



**RCSI**

RCSI DEVELOPING HEALTHCARE LEADERS WHO MAKE A DIFFERENCE WORLDWIDE

**Title:** **Postdoctoral Position in Neuroscience (electrophysiology and epilepsy)**

**Department:** Department of Physiology and Medical Physics

**Location:** Royal College of Surgeons in Ireland (RCSI)

**Reporting to:** Dr. Tobias Engel

The research group of Dr. Engel at the Department of Physiology and Medical Physics investigates the role of purinergic signaling in epilepsy. This position will largely employ *in vitro* functional approaches such as patch clamp, field recordings and calcium imaging.

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

- The successful applicant will work on the Science Foundation Ireland CDA award “Purinergic signalling in epilepsy”.
- Perform electrophysiological recordings and simultaneous Ca<sup>2+</sup>-imaging.
- 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 extensive experience in whole cell patch clamp recordings; calcium imaging would also be an advantage. They should have research experience or



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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 **Tobias Engel (tengel@rcsi.ie)**

*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*



HR EXCELLENCE IN RESEARCH