



<b>Job title</b>	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	<b>Job family and level</b>	Research & Teaching Level 4 (Appointment will be Level 4 Career Training Grade where an appointment is made before PhD has been completed)
<b>School/ Department</b>	Biosciences/ Animal Sciences	<b>Location</b>	Sutton Bonington Campus

## Purpose of role

To carry out research developing novel protocols for the derivation of novel stem cell/iPSC from livestock species. The role involves working within a team designing and conducting experiments using relevant techniques, analysing and writing reports and publications.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<b>Research</b> <ul style="list-style-type: none"> <li>To independently design, plan, carry out and analyse cellular and molecular biology-based research, as well as undertake other duties, such as administration where appropriate.</li> </ul>	75%
2	<b>Dissemination of research results</b> <ul style="list-style-type: none"> <li>To significantly contribute to the writing up of research papers, reports and presentation of research findings at high level national and international meetings to maintain Institute and University recognition.</li> </ul>	10%
3	<b>Support junior members of the group</b> <ul style="list-style-type: none"> <li>To assist in the supervision and training of undergraduate or postgraduate students, and technical staff as appropriate.</li> </ul>	5%
4	<b>Engage in Professional Development activities</b> <ul style="list-style-type: none"> <li>To continue developing professional research skills, keeping knowledge up to date through attendance at seminars and conferences, and initiate internal/external collaborations where appropriate.</li> </ul>	5%
5	<b>Adhere to H&amp;S regulations</b> <ul style="list-style-type: none"> <li>To contribute to the safe and well-organised functioning of the laboratory.</li> </ul>	5%

## Person specification

	<b>Essential</b>	<b>Desirable</b>
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ Demonstrable laboratory skills including cell culture and molecular biology.</li> <li>▪ Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods.</li> <li>▪ Excellent oral and written communication skills.</li> <li>▪ Good time management skills, ability to prioritise and meet deadlines</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrable ability to analyse and interpret data, evaluate and criticise texts, bring new insights.</li> <li>▪ Data handling skills (RNA seq. data, gene expression analysis).</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Experience in scientific writing of reports and peer reviewed publications.</li> <li>▪ Evidence of sufficient breadth or depth of research methodologies and techniques to work in the required research area.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Experience in growing human embryonic stem cells (or equivalent, i.e iPSC, other stem cells), and molecular biology techniques (gene expression analysis/protein expression/gene editing, FACS).</li> <li>▪ Experience in the generation of iPSC using different technologies.</li> <li>▪ Experience in genome editing applications in cells.</li> <li>▪ Experience in next generation sequencing (sample preparation and bioinformatics)</li> <li>▪ A relevant publication record.</li> <li>▪ Willingness to travel nationally to work and study for short periods at a time in collaborating laboratories</li> <li>▪ Experience in supervising technical staff</li> </ul>
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ PhD in cell/developmental biology or related area of biological science (OR PhD students about to submit thesis in relevant area of stem cell biology will be considered)</li> </ul>	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

## Key relationships with others

