of Attorney has	as been signed as of the 9^{th} day of March, 2015.
ARCH VENTURE FUND VIII, L.P.	
By: ARCH Venture Partners VIII, L.P. its General Partner	
By: ARCH Venture Partners VIII, LLC. its General Partner	
By: /s/ Keith Crandell Managing Director	
	ARCH VENTURE PARTNERS VIII, L.P.
	By: ARCH Venture Partners VIII, LLC its General Partner
By: /s/ Keith Crandell Managing Director	
ARCH VENTURE PARTNERS VIII, LLC	
By: <u>/s/ Keith Crandell</u> Managing Director	
/s/ Keith Crandell Keith Crandell	
/s/ Robert Nelsen Robert Nelsen	
/s/ Clinton Bybee	Clinton Bybee
	/s/ Kristina Burow Kristina Burow
/s/ Paul Thurk	Paul Thurk