



OLLSCOIL NA GAILLIMHÉ
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

Postdoctoral Fellowship in Genomics (2 years)

School of Biological and Chemical Sciences

University of Galway

Ref. No. University of Galway 260-22

Applications are invited from suitably qualified candidates for a full-time fixed-term position as a Postdoctoral Fellow in the group of Dr Gerhard Schlosser, School of Biological and Chemical Sciences at the University of Galway.

This position is funded by a Frontiers for the Future grant (19/FFP/6679) from Science Foundation Ireland (SFI) and is available for two years from 1.1.2023 to 31.12.2024.

A wide spectrum of diseases is associated with sensory deficits and cranial nerve defects. To understand the causes of these deficiencies, we need to elucidate the molecular pathways that regulate the transition from proliferating progenitors to differentiating neurons in cranial sensory neurons. In our project „Co-factor dependent functions of Eya1 for sensory neurogenesis“ our main focus is on protein-interaction partners and transcriptional targets of Eya1, a protein that has previously been shown to promote both progenitor states and neuronal differentiation. To elucidate how Eya1 exerts these different context-dependent functions in sensory neurogenesis, this project combines gain and loss of function studies in *Xenopus* with in situ hybridization, bulk RNA-Seq and single-cell RNA-Seq.

Job Description/Duties:

The successful candidate will work together with a postgraduate student on functional studies in the lab including the generation of additional RNA-Seq data. However, he/she will mainly be responsible for the bioinformatic analysis of our bulk and single-cell RNA-Seq data. This requires a committed person with extensive computational/bioinformatic skills and familiarity with major molecular techniques.

Qualifications/Skills required:

Essential Requirements:

- PhD in Genomics or Biomedical Science;
- Strong computational skills validated by grade transcripts, reports and publications;
- Experience with RNA-Seq data analysis;
- Strong experience in Cell Biology, Genetics, and Molecular Biology;
- 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;



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Desirable Requirements:

- Experience in Developmental Biology and animal models;
- Experience with single-cell RNA-Seq data analysis

Salary: €39,523-40,083 per annum (public sector pay policy rules pertaining to new entrants will apply).

Start date: The position is available from 1.1.2023

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](#)

For information on moving to Ireland please see www.euraxess.ie

Further information about our research group is available at <https://www.universityofgalway.ie/remedi/who-we-are/principalinvestigators/drgerhardschlosser/>

Informal enquiries concerning the post may be made to Dr Gerhard Schlosser (gerhard.schlosser@universityofgalway.ie)

To Apply:

Applications (in English) should include a CV (please use Europass template: <https://europass.cedefop.europa.eu/editors/en/cv/compose>), certificates of examination grades, a motivation letter (max. 1 page) describing your research career goals, skills and experience, as well as two letters of recommendation. Please send applications via e-mail (in PDF only) to Dr Gerhard Schlosser: gerhard.schlosser@universityofgalway.ie

Please put reference number **University of Galway 260-22** in subject line of e-mail application.

Closing date for receipt of applications is 5.00 pm 31st October 2022

We reserve the right to re-advertise or extend the closing date for this post.

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

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



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'NUI Galway provides continuing professional development supports for all researchers seeking to build their own career pathways either within or beyond academia. Researchers are encouraged to engage with our Researcher Development Centre (RDC) upon commencing employment - see www.nuigalway.ie/rdc for further information.'

