

1 post-doctoral researcher position on gravitational wave, compact object and stellar astrophysics at the Geneva Observatory of the University of Geneva

Applications are invited for 1 post-doctoral researcher position in theoretical and computational astrophysics at the Geneva Observatory of the University of Geneva. The successful candidate will work within the group of Prof. Tassos Fragos on the fields of compact-object formation, gravitational wave astrophysics and the evolution of massive binary stars.

The potential research projects focus on understanding the formation of binaries containing compact objects, black holes and neutron stars, including gravitational wave sources and accreting compact objects. The candidate will also contribute to the development of next-generation simulation tools for the study of compact-object binary populations. Furthermore, they will be members of an international network of collaborating institutions in Europe and the United States, which will give them the opportunity for extended visits in one or more of the collaborating institutions. The candidate will be encouraged to devote up to 20% of his/her time on developing his/her own independent research program and collaborating with other researchers at the Geneva observatory.

The Geneva Observatory and the associated Laboratory of Astrophysics of the Swiss Federal Institute of Technology in Lausanne (EPFL) carry out observational, interpretative, and theoretical research in the fields of extra-solar planets, stellar physics, high energy astrophysics, galaxy evolution and dynamics, and observational cosmology, providing a rich and vibrant research environment.

Applications are invited from candidates with research experience on one or more of the following fields: modeling of stellar interiors, modeling of the evolution of binary stars, stellar population synthesis studies, late stages of stellar evolution, computational hydrodynamics, and/or data science applications on astrophysical problems. Applications should consist of a cover letter, a statement outlining the candidates past research work as well as proposed future research directions (<3 pages) and a CV including a publication list. Candidates should also provide names and e-mail addresses of at least three references. Applications should be sent as a single PDF file to anastasios.fragkos@unige.ch.

Complete applications received by 15 April 2018 will receive full consideration. The starting date of the appointments is 1 September 2018, although later dates could be considered. The appointment will be renewed yearly, up to three years, contingent upon continued funding and satisfactory progress. The candidate should have received their PhD up to a maximum of three years before the starting date of the appointment. Preliminary inquiries may be addressed via e-mail to anastasios.fragkos@unige.ch.

Included Benefits:

Generous Salary (~81'000-83'000 CHF), Standard Swiss Social Security, Accident Insurance, Pension contributions, Maternal leave and access to family support programs (see: <http://www.snf.ch/en/funding/supplementary-measures/flexibility-grant/Pages/default.aspx#>)