

FONDECYT postdoctoral research projects in Physics, Astronomy, and Physics Education at Universidad Metropolitana de Ciencias de la Educación (Santiago, Chile)

The Department of Physics of Universidad Metropolitana de Ciencias de la Educación (UMCE) in Santiago, Chile, is seeking to expand its research activities. For this purpose, it is searching for candidates who may propose research projects to the Chilean National Fund for Science and Technology (FONDECYT) with the sponsorship of UMCE faculty members and, if successful, carry them out at the Department of Physics.

The Physics research faculty at UMCE includes the following (for recent publications, see <https://www.umce.cl/index.php/dpto-fisica-publicaciones>):

- Prof. Luis Barrera (luis.barrera@umce.cl): Solar System, stellar astrophysics
- Prof. Mauricio Contreras (mauricio.contreras@umce.cl): theoretical physics, econophysics
- Prof. Cristián Cortés (cristian.cortes@umce.cl): stellar astrophysics, variable stars, chemical abundances
- Prof. Jorge Pinochet (jorge.pinochet@umce.cl): physics education, astronomy education
- Prof. Andreas Reisenegger (andreas.reisenegger@umce.cl): high-energy astrophysics, neutron stars, astrophysical constraints on fundamental physics

Chile hosts many of the largest telescopes in the world, 10% of whose observing time is reserved to scientists in the country. It will also be the site of several next-generation telescopes, including the Vera C. Rubin Observatory (LSST), the Giant Magellan Telescope (GMT), the European Extremely Large Telescope (E-ELT), and the Cherenkov Telescope Array (CTA). Santiago has become an important center for Physics and Astronomy, with research groups at several universities as well as the local ESO and ALMA centers.

FONDECYT is expected to make the next of its yearly calls in August 2020, for 2- or 3-year postdoctoral projects starting around April 2021 and covering the researcher's salary, research expenses, and a relocation allowance. For reference, the previous call can be found at <https://www.anid.cl/concursos/concurso/?id=281>. We expect that FONDECYT will require candidates to have obtained their PhD no earlier than January 1, 2017, except for female applicants who have had children since that date, for whom the date would be January 1, 2016.

Anticipating the next call, we encourage potential candidates to contact as soon as possible the faculty member closest to their research interests, sending them their CV (including actual or expected PhD graduation date and a list of refereed publications) and a brief description of their research interests. For general questions regarding this call, please contact Prof. Andreas Reisenegger (andreas.reisenegger@umce.cl).