GOLD Lab

Postdoctoral Scientist Opportunity (3 years) in RNA Therapeutics for Oncology

The mission of the Laboratory for Genomics of Long Noncoding RNA and Disease (GOLD Lab) is to develop new therapies for cancer, by leveraging the latest advances in non-coding RNA and genomics research.

We now have an exciting opportunity for a Postdoctoral Scientist to develop new RNA-targeting therapies for Lung Adenocarcinoma. The outcome will be pre-clinically-validated anticancer drugs ready for development towards the clinic.

The Project will take advantage of leading technologies and therapeutic targets developed in GOLD Lab. You will work closely with leading researchers in our Collaborator groups to gain and apply expertise in advanced disease models:

- Prof. Joanna Wietrzyk, Hirszfeld Institute, Poland
- Dr. Dania Movia, Maynooth University, Ireland

In GOLD Lab, you will be welcomed into a collegial, equitable, and stimulating scientific environment with both experimental and bioinformatic researchers. We work closely with several international consortia, offering unique opportunities to build your network and profile. We offer a competitive salary and benefits package, along with opportunities to present your research at conferences and contribute to high-impact publications. We are committed to your career development and will provide mentorship and guidance to help you achieve your research goals.

**Why Choose Us?**

- Work on a high-impact, translational research project that has the potential to revolutionise cancer treatment, from bench to clinic.
- Develop cutting-edge expertise in non-coding RNA research, RNA therapeutics and advanced disease modelling techniques, with mentorship from world-renowned researchers.
- Join a supportive, dynamic, and diverse lab environment, committed to fostering your career development through conferences, publications, and professional growth.
- Collaborate and network with international experts in the field.

**Desired Skills and Experience:**

- PhD in a relevant field (e.g., Molecular Biology, Genetics, Oncology).
- Experience in human cancer cell line culture is essential.

- Familiarity with siRNA/ASO oligonucleotides, molecular biology techniques and/or non-coding RNA research is desirable.
- Strong organisation, communication, collaboration, and problem-solving skills.

The project will take place at the School of Biology and Environmental Science at University College Dublin (UCD), Ireland, with access to a wide range of cutting edge facilities offered by the Conway Institute of Biomolecular and Biomedical Research. The position will be funded with a generous salary for 3 years, consumables and conference travel.

Here are some recent publications:


- Targeting and engineering long non-coding RNAs for cancer therapy.
  Coan M, Haefliger S, Ounzain S, Johnson R.
  Nat Rev Genet. 2024 Aug;25(8):578-595
- Tumour mutations in long noncoding RNAs enhance cell fitness.
  Esposito R, Lanzós A, … Johnson R.
  Nat Commun. 2023 Jun 8;14(1):3342.
- Multi-hallmark long noncoding RNA maps reveal non-small cell lung cancer vulnerabilities.
  Esposito R, Polidori T, … Johnson R.
  Cell Genom. 2022 Aug 22;2(9):100171


You can find more information on our lab's website: https://www.gold-lab.org/

**To Apply:**

Please send your CV and a brief statement outlining your suitability for this role to rory.johnson@ucd.ie with the subject line "HRB PD".

**Deadline:**
31st October, 2024