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

CONFERENCES

ICTS online program on Statistical Biological Physics:
From single molecule to Cell"

of the International Centre for Theoretical Sciences (07-18 December, 2020)
Details of the program and the call for applications for participation are
displayed on https://www.icts.res.in/program/SBP

From: Prof. D. Chowdhury <debch@iitk.ac.in>
POST-DOC POSITIONS

Postdoc position in stat-phys & comput-biology, Vision Institute in Paris, France

A 2-year postdoc position between the group of U. Ferrari (stat. phys. and
neuroscience) and D. Dalkara (gene therapy and animal models) will open
at the Vision Institute in Paris. The position can start as soon as November
2020, but it will be open until we will find a suitable candidate.
Project: develop next generation protein-engineering strategies using directed
evolution guided by machine learning and statistical inference. The aim is to
engineer new viral vectors for more efficient gene delivery to primate neural tissue.
Skills: We are looking for a candidate with a background in either statistical physics,
bioinformatics, or machine learning. Some coding skills are required, basic
knowledge in molecular biology is not mandatory, but highly valuable. The ability
to work in interdisciplinary contexts and to interact with experimentalists would
be much appreciated.

From: Ulisse Ferrari <ulisse.ferrari@gmail.com>

Post-doc position opened in CNR, Rome, Italy

The Laboratory of Agent Based Simulation (LABSS-CNR) is opening a 2-year
post-doc position investigating the role of social norms in the spread of
misinformation about the Covid pandemic in online communities. Specifically,
we are interested in understanding the extent to which social norms are acting
as obstacles to consensus formation and their potential role as catalyst of behaviour
change in social platforms (e.g., Twitter). The study is part of a EU-funded research
and will be done in collaboration with the Complex Multilayer Networks (CoMuNe)
Research Unit of Fondazione Bruno Kessler. It will adopt a multidisciplinary
approach that combines big data, complex systems, online surveys, experiments
and social simulations. We are looking for highly motivated scholars with expertise
in computational social sciences and/or sociophysics, interested in applications
to behavioural science, and with knowledge of statistical analysis tools.

From: Daniele Vilone <daniele.vilone@gmail.com>

Postdoctoral Fellowships for 2020 Princeton Center for Complex Materials (PCCM),

USA

The selected fellows will join the research group of a current PCCM investigator currently working on topological quantum matter or harnessing disordered macromolecular structures for living and soft matter. The list of investigators and their areas of research can be found at: https://pccm.princeton.edu/research/new-research-groups-2020-2026.
Successful candidates will be appointed in Fall 2020 for a full-time, 12-month period as a postdoctoral research associate (or more senior), renewable annually for up to three years based on performance and funding. Applications must be submitted online at
https://puwebp.princeton.edu/AcadHire/apply/application.xhtml?listingId=17441.
Applications will require curriculum vitae (CV), list of publications, and a statement of your proposed research plans at PCCM. Applicants will need to provide contact information for two references who will be solicited to provide letters of recommendation. Deadline: November 15, 2020, 11:59 p.m. (EST).

From: "Athanassios Z. Panagiotopoulos" <azp@princeton.edu>