Job title	Research Associate/Fellow	Job family and level	RCTG/R&T Level 4a/4
School/ Department	Biosciences/ Animal Sciences	Location	Sutton Bonington Campus

Purpose of role

To carry out research developing novel protocols for the generation of in vitro gametes in livestock species. The role involves working within a team designing and conducting experiments using relevant techniques, analysing and writing reports and publications.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	**Research** ▪ The post-holder will independently, and collaboratively plan and design experiments to contribute to one or more of the following four programme objectives. ▪ (1) To develop methods for the differentiation of bovine PSC into post meiotic gametes using organ cultures and reconstituted gonads. ▪ The post-holder will keep abreast of relevant current literature to apply the most appropriate contemporary methods to address the scientific aims within the programme on gametogenesis in cattle and the generation of gametes.	75%
2	**Dissemination of research results and interaction with industry partners** ▪ 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; as well as engaging with industrial collaborators and partners. The post-holder will also prepare reports for update meetings with the iBreed partners and programme organisers and contribute to the final report.	10%
3	**Support members of the group and contribute to lab activities** ▪ To assist in the training of students, and technical staff as appropriate, and assist with maintaining essential research capabilities and laboratory facilities when necessary.	5%
4	**Engage in Professional Development activities**	5%

	▪ To continue developing professional research skills, keeping knowledge up to date through attendance at seminars and conferences, and initiate internal/external collaborations where appropriate.	
5	**Adhere to H&S regulations** ▪ To contribute to the safe and well-organised functioning of the laboratory.	5%

Person specification

	Essential	**Desirable**
Skills	▪ Demonstrable laboratory skills including cell culture and molecular biology.	▪ Post-graduate training in pluripotent stem cell culture, gene editing, gene expression analysis, and gene targeting. ▪ Data handling skills (RNA seq. data, gene expression analysis). ▪ Experience in early embryology and germ cell biology.
Knowledge and experience	▪ Good knowledge of mammalian developmental biology. ▪ Knowledge and experience of pluripotent stem cell technologies. ▪ Evidence of relevant publication record	▪ First-hand experience of stem cell culture and gene targeting/editing technologies. ▪ Experience in differentiation of embryonic stem cells (or equivalent), and molecular biology techniques (gene expression analysis/protein expression/gene editing, FACS). ▪ Experience in genome editing applications in cells. ▪ Willingness to travel nationally to work and study for short periods at a time in collaborating laboratories
Qualifications, certification and training (relevant to role)	▪ 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)	


GENDER CHARTER
Athena Swan
Gold Award
RACE CHARTER
Race Equality Charter
Bronze Award
disability confident
EMPLOYER
Stonewall
DIVERSITY
CHAMPION

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

