

Madrid, 29/06/2016

The Computational Astrophysics & Cosmology Group of the Theoretical Physics Department of the Universidad Autonoma de Madrid offers

one postdoctoral researcher position.

The purpose of this position is to carry out original research in the field of

computational cosmology

in collaboration with group members **Gustavo Yepes, Alexander Knebe, Rosa Dominguez and Chris Brook.**

The main research areas are

- Large-Scale Structure & the Cosmic Web: <http://www.cosmosim.org>,
- Simulations of galaxy formation & galaxy clusters: <http://music.ft.uam.es>,
- Constrained Local Universe Simulations: <http://www.clues-project.org>,
- Validation of simulation and analysis techniques: <http://www.mockingastrophysics.org>,

and the candidate is expected to actively join one (or more) of these. The position also includes some light teaching duties in the MSc program of the Department.

The Department of Theoretical Physics – in which the computational astrophysics and cosmology group is embedded – provides a highly vibrant research environment ranging from particle physics, both theoretical and experimental, nuclear physics, neuroscience, fundamentals of quantum mechanics to astronomy, galactic & extra-galactic astrophysics and cosmology. More than 50 scientists work on a variety of topics (in addition to about 30 PhD students). The Universidad Autonoma de Madrid is an equal opportunity employer and welcomes applications from women, disabled persons and underrepresented minorities.

The applicant should hold a PhD in astrophysics and have proven experience in the field of cosmological simulations and their analysis.

Selection of candidates will start on August 31st, 2016, and will continue until the position is filled.

The expected starting date is January 1st, 2017.

The appointment is for a maximum of two years.

Interested candidates should send application material, including a curriculum vitae, a brief statement of past research and future plans (max. 3 pages), and arrange for three letters of reference to be sent to either Gustavo Yepes (gustavo.yepes@uam.es) or Alexander Knebe (alexander.knebe@uam.es).

Please do not hesitate to contact us for further information.