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Call for applications for postdoctoral PSL fellowships in astrophysics at Paris Observatory

Conseil scientifique

Affaire suivie par
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Recherche

Formation

Culture scientifique

Applications are solicited for four PSL post-doctoral fellowships in astrophysics at Paris Observatory. Fellows will be appointed initially for one year, renewable for a second year on the basis of satisfactory performance. Fellowships will normally start between summer 2017 and spring 2018 but an earlier start may be considered.

PSL is a research university founded in 2010. It is a federation of 24 members, including 18 prestigious higher education institutes in humanities, arts and sciences, such as the Paris École Normale Supérieure, Collège de France and Paris Observatory. Paris Observatory is one of the largest astronomical centers in the world with 650 permanent staff out of a total of 1000 personnel, and 840 publications per year. It comprises one third of French astronomy with teams covering a wide range of fields and participating in the largest instrumental, theoretical/numerical and experimental projects of modern astronomy. Teams are mostly resident on three sites, two in the Paris area (in Paris and Meudon), with the third being the Nançay astronomical radio observatory. It is part of a rich astronomical environment in the Paris area comprising about 600 scientists involved in a common program *Astrophysics and Conditions for the Emergence of Life* coordinated by Paris Observatory.

Successful applicants are expected to conduct research related to the priorities of the Paris Observatory laboratories, of the Virtual Observatory Paris Astronomical Data Center, and to the themes and programs highlighted by the Paris Observatory Scientific Council for the 2014 – 2018 period:

- Stellar physics;
- Exoplanets and conditions for life;
- Cosmology and galaxy formation and evolution;
- Gravitation and fundamental physics (GPhys);
- Space environment of the Earth (ESTERS).
- Exploitation of Gaia;
- Radiotelescopes of the XXIst century;
- Instrumentation of the E-ELT;
- Preparation to CTA.
- Space missions;
- High performance computing;
- Exploitation of ALMA, NOEMA and Herschel.

Fellowships are open to applicants of any nationality. Only research plans developed in coordination with a team from Paris Observatory will be eligible.

Applicants should provide:

- A CV (1 page maximum);
- A two-year research program including a plan for the first year (4 pages maximum);
- A complete list of publications and a separate list of first-author publications;
- The PhD certificate or, if not yet earned, the date of defense;
- A reference letter from a scientist outside Paris Observatory;
- A support letter from the hosting team and an approval letter of the director of the hosting laboratory.

Successful candidates will benefit of full health insurance. In addition, financial support will be provided to cover some of the research expenses.

Applications must be submitted electronically before 15 December 2016 to secretariat.cs@obspm.fr by the directors of the hosting laboratories. The application must consist of a single pdf file whose size may not exceed 2 Mbytes. A ranking will be published by the Scientific Council in January 2017.



Guy Perrin
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