

Doctoral Training Programme: Research for Innovation, Translation and Enterprise (RITE)

University of Edinburgh

- #22 university in the world
- #5 in world for industry, innovation and infrastructure
- #7 in world for sustainability
- #4 in UK for quality and breadth of research
- #1 university in UK for Medicine and Veterinary Medicine
- #1 institution in Scotland
- #1 in Russell Group for startups

Sources: QS rankings 2022 2024, THE Impact Rankings 2022, REF 2021, Guardian University Guide 2022



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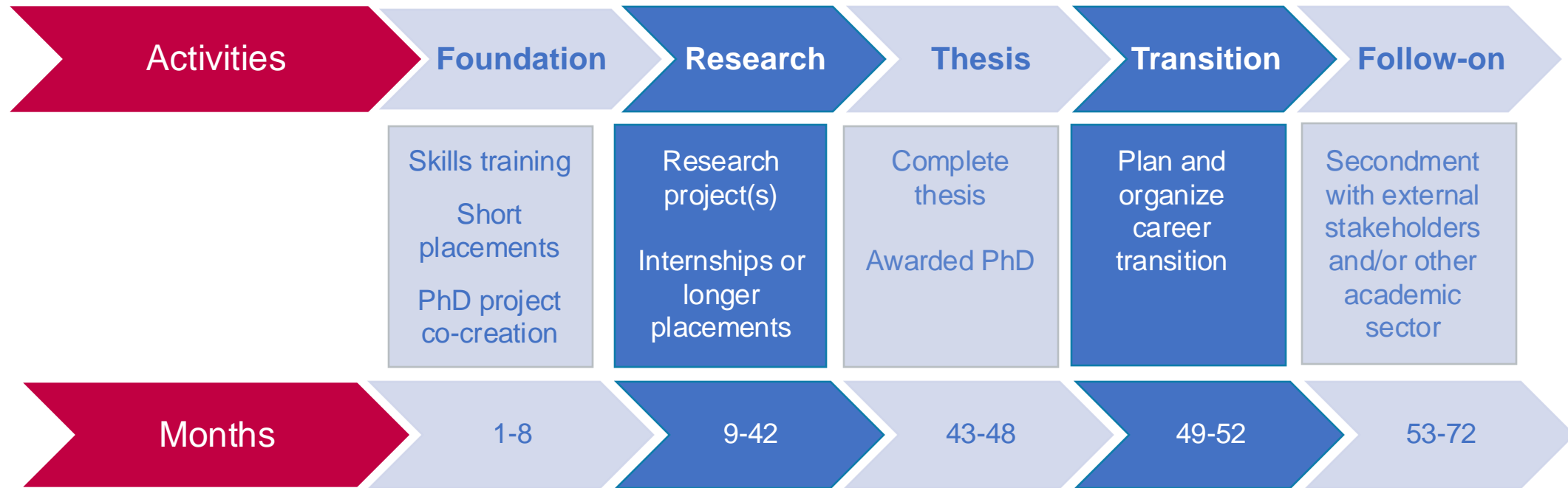
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Research and innovation for future health and care requires...

- **multidisciplinary researchers** working across biomedical and life sciences, physical sciences, and the humanities, arts, and social sciences
- equipped with transversal skills to lead **within academia** and **across sectors** including **industry**, to translate their innovative research via stakeholder partners

Research for Innovation, Translation and Enterprise (RITE)

Aim: To deliver **cross-sector** training in academic research and innovation, via project **co-creation** with stakeholders that fosters careers that **transcend the barriers** between research and translation



Project examples

Partner's priority	Diagnostic for surveillance of an emerging zoonosis needed for human and animal populations	A pharma company requires an AI pipeline to translate discovery science into clinical practice through drug repurposing	Promising vector control tool for insect vector of disease needs commercialisation and deployment strategy
Activity	Student evaluates diagnostic approaches for vet researchers animal science aspects, with chemists for diagnostic development and NHS clinicians for product testing.	Student works with drug discovery partners and generative AI researchers to develop pipeline for specific drug repurposing.	Student works with observatories monitoring vector spread and vector biologists, economists and social scientists to integrate market needs and understand societal behaviours around tool implementation.
Transition	Monitor and refine implementation of diagnostic, and assess impact.	Drugs taken through pipeline to biological trials, or further development of pipeline model.	Evaluation of implementation and strategy refinement.
Impact	Effective and tractable new diagnostic that is used to best effect.	Cost effective drug discovery or transferable /adaptable framework.	Maximal efficacy of intervention against vector borne infection.

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Edinburgh
Infectious
Diseases



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