



HARVARD SCHOOL OF PUBLIC HEALTH

Department of Immunology and Infectious Diseases, Adjunct Professor



THE BUCK INSTITUTE FOR RESEARCH ON AGING

Adjunct Professor

UNIVERSITY OF CHILE

Institute of Biomedical Sciences, Full Professor

Claudio Hetz, Ph.D.



Universidad de Chile



Santiago, 11 of November 2016

The **Biomedical Neuroscience Institute** ([www.bni.cl](http://www.bni.cl)) and the laboratory of Cellular Stress and Biomedicine of the **University of Chile** is seeking a highly-qualified and motivated applicant for a full time

#### Post-Doc Positions:

Two positions funded by international grants are available for a 2 to 3 year period. Starting date: March 2017 or upon agreement.

#### Project:

The two projects is part of a larger initiative involving collaboration with different labs in the US, Europe and Chile. This laboratory focuses on understanding the molecular basis of organelle stress and its relationship to pathological conditions affecting the nervous system, and the development of prototypic therapies to prevent this damage. The project aims to the study cellular strategies involved in adaptation to chronic endoplasmic reticulum (ER) stress. The ER has important cellular functions, highlighting its role as sophisticated machinery for protein folding and secretion. ER stress engages an integrated signaling pathway known as the "Unfolded Protein Response" (UPR), which aims to restore homeostasis. Nevertheless, the mechanisms that control the transition from an adaptive state to cell death processes remain unknown and is a central subject of our research. We are currently developing a systematic approach to underscore the effects of targeting the UPR in several brain diseases. He/she investigates signal transduction pathways regulating stress pathways (UPR, autophagy and apoptosis). Furthermore, he/she supports the Chair in teaching and student supervision.

#### Qualifications:

Candidates are expected to hold a PhD in Biology or similar education, preferentially with several years of experience. Furthermore, a strong practical and theoretical background and experience in protein biochemistry, cell biology, molecular biology and/or animal experimentation is of advantage. Good English language skills required, German advantageous.

Complete **applications**, including CV, publication list and 2 references should be submitted to Dr. Claudio Hetz ([chetz@hsph.harvard.edu](mailto:chetz@hsph.harvard.edu)) or call +56 (2) 29786506. Website: [www.hetzlab.cl](http://www.hetzlab.cl)

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