A post-doc position in probability (Mean-Field descriptions or thermodynamics limits of large populations of neurons or related subjects like spin glasses) is available at INRIA in the Sophia Antipolis Méditerranée Research Center, France. More informations please visit http://www-sop.inria.fr/members/Olivier.Faugeras/index.en.html

**Bath University:** The Department of Mathematical Sciences is seeking to appoint a new professor who will extend and enhance its strength in Mathematical Analysis. Applications are particularly encouraged in Partial Differential Equations, Geometric Analysis, Calculus of Variations, Harmonic Analysis, Geometric Measure Theory, Ergodic Theory and Operator Theory, or a related field of Mathematical Analysis.

Applicants must have a strong research vision and a track-record of engagement within their Department and with the wider mathematics community. A key role will be to provide leadership and to help shape the wider research strategy of the analysis group and of the department and the university as a whole. Candidates should also have a strong interest in pursuing excellence in undergraduate and postgraduate teaching and in supervising graduate students. For more information visit [http://www.bath.ac.uk/hr/working/flexible-working/](http://www.bath.ac.uk/hr/working/flexible-working/)

Informal enquiries may be made to:
Professor Roger Moser, r.moser@bath.ac.uk, +44 (0)1225 386699,
Dr Veronique Fischer, v.c.m.fischer@bath.ac.uk, +44 (0)1225 383205, or
Professor Peter Mörters, Head of Department, p.morters@bath.ac.uk, +44 (0)1225 386216

The London Centre for Nanotechnology and University College London are pleased to offer an EPSRC funded PhD position in theoretical condensed matter physics. The student will pursue theoretical research into strongly correlated quantum systems, investigating the formation of new phases due to quantum fluctuations. He/she will investigate the quantum order by disorder route to understanding these effects, with the aim of incorporating them into established ab initio numerical approaches. The research will be carried out under the supervision of Prof Andrew Green in UCL and Prof Chris Pickard in Cambridge, and in close collaboration with the theory group of Dr F. Kruger and the experimental groups of Prof Andrew Huxley in Edinburgh and Prof Des McMorrow in UCL.

The position will be funded by the EPSRC for 4 years. To enquire contact: Prof Andrew Green, andrew.green@ucl.ac.uk

New England Complex Systems Institute has two Postdoc and Research Positions Available
Computational Social Science and Medical Data Research
Computational Social Science Research - We are seeking a postdoctoral or predoctoral researcher to study patterns of human social behavior revealed in data sources including social media. The right candidate will have a unique opportunity to apply data analysis, machine learning, and artificial intelligence research to glean complex insights about patterns in social systems.

Medical Data Research - We are seeking a postdoctoral or predoctoral researcher to study an exclusive set of medical data provided by partnering medical institutions. The right candidate will have a unique opportunity to apply data analysis, machine learning, and artificial intelligence research to glean complex insights about patterns in human health.

Direct inquiries to programs@necsi.edu, or apply online at http://www.necsi.edu/education/postdoc/app.php

The Department of Physics at the University of Houston seeks to fill a tenure-track Assistant professorship with a theorist specializing in statistical mechanics pending the approval by the University of Houston Board of Regents. We expect to hire at the assistant professor level, but more senior candidates may be considered. Candidates must have a strong record of scholarship and be able to establish and sustain a robust, externally funded research program. Preference will be given to those with postdoctoral experience. Candidates must also demonstrate a commitment to and potential for excellence in teaching a wide range of physics courses at both graduate and undergraduate levels, as well as in mentoring students in research. Effective communication skills are required.

Applications should include: (1) a detailed cover letter describing the applicant’s background and qualifications for the position, (2) a statement of philosophy, interest, and experience in teaching, (3) a detailed statement of proposed research, including plans for involving students and for seeking external support, (4) a full curriculum vitae, including a list of publications and the names, addresses, e-mail addresses, and telephone numbers of at least three professional references. The applicants must apply at http://jobs.uh.edu

Postdoctoral positions in the Department of Physics, Ramakrishna Mission Vivekananda University in the areas of statistical physics, nonlinear dynamics, gravitation and cosmology, and high-energy physics. The initial appointment of postdoctoral fellows will be for one year, renewable for one more year subject to satisfactory performance. We envisage a target starting date of 1 September 2018, but this is flexible. The postdoctoral fellowship and benefits we are offering are at par with or even better than those offered by Institutes and Govt. organizations in India: The starting fellowship is 50,000 INR per month (consolidated). In addition, the fellows will be offered a research grant of 1 lac INR per annum for attending international conferences and making collaborative research visits. The last date for applying is July 31st, 2018. Full details are available on the following website: http://physics.rkmvu.ac.in/faculty-positions/