Postdoctoral Research Assistant in Computational Soft Matter/Biophysics at the new Discovery Centre, University of Dundee

A 12-month postdoctoral position in computational soft matter/biophysics is available in the group of Rastko Sknepnek at the University of Dundee, Scotland. We are looking for candidates who have a PhD in computational/theoretical physics and a solid knowledge of statistical mechanics. Prior experience in the field of active matter will be an advantage. Strong computer skills (Linux, Python scripting and/or C/C++ programming experience) will be beneficial. A high level of motivation and a publication record commensurate with the applicant's career stage is expected.

Research in the Sknepnek group (http://sites.dundee.ac.uk/rsknepnek/) focuses on a number of problems in soft matter and biophysics: 1) developing and analysing agent-based models of active systems, 2) meso-scale modelling of liquid and solid membranes, 3) cell and tissue mechanics, and 4) self-assembly of complex, nanocomposite materials. We are particularly interested in effects of curved geometries on ordering and motion patterns.

The position will be held in the newly opened Discovery Centre (Centre for Translational and Interdisciplinary Research) at the University of Dundee. Discovery Centre is a vibrant place for collaborative research at the interface between the traditional disciplines, currently housing teams in Computational Biology, Biophysics, Cell Biology, Proteomics and Drug Discovery. The PDRA will have an opportunity to closely interact with some of the leading groups in developmental biology. The post is fixed-term for 12 months with the possibility of extension if appropriate funding is secured. The position is at grade 7 (£30,434–£37,394), depending on experience.

Application should include: 1) CV (including full list of publications), 2) a cover letter, 3) a brief summary of research interests (up to two A4 pages), and 4) contact details of at least 2 referees. Informal inquiries may be made to Dr. Rastko Sknepnek by email r.sknepnek@dundee.ac.uk or telephone +44 (0) 1382 385 699.

Please apply under:
http://ig5.i-grasp.com/fe/tpl_uod01.asp?newms=jj&id=91000&aid=14197
(job reference number ASE0291).

The closing date for applications is 15 March 2015.