October 5, 2017

Aldeyra Therapeutics Announces Presentation of Novel Data on the Efficacy of ADX-102 in a Model of Succinic Semialdehyde Dehydrogenase Activity at the 2017 American Society of Human Genetics Annual Meeting

Abstract Designated Reviewers' Choice Abstract, Representing Top 10% of Submissions

LEXINGTON, Mass., Oct. 5, 2017 /PRNewswire/ -- Aldeyra Therapeutics, Inc. (NASDAQ: ALDX) (Aldeyra), a clinical-stage biotechnology company devoted to treating inflammation, inborn errors of metabolism, and other diseases related to endogenous aldehyde toxicity, today announced it will present novel data on the efficacy of ADX-102 in a model of Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD) at the 2017 American Society of Human Genetics Annual Meeting, to be held on October 17 - 21 in Orlando, Florida.

The abstract summarizing the data was ranked within the top 10% of submissions, and was designated a Reviewers' Choice Abstract.

SSADHD is a rare inborn error of aldehyde metabolism caused by elevations of succinic semialdehyde, a toxic aldehyde that can lead to severe neurological disability. By trapping succinic semialdehyde, ADX-102 represents a potential novel approach for the treatment of SSADHD.

Details of the presentation are as follows:

Title:	**The novel aldehyde trap ADX-102 reduces accumulations of GHB and GABA in brain tissue from succinic semialdehyde dehydrogenase-deficient mice.**
Presenter:	Susan Macdonald, Ph.D., Vice President of Research and Development at Aldeyra Therapeutics
Date:	Thursday, October 19, 2017 at 2:00PM ET - Orange County Convention Center

About Succinic Semialdehyde Dehydrogenase Deficiency
Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD) is a neurological disease caused by genetic mutations that result in elevated levels of succinic semialdehyde, a toxic aldehyde that can cause severe neurological disease, including motor planning dysfunction, seizures, speech impairment, intellectual disability, and autism. There is currently no FDA-approved therapy for SSADHD.

About Aldeyra Therapeutics
Aldeyra Therapeutics, Inc. is a biotechnology company devoted to improving lives by inventing, developing and commercializing products that treat diseases thought to be related to endogenous aldehydes, a naturally occurring class of pro-inflammatory and toxic molecules. Aldeyra's lead product candidate, ADX-102, is an aldehyde trap in development as topical eye drops for the treatment of ocular inflammation. ADX-102 has now been tested in over 250 patients in Phase 2 clinical trials in dry eye disease, allergic conjunctivitis, and noninfectious anterior uveitis. A dermatologic form of ADX-102 is in late-stage clinical development for the treatment of ichthyosis due to Sjögren-Larsson Syndrome, an inborn error of aldehyde metabolism. ADX-102 has not been approved for sale in the U.S. or elsewhere.

Safe Harbor Statement
This release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding Aldeyra's plans and expectations for the development of ADX-102 and the timing thereof; and the potential of ADX-102 as an agent for the treatment of Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD). Aldeyra intends such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. 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; updated or refined data based on Aldeyra's continuing review and quality control analysis of clinical data, Aldeyra's ability to design clinical trials with protocols and endpoints acceptable to applicable regulatory authorities, 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, 2016 and Quarterly Report on Form 10-Q for the quarter ended June 30, 2017, which are on file with the Securities and Exchange Commission (SEC) and available on the SEC's website at www.sec.gov. Additional factors may be described in those sections of Aldeyra's Quarterly Report on Form 10-Q for the quarter ended September 30, 2017, to be filed with the SEC in the fourth quarter of 2017. All of Aldeyra's development timelines may be subject to adjustment depending on recruitment rate, regulatory review, preclinical and clinical results, and other factors that could delay the initiation or completion of clinical trials.

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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