

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

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**POST-DOC POSITIONS**  
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**Post-doc position in theoretical biophysics, Technion, Israel**

The Biophysics Theory Group at the Technion is offering a post-doc position available starting Oct 2020. General areas of research in the group include: Microbial populations – phenotypic variability, inter-cellular interactions, Spatio-temporal population dynamics and evolution; Adaptation and learning with cellular networks – exploratory adaptation under stress, effects of topology and other regulatory network properties on primitive learning, applications to cancer and differentiation; Synaptic fluctuations - their statistical properties and implications to learning. The group is part of the interdisciplinary Network Biology Research Lab, and maintains close collaboration with several experimental groups in Israel and abroad. Candidates are expected to have a PhD in the exact sciences (Physics, Math, Computer Science, Engineering), and a keen interest in biology and complex systems. See <http://biophysics.net.technion.ac.il/>

From: Naama Brenner, [nbrenner@technion.ac.il](mailto:nbrenner@technion.ac.il)  
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**Open Postdoc positions in theoretical and computational biophysics at the Max-Planck Institute for Biophysical Chemistry, Gottingen, Germany**

The Department of Theoretical and Computational Biophysics is looking for people interested in contributing to following projects: Theory and Algorithms for Structure Determination from Ultrafast Single Molecule X-FEL Diffraction or Fluctuation-Correlation X-Ray Scattering. The aim of both projects is to develop Bayesian or Deep Learning methods to obtain high-resolution molecular structures and dynamics from sparse and noisy experimental data. We also have openings for exciting MD projects on: Ribosomal Translation: Molecular Mechanisms and Antibiotics; Statistical Mechanics and Function of Intrinsically Disordered Proteins; Optimal Free Energy and Entropy Calculations; Markovian Free Energy Models of F-ATP Synthase Function; Fast Multipole Based Constant pH Methods. The successful candidate has a keen interest and strong skills in computational biomolecular physics, skills in structural biology, statistical mechanics, and scientific computing, and a strong interest in interdisciplinary research and collaboration with experimental groups. You should hold a PhD or equivalent degree in any of these or a related field. The position is limited to two years with a possibility of extension. Payment and benefits are based on the TVoD (wage agreement for public service employees) guidelines. The starting date is flexible. The group language is English, so no German language skills are required - but it's a great opportunity for you to learn German! Please visit the department website for further details: <https://www.mpibpc.mpg.de/grubmueller>

From: Petra Kellers, [petra.kellers@mpibpc.mpg.de](mailto:petra.kellers@mpibpc.mpg.de)  
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**Postdoc Position in Statistical physics of ecology and evolution group, Asia Pacific Center for Theoretical Physics in South Korea**

The research group led by Dr. Hye Jin Park invites applications for a postdoctoral research fellow in eco-evolutionary modeling from perspective of statistical physics. Application Deadline: April 30th.

For detailed information, see <http://hjpark.me/Opportunity.html>

From: Hye Jin Park <[phj.hyejin@gmail.com](mailto:phj.hyejin@gmail.com)>

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