NEWS RELEASE

Coya Therapeutics to Present Proof-of-Concept Clinical Data for Low-Dose Interleukin-2 (ld IL-2) for the Treatment of Patients with Alzheimer's Disease (AD) at the 2023 Alzheimer's Association International Conference (AAIC)

6/28/2023

- The academic proof-of-concept open-label study evaluated the biological activity, cytokine and chemokine blood biomarkers, safety, and preliminary efficacy of low-dose interleukin-2 (ld IL-2) in 8 patients with mild-to-moderate AD. The study was conducted by Dr. Appel and Dr. Faridar at the Houston Methodist Hospital.
- Coya's investigational low-dose interleukin-2 (ld IL-2) for subcutaneous administration has been designed to enhance in vivo the anti-inflammatory function of regulatory T cells (Tregs).
- Treg dysfunction has been associated with increased neuroinflammation, which is observed in AD and other neurodegenerative diseases, and may contribute to disease severity and progression.

HOUSTON--(BUSINESS WIRE)-- **Coya Therapeutics, Inc.** (NASDAQ: COYA) ("Coya" or the "Company"), a clinical-stage biotechnology company developing multiple therapeutic platforms intended to enhance Treg function, today announced the presentation of results from an academic clinical study in patients with Alzheimer's Disease (AD) with subcutaneous ld IL-2 at the 2023 Alzheimer's Association International Conference (AAIC) to be held in Amsterdam, Netherlands, from July 16-20, 2023.

The proof-of-concept open-label clinical study is the first-of-its-kind evaluating subcutaneous ld IL-2 immunotherapy for the treatment of AD. Patients in the study received investigational ld IL-2 treatment for 4 consecutive months and were evaluated for safety and tolerability, Treg function, blood biomarkers of

inflammation, and clinical functioning as measured by the Clinical Dementia Rating (CDR), the Alzheimer's Disease Assessment Scale–Cognitive Subscale (ADAS-Cog), and the Mini-Mental State Examination (MMSE).

Alzheimer's disease is a progressive neurological condition usually seen in people over the age of 65 in which the death of brain cells causes memory loss and cognitive decline. It is the most common type of dementia, accounting for around 60–80% of cases of dementia in the United States. Alzheimer's disease affects around 5 million people in the US with estimates suggesting that this number will nearly triple by 2060.

The study was conducted by Stanley Appel, M.D. and Alireza Faridar, M.D. at the Houston Methodist Research Institute (Houston, Texas). Dr. Appel is chair of Coya's Scientific Advisory Board and is former chair of the Stanley H. Appel Department of Neurology. He is the director of the Ann Kimball & John W. Johnson Center for Cellular Therapeutics, Professor of Neurology at Weill Cornell Medical College, and the Peggy and Gary Edwards Distinguished Chair for the Treatment and Research of ALS at the Houston Methodist Research Institute.

Presentation details:

- Title: A Phase 1 Clinical Trial of IL-2 in Patients with Alzheimer's Disease: A Regulatory T Cell Expansion Strategy Targeting Inflammation
- Date: July 16, 2023
- Conference: 2023 Alzheimer's Association International Conference (**aaic.alz.org**)

About Coya Therapeutics, Inc.

Headquartered in Houston, TX, Coya Therapeutics, Inc. (Nasdaq: COYA) is a clinical-stage biotechnology company developing proprietary treatments focused on the biology and potential therapeutic advantages of regulatory T cells ("Tregs") to target systemic inflammation and neuroinflammation. Dysfunctional Tregs underlie numerous conditions including neurodegenerative, metabolic, and autoimmune diseases, and this cellular dysfunction may lead to a sustained inflammation and oxidative stress resulting in lack of homeostasis of the immune system. Coya's investigational product candidate pipeline leverages multiple therapeutic modalities aimed at restoring the anti-inflammatory and immunomodulatory functions of Tregs. Coya's lead product candidates, COYA 301 and COYA 302, are biologic therapies intended to enhance Treg function and expand Treg numbers. COYA 301 is a cytokine biologic for subcutaneous administration intended to enhance Treg function and expand Treg numbers in vivo, and COYA 302 is a biologic combination for subcutaneous and/or intravenous administration intended to enhance Treg function while depleting T effector function and activated macrophages. These two mechanisms may be additive or synergistic in suppressing inflammation. For more information about Coya, please visit **www.coyatherapeutics.com**.

Forward-Looking Statements

This press release contains “forward-looking” statements that are based on our management’s beliefs and assumptions and on information currently available to management. Forward-looking statements include all statements other than statements of historical fact contained in this presentation, including information concerning our current and future financial performance, business plans and objectives, current and future clinical and preclinical development activities, timing and success of our ongoing and planned clinical trials and related data, the timing of announcements, updates and results of our clinical trials and related data, our ability to obtain and maintain regulatory approval, the potential therapeutic benefits and economic value of our product candidates, competitive position, industry environment and potential market opportunities. The words “believe,” “may,” “will,” “estimate,” “continue,” “anticipate,” “intend,” “expect,” and similar expressions are intended to identify forward-looking statements.

Forward-looking statements are subject to known and unknown risks, uncertainties, assumptions and other factors including, but not limited to, those related to risks associated with the impact of COVID-19; the success, cost and timing of our product candidate development activities and ongoing and planned clinical trials; our plans to develop and commercialize targeted therapeutics; the progress of patient enrollment and dosing in our preclinical or clinical trials; the ability of our product candidates to achieve applicable endpoints in the clinical trials; the safety profile of our product candidates; the potential for data from our clinical trials to support a marketing application, as well as the timing of these events; our ability to obtain funding for our operations; development and commercialization of our product candidates; the timing of and our ability to obtain and maintain regulatory approvals; the rate and degree of market acceptance and clinical utility of our product candidates; the size and growth potential of the markets for our product candidates, and our ability to serve those markets; our commercialization, marketing and manufacturing capabilities and strategy; future agreements with third parties in connection with the commercialization of our product candidates; our expectations regarding our ability to obtain and maintain intellectual property protection; our dependence on third party manufacturers; the success of competing therapies or products that are or may become available; our ability to attract and retain key scientific or management personnel; our ability to identify additional product candidates with significant commercial potential consistent with our commercial objectives; and our estimates regarding expenses, future revenue, capital requirements and needs for additional financing.

We have based these forward-looking statements largely on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy, short-term and long-term business operations and objectives, and financial needs. Moreover, we operate in a very competitive and rapidly changing environment, and new risks may emerge from time to time. It is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to

which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements we may make. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances discussed herein may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. Although our management believes that the expectations reflected in our forward-looking statements are reasonable, we cannot guarantee that the future results, levels of activity, performance or events and circumstances described in the forward-looking statements will be achieved or occur. We undertake no obligation to publicly update any forward-looking statements, whether written or oral, that may be made from time to time, whether as a result of new information, future developments or otherwise.

Investor Contact

David Snyder
david@coyatherapeutics.com

Hayden IR
James Carbonara
(646)-755-7412
James@haydenir.com

Media Contact

Ari Zoldan
Quantum Corp.
ari@quantum-corp.com

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