

**Public competition for a Postdoctoral Position in the Ring Associative Project
ACT172066**

APPLICATION CODE: 2018-01

In the context of the Project Investigation Ring of Science and Technology 2017 ACT172066, entitled "Mechanisms of Autophagy in Obesity" financed by the Associative Investigation Program (PIA) of CONICYT, we are opening a public competition for one post-doctoral position in the laboratory of Dr. Eugenia Morselli. The information regarding the competition is published in the web-page of the "Pontificia Universidad Católica de Chile", of the Faculty of Dentistry of the "Universidad de Chile", on the web pages of Chilean Scientific Societies (Biochemistry and Cell Biology, Physiology and Cell Biology) and in the "redbionova" web page.

GENERAL INFORMATION

Through this Project we will study the different types of autophagy (microautophagy, macroautophagy and chaperone-mediated autophagy) in hypothalamic neurons, specifically in anorexigenic pro-opiomelanocortin neurons (POMC). With this project we aim to study the cross-talk among the different types of autophagy in POMC neurons both in physiological and pathological (high fat diet-induced obesity) conditions. Selected candidates will be team-working with the members of Morselli's lab, as well as the other members of the laboratories involved in the Project ACT172066, in order to advance and realize in the objectives proposed in the aforementioned project.

POSITION:

1. Postdoctoral Investigator in Cellular Biology: Doctoral degree in Science, Cellular and Molecular Biology, Pharmacology or Biomedical Sciences. The investigator should be experienced in cell biology lab-techniques, animal handlings (mice), preparation of primary cultures of neurons and cytofluorimetry. The researcher has to demonstrate this experience by international publications in peer-reviewed science journals. Experience in the handling of investigation projects and fluency in oral and written English is requested.

REQUIREMENTS

- At the time of the application the candidate has to possess a professional title and a doctoral degree in the requested field.
- The candidate has to demonstrate abilities in leadership, organization, planning and efficient communication.

BENEFITS

- The selected candidate will obtain a 12 months contract as Postdoctoral investigator. The Postdoctoral Investigator will be asked to work 22 hours per week with a gross income of \$ 700,000 CLP/month (~1100 USD).
- The Postdoctoral Investigator will be part of a team of experienced and highly productive basic scientists with a specific interest in cell and molecular biology, physiology and biomedicine.

ACTIVITIES TO BE PERFORMED

- Maintenance of different lines of transgenic mice.
- Sorting of primary cultures of POMC neurons
- Plan, supervise and realize experiments in primary cultures of hypothalamic neurons obtained from POMC-EGFP mice.
- Maintenance of brain organotypic cultures

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- Realize experiments to study the different types of autophagy
- Writing of scientific progress reports and apply to competitive research grants.

Documents required for the application

- Letter of application addressed to Prof. Alfredo CRIOLLO.
- Curriculum vitae. In the Curriculum vitae the applicant has to detail his/her relevant qualifications, teaching and investigation experience. At least two referees (full name, address, phone and e-mail) have to be indicated in the CV.
- 1 support letter.
- Copy of certificate/professional title.
- Copy of the doctoral degree.

Selection Procedure

The selection committee, integrated by the Principal Investigators of the Project (Drs. Alfredo Criollo, Mauricio Budini, Patricia Burgos and Eugenia Morselli), will select 3 candidates that will pass to the interview. The committee will then interview these candidates and select one of them based on formation and experience (30%), support letter (15%) and personal interview (55%). The results will be published before the 30th of July 2018.

The selected candidate will start the new job the 1st of August 2018 in Santiago de Chile.

Reception of the documents

The documents required for the application have to be sent by mail to Dr. Alfredo Criollo, Director Proyecto Anillo, Sergio Livingstone P. 943, Independencia, Santiago, Chile, Facultad de Odontología, Universidad de Chile.

Note: indicate the code of the application (2018-01).

In case of questions please contact: María de Los Ángeles Muñoz, e-mail: anilloautophagy@gmail.com

Postulation Dates

From 15th of June 2018 to 15th of July 2018

Results

The results will be published the 28th of July, at latest.

All the applicants will receive by e-mail a formal letter with the results of the competition.

OBSERVATIONS:

The job will start the 1st of August 2018, the selected subject has to be in conditions of starting the new job in Santiago de Chile on the indicated date.

The applications that do not contain all the requested documents will not be considered.

The commission has the right to leave the contest void, if the candidates do not meet the requested requirements, there will be no waiting list.

The documents that the commission will receive will not be sent back to the applicants.

Note: The University of Chile is an institution that does not discriminate for sex, gender, ethnicity, country of origin, religion or other characteristics that represent the individual identity.

Availability

Immediate