

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of report (Date of earliest event reported) September 10, 2007

Arrowhead Research Corporation

(Exact Name of Registrant as Specified in Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

0-21898
(Commission File Number)

46-0408024
(IRS Employer
Identification No.)

201 South Lake Avenue, Suite 703, Pasadena, CA 91101
(Address of Principal Executive Offices)(Zip Code)

(626) 304-3400
(Registrant's Telephone Number, Including Area Code)

(Former Name or Former Address, If Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 1.02. Termination of a Definitive Material Agreement.

On September 10, 2007, Arrowhead Research Corporation (the "Company") issued to the California Institute of Technology a notice to terminate the sponsored research agreement relating to the work of Dr. C. Patrick Collier, dated as of September 29, 2003. Notice of termination was issued pursuant to the terms of the agreement, and, unless notice of termination is revoked, this agreement will terminate on November 9, 2007.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ARROWHEAD RESEARCH CORPORATION

September 13, 2007

By: /s/ Joseph T. Kingsley

Name: Joseph T. Kingsley

Title: President & Chief Financial Officer