

Imperial College London

Job Advertisement Title: Postdoctoral Research Associate (KTP Associate)

Salary: £40,215-£41,938

Location: Imperial College London (Hammersmith Hospital Campus)

Job Summary

A unique opportunity has become available to work full time on a fixed term 36-month Knowledge Transfer Partnership (KTP) between DNA Electronics, London and the Imperial College, London. The program aims to develop a simple and rapid platform for accurate and sensitive analysis of tumour DNA in breast cancer patient's blood using DNAe's proprietary Next Generation Sequencing (NGS) technology. The development of the rapid NGS platform is a multi-disciplinary effort; combining biology, biochemistry, mechanical engineering, electronics engineering, software and bioinformatics. The program will be majorly executed at DNA Electronics, alongside Imperial college and University of Leicester.

This position has a dedicated training budget of up to £2000/ year, tailored for the development in identified professional and personal areas. This position could lead to a fulltime position in DNAe after the successful completion of the contract.

Duties and responsibilities

The successful candidate will be responsible for novel oncology NGS workflow development for DNAe's proprietary semiconductor sequencing platform. Specific responsibilities for this role include leading the early stage technology development of the breast cancer liquid biopsy platform, leading the multidisciplinary effort of platform development by working in close association with other major areas of business, generating and managing all required documentation under DNAe's Quality Management System and working in close association with the Lead academic/ Knowledgebase Supervisor to ensure transfer and documentation of knowledge in a timely and strategic manner.

Essential requirements

You will have a PhD in molecular/cell biology, or a closely related discipline

You will be proficient in in performing or developing next generation sequencing (NGS) workflow

You will have experience in in silico oligo design

You will be able to use your initiative to develop opportunities that maximise commercial and research benefits

You should provide evidence of being able to work independently and as a part of a team

You should be comfortable working with large datasets

Further Information

The post is fixed term for 3 years. Our lab is located in the bustling White City area, where Imperial College London is rapidly expanding; for example, recently the Chemistry department with whom the Bevan lab has close ties has moved to this area, it also encompasses many innovative projects such as the Invention Rooms, Hackspace and several start-up companies. The successful candidates will have access to Imperial College Benefits including the unique and award-winning Post-Doctoral training centre. Interested candidates will have to complete an online application to be considered for the post.

Should you require any further details on the role please contact: Prof. Charles Coombes c.coombes@imperial.ac.uk.

For technical issues when applying online please email recruitment@imperial.ac.uk

The College is a proud signatory to the San-Francisco Declaration on Research Assessment (DORA), which means that in hiring and promotion decisions, we evaluate applicants on the quality of their work, not the journal impact factor where it is published. For more information, see <https://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-evaluation/>

The College believes that the use of animals in research is vital to improve human and animal health and welfare. Animals may only be used in research programmes where their use is shown to be necessary for developing new treatments and making medical advances. Imperial is committed to ensuring that, in cases where this research is deemed essential, all animals in the College's care are treated with full respect, and that all staff involved with this work show due consideration at every level.
<http://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-integrity/animal-research/>

Imperial College is committed to equality of opportunity, to eliminating discrimination and to creating an inclusive working environment. We are an Athena SWAN Silver award winner, a Stonewall Diversity Champion, a Disability Confident Employer and work in partnership with GIRES to promote respect for trans people.

Closing date: **4 weeks from advert**

To see full job description and to apply, visit www.imperial.ac.uk/jobs