

**Postdoctoral Researcher – Regenerative Glycoscience**

**Centre for Research in Medical Devices (CÚRAM)**

**Ref. No. NUIG 039-17**

Applications are invited from suitably qualified candidates for a full-time fixed term position as a Research Associate with the Centre for Research in Medical Devices (CÚRAM), at the National University of Ireland, Galway.

This position is funded by Science Foundation Ireland (SFI) and is available from 1st April 20017 to contract end date of 30th June 2017.

The Centre for Research in Medical Devices (CÚRAM) is a national, SFI funded, €49.6m research centre that brings together researchers from NUI Galway, University College Dublin, Dublin City University, University of Limerick, University College Cork, Trinity College Dublin and Royal College of Surgeons Ireland. The prime objective for CÚRAM is to radically improve health outcomes for patients by developing innovative implantable ‘smart’ medical devices to treat major unmet medical needs. Implants will be designed and manufactured to respond to the body’s environment and to deliver therapeutic agents, such as drugs, exactly where needed. Cutting-edge science will develop devices using the very latest research from biomaterials, stem cells and drug delivery and the support of strong clinical collaborations, industry partners and hospital groups to enable rapid translation to the clinic. The centre will include almost 40 industry partners and support product development and the creation of new spin-out companies.

**Job Description:**

The successful candidate will evaluate changes in the glycoprofile and identify specific glycans that are differentially expressed in both normal and ischemic cardiac tissue of zebrafish. The results will contribute to the development of an injectable elastin-based hydrogel functionalised with specific differentially expressed molecules identified to preserve cardiac functionality by enhancing cardiomyocyte proliferation.

**Duties:**

* The ideal candidate should have a track record in a research and development environment and strong lectin histochemistry, lectin microarray, RNA sequencing and heart regenerative model experience is essential.
* Applicants must have a Ph.D. in Biomedical sciences.
* The ideal candidate would have experience in tissue regeneration as evidenced by a publication record.
* Candidates should have excellent communication and organizational skills; be highly motivated and passionate about developing new products; and have strong documentation, oral and interpersonal skills.
* Evaluate changes in the glycoprofile and identify specific glycans that are differentially expressed in both normal and ischemic cardiac tissue of zebrafish.
* Contribute to the development of an injectable elastin-based hydrogel functionalised with specific differentially expressed molecules identified to preserve cardiac functionality by enhancing cardiomyocyte proliferation.
* Disseminate and promote results which includes contributing to scientific publications and participating in outreach events.
* Liaise and report to the Project Manager which includes contributing to periodic scientific reports.
* Contribute to the reporting of project milestones and deliverables in accordance with deadlines
* Participate in training events for researchers and Principal Investigators

**Qualifications/Skills required:**

**Essential Requirements:**

* PhD degree in Biomedical Sciences
* Expertise in investigating glycan profiles in heart regenerative models using lectin histochemistry and lectin microarrays
* Expertise in RNA sequencing
* Excellent communication and organisation skills
* Fluent in spoken and written English
* Excellent writing and presentation skills
* Flexibility and ability to work in a team environment

**Desirable Requirements:**

* Experience with outreach events
* A keen interest in pursuing pre-clinical research into Myocardial Infarction

**Employment permit restrictions apply for this category of post**

**Salary**: €37,750 per annum (pro-rata for the 3 month contract)

**Start date**: Position is available from 1st April 2017.

**Continuing Professional Development/Training**:

Researchers at NUI Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans.

Further information on research and working at NUI Galway is available on [Research at NUI Galway](http://www.nuigalway.ie/our-research/)

For information on moving to Ireland please see [www.euraxess.ie](http://www.euraxess.ie)

Further information about Centre for Research in Medical Devices (CÚRAM) is available at [www.curamdevices.ie](http://www.curamdevices.ie)

**To Apply:**

Applications to include a covering letter, CV, and the contact details of three referees should be sent, via e-mail (in word or PDF only) to Dr. Sarah Gundy [sarah.gundy@nuigalway.ie](mailto:sarah.gundy@nuigalway.ie). Please put reference number **NUIG-039-17** in subject line of e-mail application.

Or by post to Centre for Research in Medical Devices (CÚRAM), Biomedical Sciences, Dangan, Newcastle Rd., National University of Ireland, Galway, Galway, Ireland.

**Closing date for receipt of applications is 5.00 pm 3rd March 2017.**

All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment

National University of Ireland, Galway is an equal opportunities employer.

