

Postdoctoral position for simulations on supermassive black hole formation and growth

The "Millennium Nucleus for Transversal Research and Technology to explore Supermassive Black Holes" ([TITANS](#)) announces a call for a postdoctoral position on computational modeling in the context of black hole formation, growth or accretion. The position will be initially for two years, including the possibility of a one-year extension based on a performance evaluation. We are particularly interested in candidates with strong experience in 3D (magneto-)hydrodynamical and/or N-body simulations, including codes such as Gizmo and AMUSE, and/or experience in cosmological simulations of galaxy formation/evolution. Candidates for the position should also be interested in working with students and ideally have some experience with the supervision of students already. Computational modeling in TITANS is led by Profs. S. Bovino, N. Leigh, D. Schleicher (U. de Concepción) and Prof. A. Escala (U. de Chile).

The Nucleo provides a competitive salary, travel support, as well as a stimulating research environment, currently including 10 main researchers, 6 postdocs, and 25 Ph.D. and Masters students. Computational facilities for the simulations are both available in Concepción as well as in the National Laboratory for Supercomputing.

The Nucleo actively seeks to balance its gender and other minority presence. Applicants requiring part time employment to share time with caring responsibilities are also encouraged. Flexible working hours, and partial work-at-home or tele-commuting are also open to discussion. Please contact S. Bovino (stefanobovino@udec.cl) for details.

Interested applicants should submit [here](#) the following materials as a single pdf file: a CV with publication list, statements of previous (1-2 pages) and proposed (1-2 pages) research, contact information for three recommendation letter writers as well as a one-page document detailing their experience and/or interest in the supervision of students. We encourage applicants to contact team members ahead of submission. The deadline for applications is February 25; applications will be accepted until the position is filled.

Included Benefits:

The benefits of the position include travel support and logistic support for the arrival in Chile.