NEWS RELEASE

Coya Therapeutics Announces the Presentation of Human Ex-Vivo Mechanistic Data Further Supporting the Development of COYA 302 for Amyotrophic Lateral Sclerosis (ALS) at the 22nd Annual Northeast ALS (NEALS) Consortium Meeting

10/3/2023

- The scientific poster highlights the role of pro-inflammatory macrophages and monocytes in reducing regulatory T cell (Treg) immunomodulatory suppressive function and the anti-inflammatory effect of Treg-enhancing therapies combined with drugs that suppress M1 pro-inflammatory activated monocytes and macrophages in ALS;
- COYA 302 is a dual-mechanism investigational biologic combination comprised of proprietary low dose interleukin-2 (LD IL-2) and CTLA-4 Ig and is being investigated for the treatment of ALS.

HOUSTON--(BUSINESS WIRE)-- **Coya Therapeutics, Inc.** (Nasdaq: COYA) (“Coya” or the “Company”), a clinical-stage biotechnology company developing biologics and cell therapies intended to enhance the function of Tregs, today announced the acceptance and presentation of a poster at the 22nd Annual Northeast ALS (NEALS) Consortium Meeting on October 4th, 2023.

The experimental data generated in samples from ALS patients highlight the role of M1 pro-inflammatory monocytes and macrophages in reducing the immunomodulatory anti-inflammatory function of Tregs. Also documented is the significant effect of combination therapies that both enhance Treg function and suppress M1 activated macrophages and monocytes resulting in the reduction of pro-inflammatory cytokines known to be involved in inflammatory response and tissue damage. Results of this study reinforce the potential of COYA 302 that may address the complex pathophysiology and multiple pathways involved in the progression and severity of

ALS.

Fred Grossman, President and Chief Medical Officer said, “The data being presented provides additional mechanistic rationale and support for combination therapies targeting multiple immune pathways in ALS.”

Details of the poster presentation at the NEALS Annual Meeting are as follows:

Date: October 5th, 2023
Title: Monocytes/Macrophages Impair Regulatory T-Lymphocyte Suppressive Function
Poster Number: 132

For Conference Information visit: **https://neals.org/als-researchers/annual-neals-meeting**

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 therapeutic programs includes Treg-enhancing biologics (COYA 300 Series product candidates) COYA 301 and COYA 302, which are intended to enhance Treg function and expand Treg numbers. COYA 301 is a proprietary investigational recombinant human low dose IL-2 biologic for subcutaneous administration intended to enhance Treg function and expand Treg numbers in vivo, and COYA 302 is a dual-mechanism investigational biologic combination comprised of proprietary low dose IL-2 and CTLA-4 Ig. The low dose IL-2 is intended to enhance anti-inflammatory regulatory T cell function and numbers while the fusion protein CTLA-4 Ig is intended to suppress pro-inflammatory cell function. 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.

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