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# The NO-Age and NO-AD Seminar Series 015

**‘GERO, a Chilean aging center focused on brain functions’**

*by*

Prof. Christian González-Billault  
Universidad de Chile

*at*

14:00-15:00 (CET), on Monday, 29<sup>th</sup> March 2021

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**Speaker:** Christian González-Billault (Director, Geroscience Center for Brain Health and Metabolism(GERO))

**Title:** 'GERO, a Chilean aging center focused on brain functions'

**Abstract:**

The world is aging at an incredible fast pace and Chile is not the exception. Currently, we are the second country showing the longest life expectancy in America after Canada. It is expected that by 2050, one in four Chileans will be older than 65 years. Since aging is the main risk factor for neurodegenerative disease, the research at GERO is focused in understanding the consequences on aging for brain functions. In this presentation, I will introduce the GERO cohort study that was initiated in 2018 and will discuss cell and molecular studies intended to generate cell-based models for the study on the aged brain. We will discuss aspects linking reactive oxygen species' role in neurons and also how to develop suitable models to understand aging in human cells.

**Biography:**

Biochemist, Universidad de Chile

PhD Cell Molecular Biology, Centro Biología Molecular Severo Ochoa, Madrid, Spain

Full Professor at Dept Biology, Faculty of Science and Dept Neuroscience, Faculty of Medicine, Universidad de Chile  
Adjunct Professor, The Buck Institute for Research on Aging, USA

Currently, Director of the Geroscience Center for Brain Health and Metabolism (GERO), a 10 years program grant to create an aging center in Chile.

Also, Council Member of the International Society for Neurochemistry (ISN), President of the Chilean Society for Neuroscience, Member of the International Advisory Committee of DORA and first Chilean EMBO Member