

Weekly newsLetter in Statistical Physics: conferences, academic jobs and post-doc positions

POST-DOC POSITIONS

Postdoctoral position in Quantum Thermodynamics at Royal Holloway, United Kingdom

Within the theory group of the Physics department at Royal Holloway, the postdoctoral researcher will carry out a program focused on the quantum dynamics of interacting many body systems both with analytical calculations and numerical simulations using GPUs. Candidates should have a keen interest in quantum theory, statistical physics and strong skills in computational physics. <http://personal.rhul.ac.uk/uqap/119/index.html>

From: "Ithier, Gregoire" <Gregoire.Ithier@rhul.ac.uk>

PostDoc position on the modelling of ice formation at Université de Bourgogne, Dijon, France

The position will be on the modelling of ice formation at low temperature from an atmosphere containing water vapour and VOCs with or without contact with a mineral surface. See details and contacts: https://gradschool.eiphi.ubfc.fr/wp-content/uploads/2020/07/fiche_poste_decolair_postdoc-2.pdf

From: Jean-Marc Simon <jmsimon@u-bourgogne.fr>

Post-doc position in fluid mechanics/physics of the atmosphere/gravity waves in LOPS, Plouzané, France

France Energies Marines and LOPS are looking for a young researcher to contribute to the improvement of the representation of the Marine Atmospheric Boundary Layer and turbulent fluxes in atmospheric models by developing and testing a parameterization of the impact of sea sprays (https://en.france-energies-marines.org/content/download/33834/23177/file/200908_PostDoc_CASSIOWPE_SeaSpray.pdf).

The requested qualifications include a PhD in atmospheric science, wave or mechanical physics, or equivalent, and a good understanding of the physics of the atmospheric boundary layer and fine-scale processes.

From: nbouin <nbouin@ifremer.fr>

Postdoctoral position in statistical physics applied to computational biology, Dpt of Theoretical Physics, Complutense University of Madrid, Spain

The position (for one year renewable up to 3 years) will be available to work on the statistical mechanics of structurally disordered proteins. The research will be mostly computational and theoretical, with potential collaborations with experimentalists in synthetic biology. The research project aims to characterize the physics of intrinsically disordered proteins, and clarify the role of structurally disordered regions in protein binding. The successful candidate will be in charge of carrying out

molecular dynamics' simulations and of extracting biological information from public databases via large-scale analyses and machine learning approaches. This combined information will be then used to propose theoretical models for intrinsically disordered proteins.

From: Beatriz Seoane Bartolomé <beaseobar@gmail.com>

Postdoc position in Theoretical Biophysics in the Zwicker group at MPIDS, Göttingen, Germany

We offer projects in theoretical biophysics revolving around biomolecular condensates, the physics of olfaction, and other themes. Details about our work and the group can be found on www.zwickergroup.org. Contact us or read the advertisement for details on the job offer: https://www.ds.mpg.de/3638734/job_full_offer_15342217

From: David Zwicker <david.zwicker@ds.mpg.de>

MISCELLANEOUS

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