



POSTDOCTORAL POSITIONS

Two postdoctoral positions to study the cognitive consequences of age-related hearing loss and stress are available at the **auditory and cognition center (AUCO)**. These postdoctoral positions are funded by the project *"From Presbycusis to Dementia. A basic and clinical approach"* from the PIA-CONICYT program: **Anillo de Investigación en Ciencia ACT1403**. This collaborative project includes three laboratories directed by Paul Delano (Universidad de Chile), Carolina Delgado, (Universidad de Chile) and Alexies Dagnino (Universidad de Valparaíso). (www.auco.cl)

In particular, the first eligible postdoctoral researcher will analyze brain-imaging data with magnetic resonance. In addition, the postdoctoral researcher will have to analyze cognitive, behavioral and audiological data from **human subjects**, including controls and presbycusis patients at the **Clinical Hospital of the Universidad de Chile in Santiago, Chile**.

Requisite and expected skills (Postdoc 1):

- PhD in engineering, biomedical sciences or public health.
- Expertise in programming in different languages (C, R, Matlab, etc.).
- Ability to work in an interdisciplinary group of researchers.

The second eligible postdoctoral position to study the cognitive consequences of stress is available at the auditory and cognition center (AUCO). We use rodent models to elucidate the mechanisms by which stress leads to psychiatric and medical disorders including dementia and depression. Specific interests include elucidating the basis of the impact of chronic stress on neural circuit that modulates auditory attention during adulthood and aging. Our approaches span from basic histology to in vivo recording in behaving rats. In particular, the eligible postdoctoral researcher will perform in vivo recording in the auditory cortex of stressed rats during an attentional task at Dr. Dagnino Lab (www.stress.cl).

Requisite and expected skills (Postdoc 2):

- PhD in Neurosciences, physics, engineering, biological or biomedical sciences (degree after 2012).
- Basic histology.
- In vivo recording in behaving rodent is mandatory.
- Signal analysis (Matlab, etc.).
- Ability to work in an interdisciplinary group of researchers.

The postdoctoral researchers must have full availability (**44 h per week**), and the expected beginning of this postdoctoral position is on **March 1th, 2017**. The offered salary is **1,200,000 CLP** monthly, for one year renewable for another year, depending on the evaluation performed by the principal investigators.

Applications

Send an email with your CV and cover letter to: phdelano@gmail.com; carodede@gmail.com and alexies.dagnino@uv.cl including the contact information of two references. **Application deadline: 31th December, 2016.** The non-selected and selected applicants will be informed by email near 15th January, 2017. Granted postdoctoral fellows at the AUCO center are expected to apply with the principal investigators of the AUCO center in May 2017 for postdoctoral Fondecyt funding. (<http://www.conicyt.cl/fondecyt/category/concursos/postdoctorado/>)