

Job Description

Job Title:	Wound Research Scientist (KTP Associate)
Faculty/Department: Reporting to:	Faculty of Health Sciences/Wound Innovation Centre Dr Holly Wilkinson
Hours of Work Duration:	Full Time - 40 Hours per week 32 months
Job Family: Pay Band:	KTP Band 7 (£38,249) with a dedicated £6,000 training budget for personal development
Benchmark Profile:	KTP Associate
DBS Disclosure requirement:	NO
Vacancy Reference:	JR103329

Details Specific to the Post

Background and Context

The Wound Innovation Centre is at the forefront of UK wound research. It brings together world-leading biologists, engineers and clinical staff to deliver fundamental insight into the mechanisms of wound repair. Supported by £48M investment from Research England and industry, cutting-edge technology, close working with the NHS, and a suite of translational research models, the centre provides a unique environment to develop and evaluate exciting new advanced wound technologies in key areas of unmet clinical need.

This KTP (Knowledge Transfer Partnership) associate role is pivotal to an exciting new KTP between the University of York, University of Hull and Frontier Therapeutics Ltd. Based near Cardiff, Frontier Therapeutics Ltd is a market-leading provider of a range of specialist medical devices to healthcare professionals in the UK and globally. Focussed on Skin & Wound Care Frontier Therapeutics Ltd has strong brands, and a growing international portfolio delivering pressure area care solutions that contribute significantly to patient safety and wellbeing. The Focus of this interdisciplinary KTP is to develop innovative plasma-based wound care products that combine cutting-edge technology with advanced wound expertise, enhancing clinical efficacy and market competitiveness.

Equality, diversity, inclusion and sustainability are central to the Wound Innovation Centre's research culture, and the wider Hull York Medical School's core values. We provide a working environment which allows all staff and students to contribute to their full potential. The Medical School is proud to hold an Athena Swan silver award which recognise our commitment to creating an equitable and fully inclusive environment in which staff and students can thrive. We aim to inspire young people to engage with science through our outreach work. At all levels and across all staff groups we offer a range of family friendly, inclusive employment policies, flexible working arrangements, staff engagement forums, campus facilities and services to support staff from a range of backgrounds.

This KTP project is an exciting and rare opportunity to lead an interdisciplinary wound innovation project working at the interface between academia and industry. You will be primarily based at Frontier Therapeutics Ltd, working closely with key Frontier Therapeutics staff, alongside a second KTP associate. You will be supported by academic experts from Hull (Wound biology and translational models) and York (electronics and plasma science). Working in synergy with the second KTP associate (plasma) you will support device development and lead on evaluating pre-clinical efficacy, safety and benefit for patients. The successful

KTP Associate

applicant for this KTP Associate role will be employed by the University of Hull and primarily based within Frontier Therapeutics at Cardiff Medicentre, Cardiff university Heath Park Campus.

Holiday entitlement will include 25 days per annum excluding public holidays.

Working at Frontier Therapeutics Ltd as a KTP Associate offers a unique opportunity to apply advanced electronics engineering skills in an industrial setting. You will gain valuable exposure to regulatory standards for medical devices, working in a fast-paced, dynamic environment while collaborating across two sites – the Tredegar head office and manufacturing facility, as well as the Cardiff Medicentre. This experience allows you to integrate knowledge to develop solutions compliant with medical device regulations, with direct access to the manufacturing site for a deeper understanding of production processes. Supported by both industrial and academic mentors, this role provides hands-on experience in research and knowledge exchange between Frontier Therapeutics and the University of York and University of Hull.

In addition to the exciting career development opportunities, Frontier offers a range of staff benefits to support your well-being and personal growth. These include Medicash membership, which provides access to a health cash plan, a Perkbox membership with a £5 monthly points allowance for a variety of discounts and perks, and an Employee Assistance Scheme for confidential support. Frontier also offers mortgage advice to help you make informed decisions about your home ownership journey, ensuring that both your professional and personal needs are supported.

Specific Duties and Responsibilities of the post

As a KTP Associate, you will lead this high profile and strategically meaningful project, allowing you to apply your academic achievements in an industrial setting. You are expected to have the confidence and ability to manage your own workloads to ensure outputs, including leading on meetings. You will receive practical and formal training, gain marketable skills, broaden your knowledge and expertise within an industrially relevant project, and be supported by both industrial and academic mentors. You will be responsible for engaging with and embedding new knowledge within both the business partner and the University.

As noted, this position forms part of the Knowledge Transfer Partnership (KTP) scheme funded by Innovate UK, the Welsh Government and Frontier Therapeutics Ltd. It is essential you understand how a KTP works with business and the University, and the vital role you will play if you successfully secure the KTP Associate position. Please visit the university KTP website for further information.

Specific duties include:

- To establish appropriate biological testing facilities at Frontier Therapeutics R&D site in Cardiff
- To lead on pre-clinical product development strategy and end user engagement.
- To apply your knowledge of wound biology and clinical implementation to evaluate the safety and efficacy of prototype plasma devices for wound management.
- To work closely with the second KTP associate to support plasma development activities.
- To work closely with the wider KTP team to align goals and ensure project delivery.
- Work with multiple departments and specialisms to facilitate knowledge transfer between the University of Hull, University of York and Frontier Medical Group
- Willingness to learn new concepts and engage with them proactively and constructively
- Prepare and present progress reports at Local Management Committee (LMC) meetings and other project-related meetings and fora
- Undertake generic and bespoke training aspects of the Knowledge Transfer Partnership (KTP) scheme, including CPD

KTP Associate

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GENERIC JOB DESCRIPTION

The job duties and responsibilities listed below are intended to describe the general nature of the role. The duties and responsibilities and the balance between the elements in the role may change or vary over time depending on the project needs at a specific point in time or due to changing needs in the department. Candidates should note that there may not be an immediate requirement to carry out all the activities listed below.

Overall Purpose of the Role

A KTP Associate post is a career development role which gives graduates an opportunity to manage a challenging project central to a business's strategic development and long-term growth.

Through the KTP project, the KTP Associate will play a key role in managing and implementing tactical or strategic development in the business and transferring knowledge between the business and the University. KTP Associates own their project and are supported by experienced staff from the business and the University.

The KTP Associate will receive close supervision and direction from more senior colleagues and will receive academic and pastoral support and guidance which may include specific training, career counselling and mentoring.

Main Work Activities

Pro-actively contribute to the research project and conduct own research to include:

- Gather, prepare, analyse and interpret data
- Conduct literature and database searches
- Write up and present own research results.

Contribute to the management of research projects to include:

- Contribute to the planning of projects
- Plan own research activity within the framework of the agreed programme.

Prepare reports and papers describing the results of the research for both internal and external publication to include:

- Contribute to the production of research reports and publications
- Present information on research progress and outcomes to bodies supervising research.

Work positively with colleagues in the research team and other collaborators, partners and support staff on routine matters both inside and outside the University:

- Make internal and external contacts to develop knowledge and understanding and form relationships for future collaboration
- Actively participate as a member of the research team which will involve attending and contributing to relevant meetings.

Provide guidance as required to support staff and any project students who may be assisting with the research.

Demonstrate evidence of own personal and professional development including:

- Appraisal, induction and performance reviews
- Participation in training and development activity
- Maintenance of links with professional institutions and other related bodies.

Additionally, the post holder will be required to:

- Fulfil the employee's duties described in the University's health and safety policies and co-operate with the health and safety arrangements in place within the department. May be required to undertake specific health and safety roles on request e.g. display screen equipment assessor, departmental safety officer, fire warden
- Show a commitment to diversity, equal opportunities and anti-discriminatory practices. This includes undertaking mandatory equality and diversity training
- Comply with University regulations, policies and procedures

Please note that a full driving licence will be required for the role.

PERSON SPECIFICATION

Specification	Essential	Desirable	Examples measured by
Education and Training Formal qualifications and relevant training	A PhD in a relevant subject area. Equivalent industry experience also considered	Masters or doctorate in a directly relevant area, such as Wound Biology, Translational Models, Microbiology).	CV Interview
Work Experience Ability to undertake duties of the post	The candidate should have undertaken practical project work successfully in a subject area related to the project.	Experience working with human tissue, particularly skin. Experience working with microbiological techniques and models. Relevant experience of working in a commercial and/or industrial environment.	CV References Interview
Skills and Knowledge Includes abilities and intellect	Keen interest in model development, application and translation to the clinic. Knowledge of the wound regulatory landscape and/or pre-clinical testing pathways. The candidate should be able to organise their own time effectively and independently to prescribed timescales and objectives. The candidate should be able to express themselves both clearly and	Application of complex microbiological models Application of wound biology models Experience with PPI activity and end user engagement/evaluation. Solid foundation in pre-clinical wound model studies, evidenced by publications and/or IP.	Covering letter CV References Interview

	articulately in both verbal and written forms. The candidate should be able to identify work where they have demonstrated accuracy, creativity and attention to detail within that work. The candidate should be able to evidence their competence in IT skills and problem solving. Willingness to work proactively with colleagues in other institutions/Frontier. Willingness to travel between partner sites (Cardiff, Hull and York) to support project delivery. Full driving licence is required.	Experience designing and/or evaluating medical devices in relevant pre-clinical models. Project management experience including: data security, regulations and compliance.	
Personal Qualities Includes any specific physical requirements of the post – (subject to the provisions of the Equality Act 2010)	The candidate should demonstrate that they are self-motivated, able to work both independently and well within a team and that they can deliver desired outputs, deliverables and milestones to agreed deadlines.	Personal and professional integrity, including compliance with academic and/or company policies, such as confidentiality, data security, ethics, health and safety in the workplace, etc.	Covering letter CV References Interview