



Job Description

College/Management Unit	Systems Biology Ireland
School/Unit	Systems Biology Ireland
Post Title & Subject Area (if relevant)	Research Assistant (Stem cell work/general lab management)
Post Duration	3 years
Grade	Non Scale
Reports to	SBI Director or nominee
HR Reference No.	004048
HR Administrator	Colette O'Hea

Position Summary

Systems Biology Ireland (SBI; <http://www.ucd.ie/sbi/>) focuses on elucidating the design principles of signal transduction networks in mammalian cells and applying this knowledge to important questions in biology and biomedicine, such as cell fate decisions (differentiation, proliferation and apoptosis). A main aim of SBI's research is to develop and apply computational models based on biological experimentation that open new avenues for understanding and treatment of human diseases on a molecular level. Particular areas of interest are the control of cell fate decisions in stem cells and the migration processes of stem cells that may improve therapeutic applications of stem cells. In order to support our experimental capabilities in this area, we want to expand our team by a technician who will handle all aspects of stem cell culture and also perform general laboratory managerial duties for an interdisciplinary research group.

Salary Range: €34,000 - €47,000 per annum

Appointment will be made commensurate with qualification and experience.

Principal Duties and Responsibilities

- You will be part of an interdisciplinary team consisting of biologists, computational scientists and mathematicians. While the emphasis of this post is on experimental work, you will have a strong interest to collaborate with theoreticians
- You will be responsible for establishing and maintaining stem cell cultures for the group
- You will perform biochemical, cell biological and molecular biology experiments as required.
- You also will be responsible for basic laboratory management, including but not limited to stock holding, ordering, maintaining the group's database for plasmids, cell lines and antibodies
- You will manage ordering of consumables and assist the Centre Manager or nominee with consumable budget tracking
- Additional duties may be required from time to time as requested by the SBI Director or his nominee

Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

Mandatory

- A third level degree level qualification in a relevant discipline preferably at MSc level Primary work experience in cell and tissue culture.
- An appropriate record of scientific contributions to the field, such as publications or conference contributions
- Evidence of operational proficiency to support the work of a research team
- Excellent interpersonal and communication skills, and a strong collaborative spirit

Desirable

- Experience in stem cell work
- Experience in lab management

Further Information for Candidates

Supplementary information

The University:	http://www.ucd.ie/aboutucd.htm
The School/Programme Office/Unit:	http://www.ucd.ie/sbi

Relocation Expenses

- Will not apply
- Will be applied in accordance with the UCD policy <http://www.ucd.ie/hr/html/manual/remvexp.pdf>

Informal Enquiries ONLY to:

Name:	Walter Kolch & Boris Kholodenko
Title:	Profs
Email address:	systemsbiology@ucd.ie

Particular to this position

Conditions specific to this post (if any):

- n/a