

Imperial College London

Faculty of Natural Sciences

Division of Molecular Biosciences

Research Associate in Theoretical Biological Physics

Salary: £31,300 - £39,920 per annum

Applications are invited for a 3-year postdoctoral research position at Imperial College London to quantitatively model sensing, signalling, and adaptation in eukaryotic cells as related to chemotaxis. The position is funded by a prestigious Starting Grant of the European Research Council (ERC) to investigate physical principles in current biological problems and is one of several to be filled.

The successful candidate will join the multidisciplinary group of Dr. Robert Endres at the Centre for Integrative Systems Biology and Bioinformatics (CISBIO), located at our South Kensington campus between Hyde Park and the Science/Natural History Museum. The group works on a wide range of data-driven as well as fundamental problems in biology in collaboration with experimental biologists. For additional information, see <http://www.imperial.ac.uk/people/r.endres>.

You must have a PhD degree in Physics, Mathematics, Bioengineering, Computational Biology or related field or have equivalent level of professional qualifications and experience. You must have experience in programming with C/C++ or a similar compiler language, as well as higher-level languages such as Matlab, Mathematica, or Maple. An in depth knowledge in statistical and biological physics as well as computational biology are essential.

You must have experience of working in a team, the ability to develop and apply new concepts and have a creative approach to problem-solving. You must also have excellent verbal and written communication skills and be able to write clearly and succinctly for publication.

For initial enquiries please contact Dr Robert Endres by email: r.endres@imperial.ac.uk

Our preferred method of application is online via our website <http://www3.imperial.ac.uk/employment> (please select "Job Search" then enter the job title or vacancy reference number including spaces – NS 2012 048 DPN into "Keywords"). Please complete and upload an application form as directed.

Alternatively, if you are unable to apply online, please contact Dr Louise English bioinformatics@imperial.ac.uk by email to request an application form.

Closing date: 23 March 2012

Committed to equality and valuing diversity. We are also an Athena Bronze SWAN Award winner, a Stonewall Diversity Champion and a Two Ticks Employer.