Knowledge Transfer Partnerships (KTPs)

Bridging academia and business and supercharging graduate careers

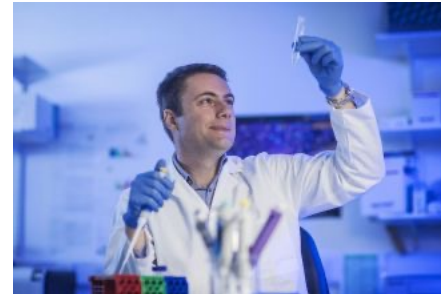**Amanda Fullerton**
KTP Manager

ulster.ac.uk

Ulster University World Leading Research

4 FACULTIES

Faculty of Computing, Engineering and the Built Environment

Faculty of Life and Health Sciences

The Ulster University Business School

Faculty of Arts, Humanities and Social Sciences

Ulster University

2021 Research Excellence Framework – REF

7-year independent assessment of UK university research performance

- Ulster University in UK top 20% for Research Impact on global societies & economies

- 87% world leading - Four-Star rated Research

- 96% of Research Environment conducive to world-leading research

- Industry Collaboration drives research & innovation projects

- KTPs an important facet

KTPs - The Power of Three

Graduate

Based in Business
Leads the Change
Embeds Solution
Academic & Business
Supervision
Future Leader

University

Has Vital Knowledge
Can benefit from KTP

KTP Work Plan

Business *Strategic Need / Vision*
Real World challenge
Vital Knowledge Missing

Ulster University

MJM MARINE

click energy

ODYSSEY TRUST

THE SSE ARENA BELFAST

Belfast GIANTS

W5

verbal

rapid

METRO SURVEILLANCE GROUP

semple mckillop CONSULTING ENGINEERS

LECKEY

FORTRESS SEFA SECURITY ENVIRONMENTAL FIRE ARCHITECTURAL

axial 3D Patient data made real

sisaf

DATACTICS™

SANDVIK

CHROMA light is everything

inspire wellbeing for all

BT

action mental health

Biopanda Reagents

PROFILETREE

CDE A NEW WORLD OF RESOURCE

45+ YRS - 800+ UK KTPs / 65+ NI KTPs

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UKRI Innovate UK
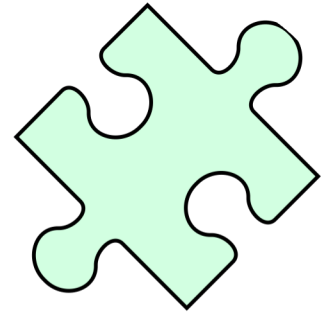
Invest Northern Ireland

What should a KTP Demonstrate?
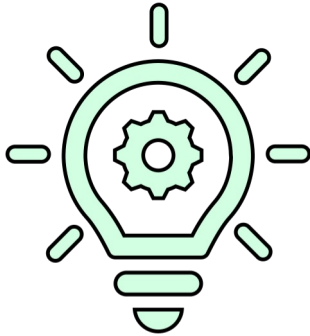
INNOVATION   IMPACT   CHALLENGE

Ulster University
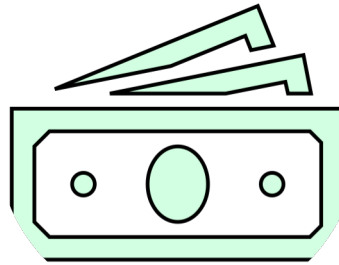
Benefits for Academics

- Business relevant research opportunities / themes
- High quality research outputs
- Rich teaching and research resources
- REF Impact Case Studies
- Impacts for Economy, Environment and Society
- Research Income £190K+ per KTP
- Academic Income £20K+ per KTP
- Early Career Researcher mentored by Champions
- Light Touch – Associate Leads Project

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KTP – Perfect Launch Pad for Graduates

- KTPs last 2-3 years
- Recently Graduate (2.1 Hons; Masters, PhD)
- University employees - based in the business
- Unique project with structured work plan
- Well mentored & Supported
- Competitive salary @ £45K
- £10K development support package
- 10% Time in training & development
- Future Leaders
- 80% Employed
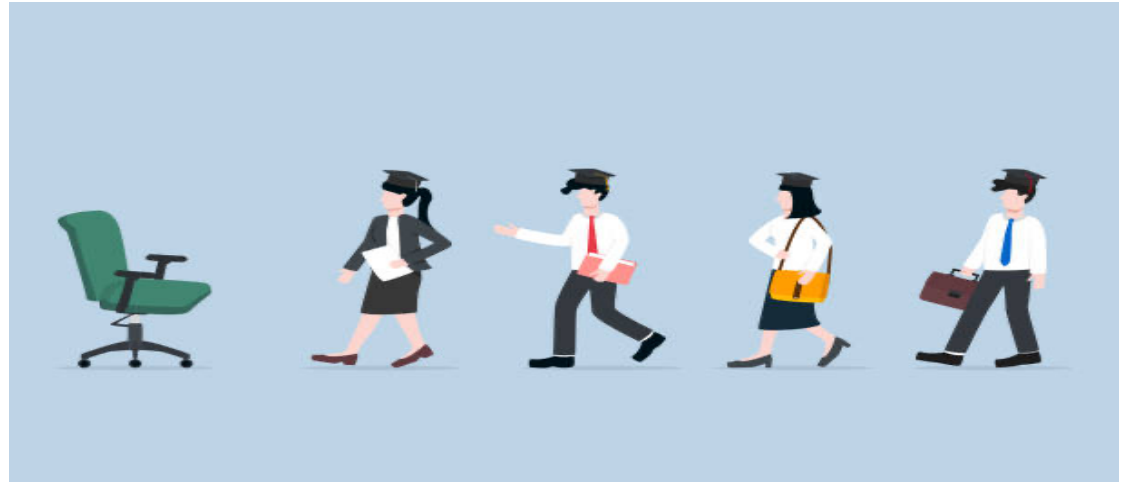
National KTP Awards 2022
Future Leaders – KTP Associate Finalist

KATE TURLEY - CHROMA LIGHTING

"To develop a computing platform to support people with dementia. This platform has the goal to sense behavioural expressions and alter environmental factors in order to reduce stress and increase overall well-being".

What the Assessors said:

"This is a truly multidisciplinary project which required a deep understanding of a range of domains such as software development, systems architecture, clinical studies, research governance, ethics, product design and data science. In all these domains, Kate exceeded the needs of the project".

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Business Impact & Transformation Award 2022

Axial 3D & Ulster University – Luke Donnelly

"to develop a 3D web-based visualisation system, for use by medical professionals, enabling realistic and accurate representation of anatomy at a pre-production stage."

KTP Outcomes:
- 1000% increase in revenue in 2 months
- Increased employment
- Multi Award-Winning KTP solution with impact
- World's first renal operation using 3D printing
- Company's solutions used in 350 hospitals aiming to double next year".

"We have an opportunity in front of us to fundamentally change patient-specific care around the world. We believe that traditional 2D imaging will be replaced by 3D imaging as the basis for new standards of care over the next few years." Roger Johnston, CEO

The UK Government Health Secretary exemplified Axial3D as:

"helping to transform surgery by providing 3D-printed models of specific parts of a patient's own body. Axial3D uses machine learning-based segmentation algorithms to automatically produce patient-specific 3D anatomical models within 24 to 48 hours."

https://drive.google.com/drive/folders/1ITHvZOgwJIyZOS5JxovQh-cNAI6Tjkcd?usp=sharing

How to apply?

www.ulster.ac.uk/jobs

Ulster University Jobs

nijobs.com

https://www.ktp-uk.org/jobs/

JobApplyNI.com

Current KTP Vacancies

Action Mental Health - 016002 - Graduate in Computer Science - KTP Associate

Axial 3D - 016003 - Graduate in Data Analysis - KTP Associate

Axial 3D - Graduate in Product Design - KTP Associate

Closing dates: 13 November 22 @ 23:59

Contact me:

Amanda Fullerton

KTP Programme Manager
Ulster University
Tel: 02871 675074
M: 07967585254
Email: a.fullerton@ulster.ac.uk
W: www.ktp-uk.org
W: ktpenquiries@ktn-uk.org

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