SFI Centre for Research Training in GENOMICS DATA SCIENCE

Centre for Research Training

Science Foundation Ireland **For what's next** **sfi**

ABOUT THE PROGRAMME:

We are a PhD training programme, with project opportunities in over 100 research groups based at five Irish institutions (NUI Galway, UCC, UCD, TCD and RCSI). Overall the programme will train 100 PhD students in 4 yearly intakes. We are currently recruiting 20 students to start in Sept 2021.

The Genomics Data Science PhD training programme is a 4-year structured PhD training programme. Over 100 researchers, including many of Ireland's top genomics scientists, are associated with the programme and available as PhD supervisors. Students can choose from projects across seven research themes:

- **Methods, frameworks and infrastructure development for genomics**
- **Genomics of common and rare diseases**
- **Cancer genomics and precision medicine**
- **Agrigenomics, smart food and nutrigenomics**
- **Genomics for pathogen surveillance and control**
- **Biotechnological genomics, including metagenomics**
- **Molecular evolution and population genomics**

A unique feature of this programme is that it was designed to be student-led and this applies to the choice of research projects. Students will have the opportunity to interact with supervisors during the 1st semester and then choose from the list of projects that are offered by the supervisor group at any of the participating institutions. For more information on the programme see **www.genomicsdatascience.ie**

BENEFITS:

An annual stipend (tax-free) of €18,500

Accommodation is provided while on the 1st semester residential training programme.

Each student will be provided with a high-end laptop as well as generous travel, workshop, placement and publication cost allowances.

CLOSING DATE:
15th January 2021

🐦 **@GenomicsCRT**

ENTRY REQUIREMENTS:

Applicants will need to have a BSc or MSc (or equivalent) in a field related to genomics (biochemistry, biomedical science, genetics, medicine, microbiology) or in a strongly numerate or computational field (computer science, engineering, physics, statistics, mathematics). Students should have a strong aptitude for programming and data analysis. Non-native speaker applicants will need proof of written and spoken English language competence.

HOST INSTITUTION

NUI Galway OÉ Gaillimh

PARTNER INSTITUTIONS

University College Cork, Ireland Coláiste na hOllscoile Corcaigh **UCC**

UCD DUBLIN University College Dublin An Coláiste Ollscoile, Baile Átha Cliath

Trinity College Dublin Coláiste na Tríonóide, Baile Átha Cliath The University of Dublin

RCSI

QUEEN'S UNIVERSITY BELFAST