

Dear colleagues,

I would be grateful if you could bring the following post-doctoral positions to the attention of any potentially interested candidates.

Thank you!

Best wishes

Eleni Katifori

Post-doctoral positions at the Department of Physics and Astronomy at the University of Pennsylvania

Prof. Eleni Katifori and Prof. Andrea Liu in the Department of Physics and Astronomy at the University of Pennsylvania, Philadelphia, USA, are looking for post-doctoral associates to work with them individually as well as collaboratively on theoretical problems in the areas of soft and living matter. The projects will involve the statistical physics of complex networks with applications to biological vasculature as well as problems related to the elasticity, mechanics and pattern formation of biological structures (Katifori, and Katifori and Liu), machine learning approaches to problems such as the glass transition, plasticity and turbulence (Liu) and theoretical and computational approaches to glasses and the glass transition as part of the Simons collaboration on “Cracking the glass problem;” this project will be conducted in collaboration with Sidney Nagel at the University of Chicago and Jorge Kurchan at the Ecole Normale Supérieure in Paris.

Successful candidates will join the soft matter theory group at Penn, a highly vibrant and collaborative community of faculty, post-docs and PhD students, and are encouraged to collaborate with any of the faculty members in the group, which also includes Randy Kamien and Tom Lubensky, as well as with experimentalists.

More information about the Katifori and Liu group can be found on the webpages <http://web.sas.upenn.edu/katifori/> and <http://www.physics.upenn.edu/liugroup/> (note that this has not been updated since 2012) respectively, or by contacting us at the emails listed below.

Post-doctoral applicants should have a theoretical background in soft matter, statistical mechanics, biophysics or related subjects. Prior programming knowledge is a plus, but not required. A good working knowledge of English is necessary.

The appointment will be for one year with the possibility of extension to two or more years.

The University of Pennsylvania is committed to employing more underrepresented individuals and especially encourages them to apply.

To apply, please send a CV including a publication list and statement of interests, and have 2-3 reference letters sent directly to the emails listed below. Your statement of interests should be two pages or shorter and should describe your past and current research interests and why you are interested in this position. Only electronic applications will be considered. For full consideration, please send your application by January 15 2017. You may send inquiries and/or your applications as soon as possible via email to: katifori@sas.upenn.edu and ajliu@physics.upenn.edu

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