



Candidate Information

Position:	Health Economist - KTP Associate - Diaceutics
School/Department:	KTP and Business Networks
Reference:	19/107533
Closing Date:	Wednesday 12 June 2019
Salary:	£28,000– £35,000 per annum. One of the key KTP benefits for graduates is access to a £8,500 training and travel budget over the 24 month project.
Anticipated Interview Date:	Wednesday 26 June 2019
Duration:	24 months

Job Purpose

This KTP will deliver and embed pharmaco-economic modelling analysis tools and capabilities in the company that demonstrate the overall value of better diagnostic testing delivered via improved utilisation of precision medicine therapies.

Main Activities and Responsibilities

We wish to recruit a highly skilled and motivated postgraduate to work in Diaceutics in collaboration with Queen's University Belfast for 24 months. Through this Knowledge Transfer Partnership, Diaceutics seeks to deliver and embed pharmaco-economic modelling analysis tools and capabilities in the company. The postholder will be based in Diaceutics in Belfast. This KTP project will focus on the development of pharmaco-economic models that deliver Cost-Effectiveness Analysis within oncology.

The Associate will be expected to develop a high level of technical skills to deal with very large data sets, complex algorithms, identifying relevant data patterns, testing data analytics techniques and models, learning healthcare terminology and use cases, learning health economic application to real life. The insights developed and modelling approach employed will provide a bespoke analytics platform for performing similar analyses in other genomic testing scenarios e.g. colorectal cancer.

The Associate will drive the collection, normalization and cleaning of real-world data to support analysis and engage with the team to ensure data is stored in the Data Lake and kept up to date. The associate will adapt and learn new tools as business demands.

The programme of work will consist of the following major stages:

1. Database establishment and Management
2. Data compiling and formatting
3. Data analysis
4. Model Development
5. Policy Analysis and Development
6. Publication and Dissemination

Planning and Organising

- Manage and coordinate the items of work as laid out in the project plan (individual work plan will be provided by Supervisors).
- Plan day-to-day activity within the framework of the agreed work plan.
- Contribute to the planning and management of the project, approximately 3-6 months in advance.
- Ensure that all training and development activity is scheduled to ensure that progress on the work plan objectives is not interrupted or delayed.

Resource Management and Responsibilities

- Plan and manage day-to-day resources to ensure the project runs to time and on budget.
- Coordinate and obtain approval for planned expenditure/allocation of resources with the Management Committee and Steering Group.
- Carry out supervision of placement students or other staff members as required.

- Monitor travel and development budgets and produce a Personal Development Plan which will ensure best use of financial resources.
- Attend training modules (mandatory and additional job-specific training). This may be local, national and international.
- Perform any other additional duties as agreed by the Local Management Committee and Steering Groups to contribute to the development of the company, the university and the Associate.

Internal and External Relationships

- Present regular progress reports to members of the Steering and Management Groups and to external audiences.
- Liaise with company staff on a daily basis. Contribute to training of staff in the company and university as required.
- Build relationships with both company and university staff to ensure effective working practices are established.
- Attend and contribute to any appropriate meetings, both in the company and the university as required.
- Establish contacts with additional groups and organisations (other KTP Associates, other university departments, other industrial contacts, and Innovate UK) as required to develop knowledge and understanding and form relationships for future collaboration.
- Act as an Ambassador for the Knowledge Transfer Partnership Scheme.

Additional Information

- Knowledge Transfer Partnerships is a UK programme that enables businesses to work with universities to gain access to specialist knowledge and expertise and apply it within their organisation. Each Partnership recruits a Graduate to work in the company, implementing and embedding the latest research techniques. Guidance is provided by the academic and company supervisors to ensure that the objectives of the project are met. Although the scheme is aimed at recent graduates, any suitably qualified individual may apply.
- Each KTP is a fully salaried job that lasts between twelve and thirty six months, providing the graduate with an opportunity to fast track a career in industry. Each KTP Associate has a training and development budget and a travel budget. This funding provides opportunities for job-specific training, attending and presenting at conferences, visiting trade shows, customers and suppliers etc. Two, one week residential management training modules are also provided as part of the package.
- This partnership received financial support from the Knowledge Transfer Partnerships (KTP) programme. KTP aims to help businesses to improve their competitiveness and productivity through the better use of knowledge, technology and skills that reside within the UK knowledge base. This successful Knowledge Transfer Partnership project, funded by UK Research and Innovation through Innovate UK, is part of the government's Industrial Strategy.
- As members of University staff, KTP Associates can join the University pension scheme, gain access to University resources such as the Library and sports facilities.

Essential Criteria

- Hold, or be about to obtain within the next 3-6 months, a PhD in a Health Economics, Stratified Medicine or a closely related discipline.
- At least 2 years relevant work or research experience (this can include time spent on research during a PhD).
- Working experience of STATA, C++ or Excel for health care or health economic modelling.
- Experience of performing statistical modelling and familiarity with advanced techniques.
- Demonstrable work or research experience in healthcare modelling or health economics.
- Understanding of costs associated with precision cancer medicine.
- Ability to write technical reports.
- Experience in writing research papers of publication standard.
- Good oral, written and presentation skills.
- High level of IT skills.
- Ability to think logically, create solutions and make informed decisions.
- A high level of numeracy and the ability to interpret data.
- Ability to work effectively as a member of a group.
- Well organised, attention to detail and ability to meet tight deadlines
- An interest in staying with the Company. (Associates are normally invited to apply for permanent positions).
- Ability to take part in Associate management courses (requiring two one-week periods in England).
- Willing/able to travel throughout the UK and Ireland and abroad, as necessary.

Desirable Criteria

- Experience of performing economic burden of illness studies.

- Experience of performing analytic cost-effectiveness analyses.
- Familiarity with US and European databases on healthcare costs.
- Proficiency in handling large data sets.
- Ability to deliver training and follow-up support to operatives.
- Ability to influence people effectively.
- Tenacious and committed to achieving goals.