Postdoctoral Researcher
Universidad Autónoma de Madrid

Madrid, 29/07/2019

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

one postdoctoral researcher position.

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

computational astrophysics & cosmology

in collaboration with group members **Gustavo Yepes** (gustavo.yepes@uam.es), **Alexander Knebe** (alexander.knebe@uam.es), **Rosa Dominguez-Tenreiro** (rosa.dominguez@uam.es) and **Daniel Ceverino** (daceverino@gmail.com).

The main research areas are

- Large-Scale Structures & the Cosmic Web: http://www.cosmosim.org, https://unitsims.ft.uam.es
- Simulations of galaxy formation   https://unab-astronum.github.io/CIELO/
- Simulations of galaxy clusters   http://www.the300-project.org, 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, 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 Autónoma de Madrid is an equal opportunity employer.

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

Review of applications will start on September 15, 2019, and will continue until the position is filled.

The expected starting date is beginning of 2020. The appointment is for two years initially, with a possible extension of one more year depending on availability of funds.

Interested candidates should send a curriculum vitae, a brief statement of past research and future plans (max. 3 pages), and provide the names of three referees that can be contacted for a letter of recomendation. All documents have to be sent to this email address:
postdoc.astro.computacional@uam.es

Please do not hesitate to contact us for further information.