

Two postdoc positions in modeling and observation of exoplanet atmospheres

July 28, 2016 -- Jason Barnes **Department:** Bordeaux Laboratory for Astrophysics

City: Bordeaux

State/Province:

Category: Atmospheres

Modelling

Exoplanets

Country: FRANCE

Contact Person: Jeremy Leconte

Institution: University of Bordeaux

Application Due Date: Friday, September 16, 2016

Web Link: <http://www.obs.u-bordeaux1.fr/eclipse/earth-moon-composition/?lang=en> [1]

Two postdoctoral appointments are offered for research associated with exoplanet atmospheric studies to start in the Fall of 2016. The candidates will join the team funded by the ERC Starting Grant project "WHIPLASH" led by Dr. Jeremy Leconte at the Bordeaux Laboratory for Astrophysics (LAB, France). The initial appointments will each be for two years, with a possible extension for up to four years total.

The successful candidates will work closely with Dr. Leconte and also with members of the exoplanet team at LAB, such as F. Selsis, P. Bord?, S. Raymond, etc. The main goal of the project is to link 3D numerical modeling of exoplanetary

atmospheres to current and upcoming observations of exoplanet characterization. We are looking for 1) An expert in exo-atmosphere observations analysis and modeling, with the ability to propose new observations and lead observational programs.

2) An expert in numerical modeling of exoplanet atmospheres. In particular, expertise in cloud formation and radiative effects, radiative modeling of hot atmospheres, and/or 3D atmosphere models is strongly recommended.

The successful candidates will be hosted by the LAB, newly relocated on the campus of the University of Bordeaux, in the beautiful city of Bordeaux, in southern France. The institute provides a dynamic and diverse environment for professional development, and a stimulating work environment.

The postdocs will also each receive a 4000 Euros-per-year travel grant to attend international conferences. Benefits include complete health insurance coverage and social security, as required by French law.

Requirements: Applicants are expected to have completed a PhD in astronomy, planetary sciences, or similar field by the time of starting the position. Applicants should send a single PDF document that includes curriculum vitae, a list of publications, and a short statement of research interests also describing how they see their own contribution to the project. They should also arrange for two reference letters to be sent independently. Send all applications and information requests to jeremy.leconte_at_u-bordeaux.fr. Application deadline is September 16, 2016.

Position Type: Post-doctoral or Fellowship

Contact Email: jeremy.leconte@u-bordeaux.fr [2]



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