



# RCSI

RCSI DEVELOPING HEALTHCARE LEADERS WHO MAKE A DIFFERENCE WORLDWIDE

<b>Title:</b>	<b>Postdoctoral Position in Bioinformatics (miRNA and epilepsy/neuroscience)</b>
<b>Department:</b>	Department of Physiology and Medical Physics
<b>Location:</b>	Royal College of Surgeons in Ireland (RCSI) and RCSI Centre for Systems Medicine.
<b>Reporting to:</b>	Prof Jochen Prehn or nominee

The research group of Prof Jochen Prehn at the Department of Physiology and Medical Physics and the RCSI Centre for Systems Medicine investigates new systems-based biomarkers and therapeutic approaches for the treatment of neurological disorders, diabetes and cancer. This position will employ bioinformatics and systems biology approaches to identify and newly targets for the treatment of epilepsy based on miRNA.

**Specifically the duties of the post will include**

- The successful applicant will work on the EpiMiRNA FP7 Project 'miRNA in the pathogenesis of epilepsy'.
- The candidate will be required to perform bioinformatics, systems biology and biostatistical analysis of EpiMiRNA and related data sets to increase our understanding of pathophysiological processes and identify new therapeutic targets and biomarkers, and will be required to keep excellent record.
- The candidate will be expected to write up their work for publication in peer reviewed journals, internal and external reports and to present their research findings at international scientific conferences and at consortium meetings.
- Promoting translational research through interaction with the other team members, RCSI staff and Research Institute and other relevant bodies.
- The candidate might be requested to assist with the supervision of graduate students and technical staff.
- Opportunity to undertake teaching activities as may be required
- Complying with statutory legislation and implement College rules and requirements in furtherance of your own and general staff welfare and safety
- Undergoing programmes of training and development as may be required from time to time
- Representing the best interests of RCSI and at all times
- Performing such other related duties as may be requested from time to time

**Person Specification:**

The successful candidate should be able to demonstrate the following:

- Essential Qualifications: Ph.D. (or submitted Ph.D. thesis)
- The candidate should have experience in Bioinformatics or Systems Biology. Prior experience in miRNA biology or analysis, Neuroscience, and/or biostatistics is of advantage. They should have research experience or background knowledge in the subject areas described above, and should have demonstrated research accomplishments documented by publications and/or awards.
- If called upon, the ability to motivate and supervise graduate students and technical staff.
- Excellent interpersonal skills.
- The ability to work on one's own initiative as well as in a team environment.
- Flexibility to work irregular hours on occasion.
- Have a good knowledge of Health and Safety Legislation and its application in a Laboratory environment

**Application Process:**

Please send a CV and accompanying documentation (incl recommendations/references) to [patsyconnolly@rcsi.ie](mailto:patsyconnolly@rcsi.ie)

Applications will be reviewed on an incoming basis, but should be received not later than Nov 30th, 2016.

*Note: this Job Description may be subject to change to reflect the evolving requirements of the Department and RCSI in developing healthcare leaders who make a difference worldwide. This post is funded by Science Foundation Ireland and is contingent upon receipt of funding.*

*RCSI is an equal opportunities employer*