



ROLE PROFILE

Job Title:	Research Associate/Fellow
School/Department:	School of Life Sciences
Salary:	Research and Teaching
Job Family and Level:	Research and Teaching Level 4 Career Training Grade/Research and Teaching Level 4
Contract Status:	Fixed Term
Hours of Work:	36.25
Location:	School of Life Sciences
Reporting to:	Dr Mary J. O’Connell

Purpose of the Role:

The purpose of this role will be to support the Principal investigator and her Research group in achieving research objectives, developing proposals and conducting cutting edge research in the area of Computational Evolutionary Genomics. Specifically – the research project is in the area of large-scale comparative genomics for the identification of species-specific molecular features at the protein coding and regulatory level. The post holder will be expected to undertake their specific research project along-side contributing actively in the research group as a whole thereby maintaining our positive research environment. The role includes using approaches or methodologies and techniques appropriate to the area of research, as well as developing software and pipelines in line with best practice. The post holder will be responsible for writing up their work in order to contribute to published outcomes.

The role holder will have the opportunity to use their initiative and creativity to input into their defined research project, develop research methods and extend their research portfolio.

	Main Responsibilities	% time Per year
1.	To plan and conduct research using recognised approaches, methodologies and techniques within the research area and support the development of research objectives and proposals for own and/or collaborative research area.	30
2.	To analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights to research area.	30
3.	To contribute to writing up research findings for publication in leading journals.	5
4.	To assist with the preparations, proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes.	5
5.	To build internal and/or external contacts to develop knowledge and understanding, forming relationships for future collaborations.	5
6.	To co-ordinate the operational aspect of research networks, for example, arranging meetings and updating websites etc. and contribute to collaborative decision making with colleagues in area of research.	1
7.	To provide guidance as required to support staff and students, where appropriate in own area of expertise.	5
8.	To collaborate with academic colleagues on areas of shared interest for example, course development, collaborative or joint research projects. .	2

9.	To plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.	15
10.	To utilise and contribute to organising research resources and facilities, laboratories and workshops as appropriate.	1
11.	To make a contribution to teaching, for example through laboratory demonstrations, lectures to postgraduate workshops and/or delivery of Level 1 modules.	1

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	Degree, or equivalent in relevant subject area and a PhD (studying towards) or equivalent in relevant subject area.	Master's Degree, or equivalent in relevant subject area.
Skills/Training	<p>Excellent skills and knowledge of Molecular Evolution and phylogenomics.</p> <p>Proficient in at least one programming language e.g. Python, C, Java.</p> <p>Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</p> <p>Evidence of sufficient breadth or depth of research methodologies and techniques to work in research area.</p> <p>Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods</p> <p>High analytical ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring new insights.</p> <p>Ability to contribute to method improvement.</p> <p>Ability to build relationships and collaborate with others, internally and externally.</p>	<p>Ability to assess and organise resource requirements and deploy effectively.</p> <p>Ability to foster a research culture and commitment to learn in others.</p> <p>Analytical ability to facilitate conceptual thinking, innovation and creativity.</p>
Experience	<p>Some practical experience of applying the specialist skills approaches and techniques required for the role.</p> <p>Evidence of using research methodologies and techniques to work within research area</p>	Experience of developing new approaches, models, techniques or methods in research area.
Statutory/Legal		



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