

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

SCHEDULE 13G

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

ARROWHEAD RESEARCH CORPORATION

(Name of Issuer)

Common Stock, Par Value \$0.001 Per Share

(Title of Class of Securities)

042797209

(CUSIP Number)

December 31, 2013

(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 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 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	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON S.A.C. Capital Advisors, L.P.
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="radio"/> (b) <input checked="" type="radio"/>
3	SEC USE ONLY
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 1,500,000 (see Item 4)
	7 SOLE DISPOSITIVE POWER 0
	8 SHARED DISPOSITIVE POWER 1,500,000 (see Item 4)
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,500,000 (see Item 4)
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.9% (see Item 4)
12	TYPE OF REPORTING PERSON* PN

*SEE INSTRUCTION BEFORE FILLING OUT

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON S.A.C. Capital Advisors, Inc.
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="radio"/> (b) <input checked="" type="radio"/>
3	SEC USE ONLY
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 1,500,000 (see Item 4)
	7 SOLE DISPOSITIVE POWER 0
	8 SHARED DISPOSITIVE POWER 1,500,000 (see Item 4)
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,500,000 (see Item 4)
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 3.9% (see Item 4)
12	TYPE OF REPORTING PERSON* CO

*SEE INSTRUCTION BEFORE FILLING OUT

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Sigma Capital Management, LLC
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="radio"/> (b) <input checked="" type="radio"/>
3	SEC USE ONLY
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 500,000 (see Item 4)
	7 SOLE DISPOSITIVE POWER 0
	8 SHARED DISPOSITIVE POWER 500,000 (see Item 4)
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 500,000 (see Item 4)
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.3% (see Item 4)
12	TYPE OF REPORTING PERSON* OO

*SEE INSTRUCTION BEFORE FILLING OUT

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Steven A. Cohen
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="radio"/> (b) <input checked="" type="radio"/>
3	SEC USE ONLY
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5 SOLE VOTING POWER 0
	6 SHARED VOTING POWER 2,000,000 (see Item 4)
	7 SOLE DISPOSITIVE POWER 0
	8 SHARED DISPOSITIVE POWER 2,000,000 (see Item 4)
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,000,000 (see Item 4)
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.2% (see Item 4)
12	TYPE OF REPORTING PERSON* IN

*SEE INSTRUCTION BEFORE FILLING OUT

Item 1(a)**Name of Issuer:**

Arrowhead Research Corporation

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

225 S. Lake Avenue, Suite 1050, Pasadena, California 91101

Item 2(a)**Name of Person Filing:**

This statement is filed by: (i) S.A.C. Capital Advisors, L.P. ("SAC Capital Advisors LP") with respect to shares of Common Stock, par value \$0.001 per share ("Shares"), of the Issuer beneficially owned by S.A.C. Capital Associates, LLC ("SAC Capital Associates"); (ii) S.A.C. Capital Advisors, Inc. ("SAC Capital Advisors Inc.") with respect to Shares beneficially owned by SAC Capital Advisors LP and SAC Capital Associates; (iii) Sigma Capital Management, LLC ("Sigma Management") with respect to Shares beneficially owned by Sigma Capital Associates, LLC ("Sigma Capital Associates"); and (iv) Steven A. Cohen with respect to Shares beneficially owned by SAC Capital Advisors LP, SAC Capital Advisors Inc., SAC Capital Associates, Sigma Management and Sigma Capital Associates.

Item 2(b)**Address or Principal Business Office:**

The address of the principal business office of (i) SAC Capital Advisors LP, SAC Capital Advisors Inc., and Mr. Cohen is 72 Cummings Point Road, Stamford, Connecticut 06902; and (ii) Sigma Management is 510 Madison Avenue, New York, New York 10022.

Item 2(c)**Citizenship:**

SAC Capital Advisors LP is a Delaware limited partnership. SAC Capital Advisors Inc. is a Delaware corporation. Sigma Management is a Delaware limited liability company. Mr. Cohen is a United States citizen.

Item 2(d)**Title of Class of Securities:**

Common Stock, par value \$0.001 per share

Item 2(e)**CUSIP Number:**

042797209

Item 3

Not Applicable

Item 4**Ownership:**

The percentages used herein are calculated based upon the Shares of common stock issued and outstanding as of December 16, 2013 as indicated in the Issuer's annual report on Form 10-K filed with the

As of the close of business on December 31, 2013:

1. S.A.C. Capital Advisors, L.P.
 - (a) Amount beneficially owned: 1,500,000
 - (b) Percent of class: 3.9%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,500,000
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,500,000

2. S.A.C. Capital Advisors, Inc.
 - (a) Amount beneficially owned: 1,500,000
 - (b) Percent of class: 3.9%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 1,500,000
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 1,500,000

3. Sigma Capital Management, LLC
 - (a) Amount beneficially owned: 500,000
 - (b) Percent of class: 1.3%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 500,000
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 500,000

4. Steven A. Cohen
 - (a) Amount beneficially owned: 2,000,000
 - (b) Percent of class: 5.2%
 - (c)(i) Sole power to vote or direct the vote: -0-
 - (ii) Shared power to vote or direct the vote: 2,000,000
 - (iii) Sole power to dispose or direct the disposition: -0-
 - (iv) Shared power to dispose or direct the disposition: 2,000,000

SAC Capital Advisors LP, SAC Capital Advisors Inc., Sigma Management and Mr. Cohen own directly no Shares. Pursuant to an investment management agreement, SAC Capital Advisors LP maintains investment and voting power with respect to the securities held by SAC Capital Associates. SAC Capital Advisors Inc. is the general partner of SAC Capital Advisors LP. Pursuant to an investment management agreement, Sigma Management maintains investment and voting power with respect to the securities held by Sigma Capital Associates. Mr. Cohen controls each of SAC Capital Advisors Inc. and Sigma Management. As of December 31, 2013, by reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934, as amended, each of (i) SAC Capital Advisors LP, SAC Capital Advisors Inc. and Mr. Cohen may be deemed to beneficially own 1,500,000 Shares (constituting approximately 3.9% of the Shares outstanding); and (ii) Sigma Management and Mr. Cohen may be deemed to beneficially own 500,000

Shares (constituting approximately 1.3% of the Shares outstanding). Each of SAC Capital Advisors LP, SAC Capital Advisors Inc., Sigma Management and Mr. Cohen disclaims beneficial ownership of any of the securities covered by this statement.

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. o

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

Not Applicable

Item 7 **Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:**

Not Applicable

Item 8 **Identification and Classification of Members of the Group:**

Not Applicable

Item 9 **Notice of Dissolution of Group:**

Not Applicable

Item 10 **Certification:**

By signing below the signatory certifies that, to the best of his 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 my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2014

S.A.C. CAPITAL ADVISORS, L.P.

By: /s/ Peter Nussbaum

Name: Peter Nussbaum

Title: Authorized Person

S.A.C. CAPITAL ADVISORS, INC.

By: /s/ Peter Nussbaum

Name: Peter Nussbaum

Title: Authorized Person

SIGMA CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum

Title: Authorized Person

STEVEN A. COHEN

By: /s/ Peter Nussbaum

Name: Peter Nussbaum

Title: Authorized Person