

COMPUTATIONAL CELL BIOLOGY

Postdoctoral and senior research positions in Systems Biology Ireland, UCD, Dublin.

We are seeking outstanding candidates at junior and senior levels to work on computational modelling of signalling and gene networks in mammalian cells at Systems Biology Ireland, University College Dublin. Ongoing projects include the temporal and spatial dynamics of receptor tyrosine kinase signalling and transcriptional networks that govern cell proliferation, differentiation and motility (supported by a multi-PI grant to Profs Boris Kholodenko, Walter Kolch and Zoltan Neufeld).

The successful applicant will work closely with experimentalists at the interface between mathematics, engineering and biology in a multi disciplinary research community at Systems Biology Ireland. This presents a unique opportunity for creative individuals who want to work at the cutting-edge of systems biology.

You will be a part of an interdisciplinary team with national and international collaborations in the field of systems biology. The following skills and qualifications are required:

- 1) PhD in Biophysics, Chemical Engineering, Mathematics, or Biochemistry and evidence of practical work experience in the systems biology of signal transduction;
- 2) knowledge and experience of advanced mathematical modelling, including non-linear systems and non-linear dynamics, and
- 3) basic knowledge of cell/molecular biology.

Understanding of probability theory and statistics is a plus. The complexity of the relevant problems requires at least a two years initial commitment.

Benefits and salary will be commensurate with experience. Individuals with an interest in systems biology are encouraged to apply.

Salary scale: €40,000 - €50,000; for experienced researcher up to €76,000.

Informal enquiries are welcome, please send them including CV to systemsbiology@ucd.ie
For formal applications, use <http://www.ucd.ie/hr/jobvacancies/>