ARROWHEAD RESEARCH CORP Form SC 13G April 07, 2015

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

SCHEDULE 13G Under the Securities Exchange Act of 1934

ARROWHEAD RESEARCH CORPORATION

(Name of Issuer)

COMMON STOCK, PAR VALUE \$0.001 PER SHARE

(Title of Class of Securities)

042797209

(CUSIP Number)

APRIL 1, 2015

(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)

þ 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.

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042797209 **SCHEDULE 13G** Page 2 of 15 NAMES OF REPORTING PERSONS Integrated Core Strategies (US) LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF **SHARES** BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 1,966,084 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 1,966,084 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,966,084 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

3.6% 12TYPE OF REPORTING PERSON
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042797209 **SCHEDULE 13G** Page 3 of 15 NAMES OF REPORTING PERSONS ICS Opportunities, Ltd. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands NUMBER OF **SHARES** BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 1,329,449 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 1,329,449 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,329,449 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.4%

12TYPE OF REPORTING PERSON
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0.6% 12 TYPE OF REPORTING PERSON	
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CUSIP No.

042797209 **SCHEDULE 13G** Page 5 of 15 NAMES OF REPORTING PERSONS Millennium International Management LP CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF **SHARES** BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 1,663,622 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 1,663,622 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,663,622 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

3.0% 12TYPE OF REPORTING PERSON	Ī
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CUSIP No. 042797209 **SCHEDULE 13G** Page 6 of 15 NAMES OF REPORTING PERSONS Millennium International Management GP LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF **SHARES** BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 1,663,622 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 1,663,622 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,663,622 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

3.0% 12TYPE OF REPORTING PERSON	
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042797209 **SCHEDULE 13G** Page 7 of 15 NAMES OF REPORTING PERSONS Millennium Management LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF **SHARES** BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 3,629,706 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 3,629,706 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,629,706 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 6.6%

12TYPE OF REPORTING PERSON
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CUSIP No. 042797209 **SCHEDULE 13G** Page 8 of 15 NAMES OF REPORTING PERSONS Israel A. Englander CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) þ SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION **United States** NUMBER OF SHARES BENEFICIALLY OWNED BY **EACH** REPORTING PERSON WITH SOLE VOTING POWER -0-SHARED VOTING POWER 3,629,706 SOLE DISPOSITIVE POWER -0-SHARED DISPOSITIVE POWER 3,629,706 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,629,706 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES o 11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
6.6% 12 TYPE OF REPORTING PERSON
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Item 1.
(a)Name of Issuer:
Arrowhead Research Corporation, a Delaware corporation (the "Issuer").
(b) Address of Issuer s Principal Executive Offices:
225 S. Lake Avenue, Suite 1050 Pasadena, California 91101

Item 2.

(a)Name of Person Filing:

(b) Address of Principal Business Office:

(c)Citizenship:

Integrated Core Strategies (US) LLC c/o Millennium Management LLC 666 Fifth Avenue New York, New York 10103 Citizenship: Delaware

ICS Opportunities, Ltd. c/o Millennium International Management LP 666 Fifth Avenue New York, New York 10103 Citizenship: Cayman Islands

Integrated Assets, Ltd. c/o Millennium International Management LP 666 Fifth Avenue New York, New York 10103 Citizenship: Cayman Islands

Millennium International Management LP 666 Fifth Avenue New York, New York 10103 Citizenship: Delaware

Millennium International Management GP LLC 666 Fifth Avenue New York, New York 10103 Citizenship: Delaware

Millennium Management LLC 666 Fifth Avenue New York, New York 10103 Citizenship: Delaware

Israel A. Englander c/o Millennium Management LLC 666 Fifth Avenue New York, New York 10103 Citizenship: United States

(d) Title of Class of Securities: common stock, par value \$0.001 per share ("Common Stock")

(e)CUSIP Number: 042797209

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Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:				
(a) o Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);				
(b) o Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);				
(c) o Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);				
(d) o Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);				
(e) o An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);				
(f) o An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);				

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	(h) o A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
(g) o A parent holding company or control person in accordance with $\$240.13d-1(b)(1)(ii)(G)$;	(i) o A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
Item 4. Ownership	(j) o Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned:

As of the close of business on April 6, 2015:

- i) Integrated Core Strategies (US) LLC, a Delaware limited liability company ("Integrated Core Strategies"), beneficially owned 1,966,084 shares of the Issuer s Common Stock (consisting of 1,266,084 shares of the Issuer s Common Stock and listed options to purchase 700,000 shares of the Issuer s Common Stock);
- ii) ICS Opportunities, Ltd., an exempted limited company organized under the laws of the Cayman Islands ("ICS Opportunities"), beneficially owned 1,329,449 shares of the Issuer s Common Stock; and
- iii) Integrated Assets, Ltd., an exempted limited company organized under the laws of the Cayman Islands ("Integrated Assets"), beneficially owned 334,173 shares of the Issuer s Common Stock.

Millennium International Management LP, a Delaware limited partnership ("Millennium International Management"), is the investment manager to ICS Opportunities and Integrated Assets and may be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Integrated Assets.

Millennium International Management GP LLC, a Delaware limited liability company ("Millennium International Management GP"), is the general partner of Millennium International Management and may also be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Integrated Assets.

Millennium Management LLC, a Delaware limited liability company ("Millennium Management") is the general partner of the managing member of Integrated Core Strategies and may be deemed to have shared voting control and investment discretion over securities owned by Integrated Core Strategies. Millennium Management is also the general partner of the 100% shareholder of ICS Opportunities and Integrated Assets and may be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Integrated Assets.

Israel A. Englander, a United States citizen ("Mr. Englander"), is the managing member of Millennium International Management GP and Millennium Management and may also be deemed to have shared voting control and investment discretion over securities owned by Integrated Core Strategies, ICS Opportunities and Integrated Assets.

The foregoing should not be construed in and of itself as an admission by Millennium International Management, Millennium International Management GP, Millennium Management or Mr. Englander as to beneficial ownership of the securities owned by Integrated Core Strategies, ICS Opportunities or Integrated Assets, as the case may be.

(b) Percent of Class:

As of the close of business on April 6, 2015, Millennium Management and Mr. Englander may be deemed to have beneficially owned 3,629,706 shares or 6.6% of the Issuer s Common Stock outstanding (see Item 4(a) above), which percentage was calculated based on 54,792,649 shares of Common Stock outstanding as of February 5, 2015, as per the Issuer s Form 10-Q dated February 9, 2015.

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of 15 (c) Number of shares as to which such person has:
(i) Sole power to vote or to direct the vote
-0-
(ii) Shared power to vote or to direct the vote
3,629,706 (See Item 4(b))
(iii) Sole power to dispose or to direct the disposition of
-0-
(iv) Shared power to dispose or to direct the disposition of
3,629,706 (See Item 4(b))
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 σ .
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
See Exhibit I.
Item 9. Notice of Dissolution of Group
Not applicable.

Item 10. Certification

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.

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Exhibits:		
Exhibit I: Joint Filing Agreement, dated as of April 6, 2015, by and among Integrated Core Strategies (US) LLC, ICS Opportunities, Ltd., Integrated Assets, Ltd., Millennium International Management LP, Millennium International Management GP LLC, Millennium Management LLC and Israel A. Englander.		

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SIGNATURE				
After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.				
Dated: April 6, 2015				
INTEGRATED CORE STRATEGIES (US) LLC				
By: Integrated Holding Group LP, its Managing Member				
By: Millennium Management LLC, its General Partner				
By: /s/ David Nolan Name: David Nolan Title: Vice Chairman				
ICS OPPORTUNITIES, LTD.				
By: Millennium International Management LP, its Investment Manager				
By: /s/ David Nolan Name: David Nolan Title: Vice Chairman				
INTEGRATED ASSETS, LTD.				
By: Millennium International Management LP, its Investment Manager				
By: /s/ David Nolan				

Name: David Nolan Title: Vice Chairman

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

MILLENNIUM INTERNATIONAL MANAGEMENT GP LLC

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

MILLENNIUM MANAGEMENT LLC

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

/s/ Israel A. Englander by David Nolan pursuant to Power of Attorney filed with the SEC on June 6, 2005 Israel A. Englander

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EXHIBIT I JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the Common Stock, par value \$0.001 per share, of Arrowhead Research Corporation, a Delaware corporation, will be filed on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument

Dated: April 6, 2015

INTEGRATED CORE STRATEGIES (US) LLC

By: Integrated Holding Group LP, its Managing Member

By: Millennium Management LLC, its General Partner

By: /s/ David Nolan Name: David Nolan Title: Vice Chairman

ICS OPPORTUNITIES, LTD.

By: Millennium International Management LP, its Investment Manager

By: /s/ David Nolan Name: David Nolan Title: Vice Chairman

INTEGRATED ASSETS, LTD.

By: Millennium International Management LP, its Investment Manager

By: /s/ David Nolan Name: David Nolan Title: Vice Chairman

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

MILLENNIUM INTERNATIONAL MANAGEMENT GP LLC

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

MILLENNIUM MANAGEMENT LLC

By: /s/David Nolan Name: David Nolan Title: Vice Chairman

/s/ Israel A. Englander by David Nolan pursuant to Power of Attorney filed with the SEC on June 6, 2005 Israel A. Englander