



# UCSC



## Call for Applications: Postdoctoral Fellowship 2019

Universidad Católica de la Santísima Concepción

Concepción, Chile

Universidad Católica de la Santísima Concepción's mission is to promote and consolidate our research in science and technology, as well as the humanities and social sciences. As part of our strategy to position UCSC at a national and international level in the generation of knowledge that contributes to society, we are receiving applications for postdoctoral fellowships in order to contribute to research in:

- Center for Research on Biodiversity and Sustainable Environments (CIBAS - [www.cibas.cl](http://www.cibas.cl))
- Center for Research on Education and Development (CIEDE - [ciede.ucsc.cl](http://ciede.ucsc.cl))
- Other key areas for the University

In this context, national and foreign researchers with a doctoral degree are invited to apply for a UCSC postdoctoral fellowship. Candidates who are accepted for a postdoctoral position will be provided with facilities and equipment to carry out research in this call's areas of interest, as well as research support mechanisms.

### Benefits of the UCSC Postdoctoral Fellowship.

- Full-time dedication to the development of research, with no teaching obligations.
- Monthly salary of \$1,000,000 Chilean Pesos, after taxes, for 1 year, with the possibility to renew for a 2nd year, depending on performance.
- Incentive for scientific production.
- Support and sponsorship from the Institution, Centers and/or UCSC researchers when applying for external funding.

### Requirements

- Chilean or foreigner with a doctoral degree awarded from a national or international university, obtained between **January of 2016 and March of 2019**.
- Demonstrated outstanding scientific production.
- Selected candidates will be obligated to apply for FONDECYT Postdoctoral funding during the year they are sponsored by the UCSC, and maintain a minimum annual scientific productivity affiliated to the UCSC. See the following link for more information on the FONDECYT Postdoctoral funding (in Spanish):  
<https://www.conicyt.cl/fondecyt/2018/11/15/fondecyt-postdoctorado-2020/>



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### Research Areas

For the present call, **CIBAS** has defined the following research areas:

- CIBAS\_1. Bioproducts and biopolymers derived from biomass.
- CIBAS\_2. Biocatalysis and/or uses of enzymes in bioresources.
- CIBAS\_3. Trophic ecology in coastal marine systems.
- CIBAS\_4. Terrestrial and aquatic biogeochemical footprint.
- CIBAS\_5. Geochemical characterization of urban sedimentable dust.
- CIBAS\_6. Surface hydrology and evaluation of environmental models.
- CIBAS\_7. Ecology of river ecosystems and/or fish ecology.
- CIBAS\_8. Physiology, reproductive ecology and ecological stoichiometry of marine animals.
- CIBAS\_9. Software engineering aimed at developing applications for human health.

For the present call, **CIEDE** has defined the following research areas:

- CIEDE\_1. Integration of ICT in educational innovation and teacher training
- CIEDE\_2. Discourse and argumentative practices
- CIEDE\_3. Writing in Higher Education
- CIEDE\_4. Initial reading: learning and teaching practices

For key research areas, the following areas of interest have been defined:

- AP\_1. Natural disasters: Earthquakes, tsunamis, alluviums
- AP\_2. Catalytic photooxidation of organic pollutants using nanocomposites
- AP\_3. Heterogeneous catalytic ozonation of volatile organic compounds using nanomaterials

### Application

The following documents should be sent to [dii@ucsc.cl](mailto:dii@ucsc.cl) by February 28th, 2019:

- Current CV
- Cover letter, including current and perspective research areas
- Copy of doctoral degree

Applicants must **NOT** have previously been awarded Fondecyt Postdoctoral funding.

For further information, please contact:

Mr. Cristian San Martín Villarroel,

Office of Research

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