September 9, 2015

Aldeyra Therapeutics to Present Novel Data on a Potential Treatment for Succinic Semi-Aldehyde Dehydrogenase Deficiency at the 2015 American Society of Human Genetics (ASHG) Annual Meeting

LEXINGTON, Mass., Sept. 9, 2015 (GLOBE NEWSWIRE) -- Aldeyra Therapeutics, Inc. (Nasdaq:ALDX) (Aldeyra), a biotechnology company focused on the development of products to treat diseases related to free aldehydes, today announced that novel data on the potential of its lead product candidate, NS2, to treat Succinic Semi-aldehyde Dehydrogenase (SSADH) Deficiency have been accepted for a poster presentation at the upcoming American Society of Human Genetics (ASHG) Annual Meeting, which will take place in Baltimore, Maryland from October 6-10, 2015.

Succinic Semi-aldehyde Dehydrogenase (SSADH) Deficiency is a rare disease caused by mutations in SSADH, leading to elevated levels of succinic semi-aldehyde that are then converted to neurotoxic metabolites. SSADH Deficiency is characterized clinically by neurological compromise that includes cognitive and developmental delay, decreased muscle tone, and, in some cases, seizures.

The poster title and date of the presentation are provided below:

Title: The small molecule aldehyde trap NS2 represents a pharmacological approach to enzyme replacement therapy for SSADH deficiency (SSADHD)

Poster: 477T

Date: Thursday, October 8th

Time: 11:00 a.m. - 12:00 p.m. E.T.

Todd C. Brady, M.D., Ph.D., President and CEO of Aldeyra, commented, "The acceptance of this poster at the ASHG annual meeting represents a significant milestone for the Company as SSADH Deficiency represents the second inborn error of aldehyde metabolism that we intend to treat with NS2. SSADH Deficiency is a rare but serious disease with no FDA-approved therapy. The initial data with NS2 suggest the potential of aldehyde trapping as a novel therapeutic approach."

About NS2

NS2 is an aldehyde-binding small molecule based on an innovative platform technology focused on trapping free aldehydes, which are toxic and pro-inflammatory mediators of numerous diseases. By decreasing aldehyde load, NS2 may mitigate excessive inflammation and address diseases where aldehydes are thought to mediate pathology.

About Aldeyra Therapeutics

Aldeyra Therapeutics, Inc., is a biotechnology company focused primarily on the development of products to treat diseases thought to be related to endogenous free aldehydes, a naturally occurring class of toxic molecules. The company has developed NS2, a product candidate designed to trap free aldehydes. Aldeyra has initiated clinical testing of NS2 for the treatment of Sjögren-Larsson Syndrome and noninfectious anterior uveitis and intends to initiate clinical testing in allergic conjunctivitis. NS2 has not been approved for sale in the U.S. or elsewhere. www.aldeyra.com

Safe Harbor Statement

This release contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, including statements regarding Aldeyra's plans for its product candidates and its financial guidance. In some cases, you can identify forward-looking statements by terms such as "may," "might," "will," "objective," "intend," "should," "could," "can," "would," "expect," "believe," "anticipate," "project," "target," "design," "estimate," "predict," "potential," "aim," "plan" or the negative of these terms, and similar expressions intended to identify forward-looking statements. Such forward-looking statements are based upon current expectations that involve risks, changes in circumstances, assumptions and uncertainties. Aldeyra is at an early stage of development and may not ever have any products that generate significant revenue. Important factors that could cause actual results to differ materially from those reflected in Aldeyra's forward-looking statements include, among others, the timing of enrollment, commencement and completion of Aldeyra's clinical trials, the timing and success of preclinical studies and clinical trials conducted by Aldeyra and its development partners; the ability to obtain and maintain

regulatory approval to conduct clinical trials and to commercialize Aldeyra's product candidates, and the labeling for any approved products; the scope, progress, expansion, and costs of developing and commercializing Aldeyra's product candidates; the size and growth of the potential markets for Aldeyra's product candidates and the ability to serve those markets; Aldeyra's expectations regarding Aldeyra's expenses and revenue, the sufficiency of Aldeyra's cash resources and needs for additional financing; the rate and degree of market acceptance of any of Aldeyra's product candidates; Aldeyra's expectations regarding competition; Aldeyra's anticipated growth strategies; Aldeyra's ability to attract or retain key personnel; Aldeyra's ability to establish and maintain development partnerships; Aldeyra's expectations regarding federal, state and foreign regulatory requirements; regulatory developments in the United States and foreign countries; Aldeyra's ability to obtain and maintain intellectual property protection for its product candidates; the anticipated trends and challenges in Aldeyra's business and the market in which it operates; and other factors that are described in the "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" sections of Aldeyra's Annual Report on Form 10-K for the year ended December 31, 2014 and Aldeyra's Quarterly Report on Form 10-Q for the quarter ended June 30, 2015, which are on file with the Securities and Exchange Commission (SEC) and available on the SEC's website at www.sec.gov.

In addition to the risks described above and in Aldeyra's other filings with the SEC, other unknown or unpredictable factors also could affect Aldeyra's results. No forward-looking statements can be guaranteed and actual results may differ materially from such statements. The information in this release is provided only as of the date of this release, and Aldeyra undertakes no obligation to update any forward-looking statements contained in this release on account of new information, future events, or otherwise, except as required by law.

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