

# Humanitarian Grant Awarded for Preclinical Study on the Impact of NAD Precursor Vitamins on Milk Bioactive Production and Brain Development in Rodents

2019-10-07

LOS ANGELES, Oct. 07, 2019 (GLOBE NEWSWIRE) -- Dr. Charles Brenner, the Roy J. Carver Chair and Head of Biochemistry at the University of Iowa, receives a research grant from the Bill & Melinda Gates Foundation to study the effects of NAD-boosting supplements on the production of bioactive factors in milk and the effect of the supplements on brain development in animals.

Dr. Brenner explained that his previous research indicated that a new mother's body does everything in its power to provide for the needs of her offspring: mobilizing her own protein, fat and carbohydrate to make milk, mobilizing her own NAD precursors for the offspring, and producing bioactive factors important for the brain and physical development of her offspring. The new mother's body does so much that she experiences postpartum as a metabolic stress.

"We addressed postpartum metabolic stress with nicotinamide riboside (NR) – an important NAD precursor [or booster] - and discovered that these supplemented mothers are more capable of caring for their offspring, produce more nutritious milk, and spend more time in nursing behavior, thereby giving their offspring lasting neurodevelopmental advantages," said Dr. Brenner. "With this new project, we are keen to identify the degree to which NR is uniquely capable of increasing expression of brain-derived neurotrophic factor (BDNF), a naturally occurring compound critical for brain development."

Dr. Brenner's work on postpartum as a metabolic stress piqued the interest of the foundation, particularly as it may relate to human mothers who live in conditions of sub-optimal nutrition and other types of stress. At a convening

on maternal health, the foundation previewed Dr. Brenner's work **published earlier this year in the journal Cell Reports**, which showed that supplementation with NR in animal models confers significant and enduring physiological benefits to mothers and their offspring.

NR is also known as Niagen®, a form of vitamin B3 exclusively licensed by ChromaDex (NASDAQ:CDXC). In 2004, Dr. Brenner discovered the vitamin activity of NR through a gene pathway that is activated when cells are under metabolic stress. He serves as chief scientific advisor for ChromaDex.

"Through Dr. Brenner's research on NR we can potentially improve the wellbeing of mothers and their children in vulnerable populations," said ChromaDex CEO Rob Fried. "This is an exciting opportunity to support the humanitarian and scientific efforts of the foundation."

For additional information on the science supporting Niagen (nicotinamide riboside), please visit [www.chromadex.com](http://www.chromadex.com).

About ChromaDex:

**ChromaDex Corp.** is a science-based integrated nutraceutical company devoted to improving the way people age. ChromaDex scientists partner with leading universities and research institutions worldwide to uncover the full potential of NAD and identify and develop novel, science-based ingredients. Its flagship ingredient, **NIAGEN®** nicotinamide riboside, sold directly to consumers as **TRU NIAGEN®**, is backed with clinical and scientific research, as well as extensive IP protection. TRU NIAGEN® is helping the world AGE BETTER®. ChromaDex maintains a website at [www.chromadex.com](http://www.chromadex.com) to which ChromaDex regularly posts copies of its press releases as well as additional and financial information about the Company.

Forward-Looking Statements:

This release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities and Exchange Act of 1934, as amended. Statements that are not a description of historical facts constitute forward-looking statements and may often, but not always, be identified by the use of such words as "expects", "anticipates", "intends", "estimates", "plans", "potential", "possible", "probable", "believes", "seeks", "may", "will", "should", "could" or the negative of such terms or other similar expressions. More detailed information about ChromaDex and the risk factors that may affect the realization of forward-looking statements is set forth in ChromaDex's Annual Report on Form 10-K for the fiscal year ended December 31, 2018, ChromaDex's Quarterly Reports on Form 10-Q and other filings submitted by ChromaDex to the SEC, copies of which may be obtained from the SEC's website at [www.sec.gov](http://www.sec.gov). Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof, and actual results may differ materially from those suggested by these forward-looking statements. All forward-looking statements are qualified in their entirety by this cautionary statement and ChromaDex undertakes no obligation to revise or update this

release to reflect events or circumstances after the date hereof.

ChromaDex Media Contact:

Alex Worsham, Senior Director of Global Corporate Communications

310-388-6706 ext. 689

**alexw@chromadex.com**

ChromaDex Investor Relations Contact:

Brianna Gerber, Senior Director of FP&A and Investor Relations

949-419-0288 ext. 127

**briannag@chromadex.com**

Source: ChromaDex Corporation