Cognition Therapeutics Presents Complete EEG Findings from SEQUEL Study of CT1812 in Mild-to-Moderate Alzheimer's Disease at CTAD

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PURCHASE, N.Y., Oct. 24, 2023 (GLOBE NEWSWIRE) -- Cognition Therapeutics, Inc., (Nasdaq: CGTX), (the "Company" or "Cognition") announced that Willem de Haan, M.D., Ph.D., a neurologist and senior researcher at the Amsterdam University Medical Centers' Alzheimer Center, is presenting complete EEG findings from the Phase 2 SEQUEL study at the Clinical Trials on Alzheimer's Disease (CTAD) conference. SEQUEL was conducted at the Amsterdam UMC in the Netherlands with Everard (Jort) Vijverberg, M.D., Ph.D., acting as principal investigator. The poster describing changes in brain wave patterns in adults with mild-to-moderate Alzheimer's disease following 28-days of treatment with CT1812 or placebo will be on display through the conclusion of CTAD.

In the SEQUEL study, CT1812-treated participants exhibited a statistically significant change in relative theta in the central region of the brain and consistent trends of improvement across all prespecified EEG parameters. In particular, improvements were seen in global relative theta power (p=0.123) and in global relative alpha power (p=0.149), as well as in connectivity, as assessed by alpha AECc (p=0.034), which may indicate improved communication between different parts of the brain.

Synaptic dysfunction is observed early in the Alzheimer's disease process and is correlated with subsequent cognitive decline. There is substantial evidence to believe that quantitative electroencephalography (qEEG) can be used to measure this decline of electrical activity in the brain. In Alzheimer's disease, cognitive decline is associated with increasing prominence of slower EEG frequencies (4-8 Hz) termed "theta" and a declining prominence of "alpha" frequencies (8-12 Hz), which are the dominant brainwaves in cognitively normal individuals. The measures of connectivity between regions of the brain are believed to be as critical as regional measures of brain activity when assessing disease.

"CT1812 treatment showed improvement of EEG parameters that are consistent in magnitude and effect size with previously reported trials," explained Dr. de Haan. "Notably, these positive changes occurred after only a short treatment interval. To see this measurable result in a matter of weeks in individuals with mild-to-moderate disease is exciting and provides optimism that CT1812 is altering underlying Alzheimer's disease processes."

The poster being presented by Dr. de Hann will be available on the Cognition Therapeutics website along with additional content relevant to the company's CTAD presentations at https://cogrx.com/ctad-2023.

About CT1812
CT1812 is an experimental orally delivered small molecule sigma-2 (σ-2) receptor modulator designed to penetrate the blood-retinal barrier and bind selectively and saturably to the σ-2 receptor complex. The σ-2 receptor complex is involved in the regulation of key cellular processes such as membrane trafficking and autophagy that are damaged by toxic interaction with soluble beta amyloid (Aβ) oligomers, oxidative stress and other stressors. Cognition's clinical program will assess if regulating these processes by modulating the σ-2 receptor with CT1812 can maintain homeostatic function.

About the SEQUEL Study
The SEQUEL study enrolled 16 adults with mild-to-moderate Alzheimer's disease (MMSE 18-26), each of whom were randomized to receive either CT1812 or placebo once daily for 28 days. After a 14-day wash-out period, participants cross over into the other treatment arm for an additional 28 days. SEQUEL was designed to assess the safety and efficacy of CT1812 and to measure the impact of CT1812 on the electrical activity in the brain, specifically those electrical impulses in the theta band.

SEQUEL was supported by $5.3 million in grant awards (R01AG058710) by the National Institute of Aging (NIA) of the National Institutes of Health (NIH).

About Cognition Therapeutics, Inc.
Cognition Therapeutics, Inc. is a clinical-stage biopharmaceutical company engaged in the discovery and development of innovative, small molecule therapeutics targeting age-related degenerative disorders of the central nervous system and retina. We are currently investigating our lead candidate CT1812 in clinical programs in Alzheimer's disease, dementia with Lewy bodies (DLB) and dry age-related macular degeneration (dry AMD). We believe CT1812 and our pipeline of σ-2 receptor modulators can regulate pathways that are impaired in these diseases. We believe that targeting the σ-2 receptor with CT1812 represents a mechanism functionally distinct from other current approaches in clinical development for the treatment of degenerative diseases. More about Cognition Therapeutics and its pipeline can be found at https://cogrx.com

Forward-Looking Statements
This press release contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. All statements contained in this press release, other than statements of historical facts or statements that relate to present facts or current conditions, including but not limited to, statements regarding our product candidates, including CT1812, and any expected or implied benefits or results, including that initial clinical results observed with respect to CT1812 will be replicated in later trials and our clinical development plans, are forward-looking statements. These statements, including statements relating to the timing and expected results of our clinical trials involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance, or achievements to be materially different from any future results, performance, or achievements expressed or implied by the forward-looking statements. In some cases, you can identify forward-looking statements by terms such as "may," "might," "will," "should," "expect," "plan," "aim," "seek," "anticipate," "could," "intend," "target," "project," "contemplate," "believe,"

“estimate,” “predict,” “forecast,” “potential” or “continue” or the negative of these terms or other similar expressions. We have based these forward-looking statements largely on our current expectations and projections about future events and financial trends that we believe may affect our business, financial condition, and results of operations. These forward-looking statements speak only as of the date of this press release and are subject to a number of risks, uncertainties and assumptions, some of which cannot be predicted or quantified and some of which are beyond our control. Factors that may cause actual results to differ materially from current expectations include, but are not limited to: competition; our ability to secure new (and retain existing) grant funding; our ability to grow and manage growth, maintain relationships with suppliers and retain our management and key employees; our ability to successfully advance our current and future product candidates through development activities, preclinical studies and clinical trials and costs related thereto; uncertainties inherent in the results of preliminary data, pre-clinical studies and earlier-stage clinical trials being predictive of the results of early or later-stage clinical trials; the timing, scope and likelihood of regulatory filings and approvals, including regulatory approval of our product candidates; changes in applicable laws or regulations; the possibility that the we may be adversely affected by other economic, business or competitive factors, including ongoing economic uncertainty; our estimates of expenses and profitability; the evolution of the markets in which we compete; our ability to implement our strategic initiatives and continue to innovate our existing products; our ability to defend our intellectual property; the impact of the COVID-19 pandemic on our business, supply chain and labor force; and the risks and uncertainties described more fully in the “Risk Factors” section of our annual and quarterly reports filed with the Securities Exchange Commission and are available at www.sec.gov. These risks are not exhaustive and we face both known and unknown risks. You should not rely on these forward-looking statements as predictions of future events. The events and circumstances reflected in our forward-looking statements may not be achieved or occur, and actual results could differ materially from those projected in the forward-looking statements. Moreover, we operate in a dynamic industry and economy. New risk factors and uncertainties may emerge from time to time, and it is not possible for management to predict all risk factors and uncertainties that we may face. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise.

Contact Information:
Cognition Therapeutics, Inc.
info@cogrx.com

Casey McDonald (media)
Tiberend Strategic Advisors, Inc.
cmcdonald@tiberend.com

Daniel Kontoh-Boateng (investors)
Tiberend Strategic Advisors, Inc.
dboateng@tiberend.com