



University Partnership



Science of Sustainable Food

A unique joint venture between the University of Edinburgh and two investment and business development partners, Milltrust International and JBI Equity



- The University of Edinburgh is consistently ranked in the world top 50 and was placed 20th in the 2020 QS World University Rankings
- Its culture is strongly entrepreneurial and cross-disciplinary, attracting leading scientists from across the globe
- In the last Research Excellence Framework exercise, veterinary & agricultural science at the University (in combination with Scotland's Rural College) was ranked as the most powerful in the UK



Roslin Technologies is a commercialisation vehicle for the University's world-famous Roslin Institute and Royal (Dick) School of Veterinary Studies.

The company has first right of refusal to commercialise unencumbered IP generated at both organisations

Roslin Institute came to prominence with Dolly the sheep, the first mammal to be cloned from an adult cell.

Dolly's birth proved that specialised cells could be used to create an exact copy of the animal they came from.

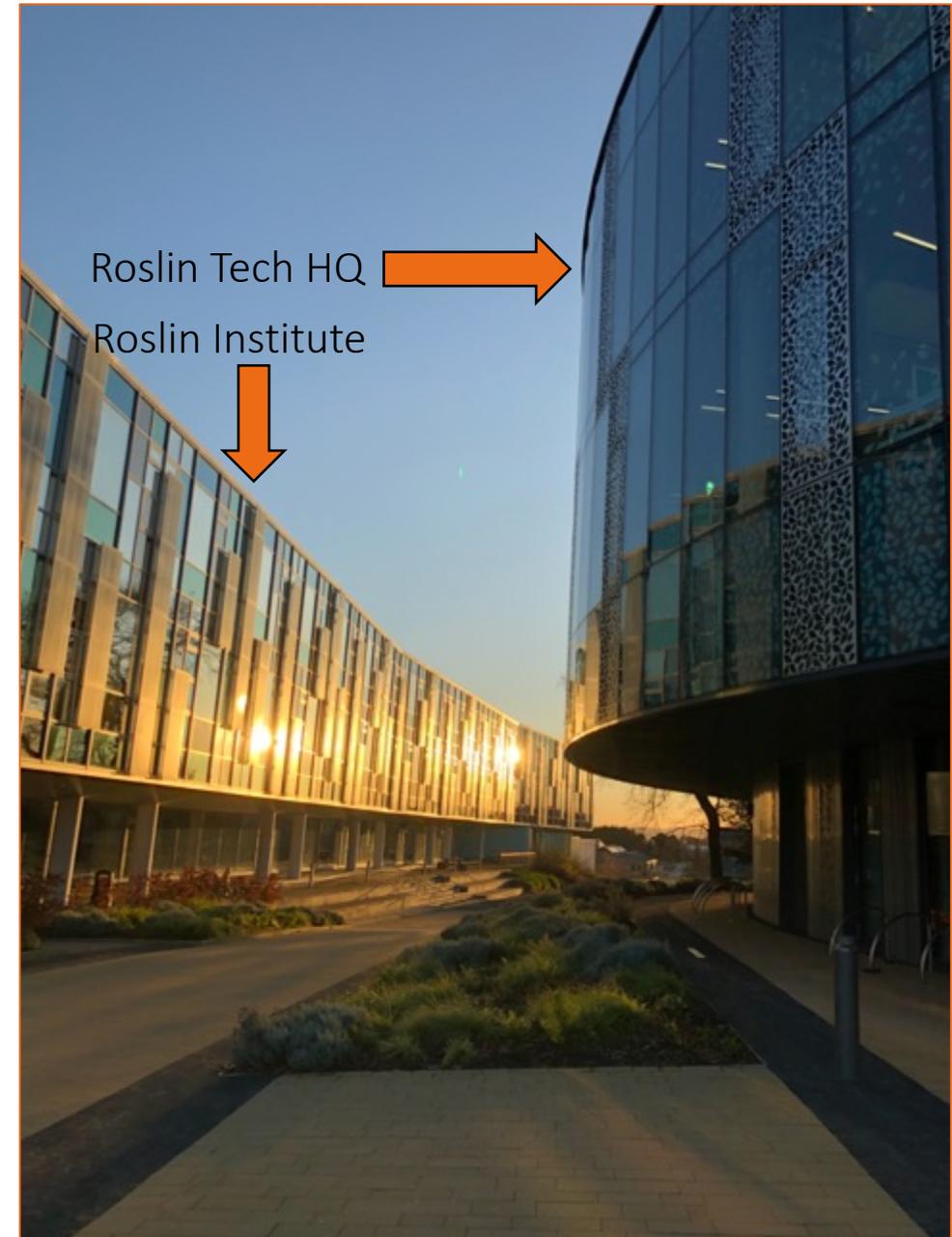
This the door to an exciting range of opportunities in bioscience, including the generation of personalised stem cells - "iPS" cells, a key component of our portfolio



Roslin Institute undertakes basic & translational science to tackle issues in animal health & welfare, implications for human health and role of animals in the food chain.

The Institute is based in purpose-built facilities at the Easter Bush Campus in the Midlothian Science Zone. Roslin Technologies is co-located at this site. The Zone latter is one of the largest animal science innovation hubs in the world.

The company works closely with academics at Roslin Institute to translate scientific outputs to support sustainable farming, protein production and improved animal health.



Our unique model



SCIENCE & DISCOVERY

PARTNERSHIP

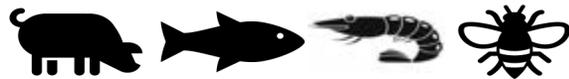
IMPACT



INNOVATION PIPELINE: all projects are in our core programmes



BREEDING PROGRAMMES



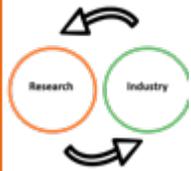
ANIMAL CELLS PROGRAMMES



ANIMAL HEALTH PROGRAMMES



Partnership with our academic partners across the entire programme portfolio

Bridging the gap between science and industry by Strategic Collaboration



Direct Investment – Innovation Fund



Leverage (UK Gov, others) Investment – Innovation Fund



First-right-of refusal to negotiate licenses to unencumbered IP

University Collaboration

- **Joint venture vehicle to expand University translational options for impact**
 - First-right-of refusal to negotiate licenses to unencumbered IP
 - Existing Licenses & Strategic Collaborations to commercialise unencumbered IP from grant holders
- **Engagement via Innovation Fund to incentivise commercial focus by University Principal Investigators on company priorities**
 - Dedicated use-of-proceeds: direct funding of specific projects & leveraged matched grant funding
 - Accelerate proof-of-concept and capture asset value through encumbered IP
- **Primary Commercialisation Strategies**
 - Build new potential business units/spin-outs and/or out-licensing packages around core University IP
 - Add value to existing portfolio of spin-outs/acquisitions/partnerships by integrating University IP (patents prosecuted by RT or spin-outs)



Priority areas for partnership

- Matched RT/UoE strategic priorities
 - Enhanced sustainable protein production systems – supported by
 - Data-driven breeding, animal cell systems, animal health platforms
- Incremental targets
 - Disease resistance and productivity genes/editing-targets – initially for Shrimp
 - Opportunities in other species
- Disruptive potential
 - *In vitro* derivation/scale-up of male and female germ cells from pluripotent progenitors in priority species
 - Animal cell systems for veterinary and human drug discovery and development (“One Health”)



University Pipeline Projects funded or under consideration

Partner Organisation	Target Market
Roslin Institute	Diagnostic test - livestock & equid
Roslin Institute	Diagnostic test - livestock
Royal (Dick) School of Veterinary Studies	Diagnostic test - companion
Roslin Institute	Laboratory reagents - veterinary science
Roslin Institute	Therapeutic - companion
Roslin Institute/Moredun Institute	Vaccine - livestock
Biological Sciences, UoE	Vaccine delivery - livestock
Biological Sciences, UoE	Vaccine - livestock
Roslin Institute	Vaccine - livestock
Roslin Institute	Diagnostic tool - multi species
Roslin Institute	Genetic improvement - aquaculture
Roslin Institute & SRUC	Genetic improvement - livestock
Danish Consortium	Genetic improvement - aquaculture
Roslin Institute	Animal cell – cultured meat
Roslin Institute	Stem cell - commercial/research discovery
Roslin Institute	Stem cell therapeutics - companion
Roslin Institute	Stem cell therapeutics - companion
Royal (Dick) School of Veterinary Studies	Stem cell therapeutics - companion
Roslin Institute	Therapeutics - companion