

英國徵求博士後職缺簡表 2022 年 12 月份 (7 個職缺)

駐英科技組 整理

英國羅莎琳·富蘭克林研究院 (Rosalind Franklin Institute)徵求 Structural Biology 博士後 研究員

職務名稱：Senior Postdoctoral Research Associate

系所/單位名稱：Harwell Campus

申請人資格：

We are currently seeking a highly motivated postdoctoral research associate to join our Structural Biology theme at the Rosalind Franklin Institute. Building on recent work demonstrating the use of focused ion beams to image cells and tissues (DOIs: 10.1101/2022.08.01.502333; 10.1101/2022.09.21.508877), we now wish to expand these techniques to understand clinical samples. The post is funded by Wellcome, through a project aimed at applying volumetric and electron imaging to enable molecular-scale imaging of disease in the brain. The project aims to use electron cryo-tomography to investigate the structural cell biology of Alzheimer's disease.

Candidates must hold a post-graduate qualification/PhD (or equivalent experience) in cell biology, biochemistry, structural biology, or another relevant subject. We are looking for candidates with a demonstrated ability to deliver project outputs (publications, datasets, patents etc) in a timely manner, the ability to work independently and as part of an interdisciplinary team, as well as strong organisational and communication skills. Experience with formulating research questions and devising strategies to address these questions is essential for this role.

This post would be ideal for a candidate who has worked with multimodal volumetric imaging techniques (cryo or room temperature), with experience in high pressure freezing and other vitrification methods. Experience in the use of advanced electron microscopy techniques would be of major benefit. The ideal candidate would be able to adapt to sample preparation requirements, drive developments in plasma ion technologies and apply them to tissue culture methods. The successful candidate would be expected to make significant intellectual contributions to the group and supervise PhD/DPhil students. In return, the successful candidate will be afforded training in high end (cryo) SEM and TEM methods, with access to latest and beyond state of art equipment.

聘期：Full Time, Period of appointment 3 years' fixed term contract

薪資待遇：£42,500 - £50,500 per annum

受理期間：2023 年 1 月 9 日止

相關細節請參考網址：<https://opportunities.rfi.ac.uk/vacancy/senior-postdoctoral-research-associate-508029.html>

英國癌症研究院 (The Institute of Cancer Research)徵求 Cancer Therapeutics 博士後研究員

職務名稱：Postdoctoral Training Fellow CR-UK Therapeutic Catalyst Grant

系所/單位名稱：Cancer Therapeutics, Professor Terry Rabbitts

申請人資格：

This role will be under the leadership of Professor Terry Rabbitts. We are seeking to appoint a highly motivated Post Doctoral Training Fellow. This project is a part of the of the CR-UK-Therapeutic Catalyst Grant.

The project is focussed on developing chemical compounds that were derived using an intracellular antibody that binds to the T cell acute leukaemia oncogenic transcription factor, LMO2. The first generation Antibody-derived (Abd) compounds have been identified and made into Proteolysis-targeting chimaeras (PROTAC) compounds. The work of this PDTF post will be to develop protocols for successful production of soluble, recombinant LMO2 protein to facilitate structural studies. This will involve X-ray crystallography, NMR and other biophysical methods of studying the protein in complex with the PROTAC compounds and to implement structure-based drug design compounds that will be synthesised by our collaborating chemistry laboratory.

Key Requirements

You should possess a PhD in molecular biology and have experience in working with recombinant proteins, in particular antibodies and transcription factors. You must also have excellent track record with protein engineering and as well as in biophysical methods for assaying protein - ligand interaction, such as X-ray crystallography. Experience with cell-based models, such as 3-D cultures would be required.

聘期：Full Time, fixed term 18 months contract

薪資待遇：Salary Range: £40,107 - £42,402 per annum

受理期間：2023 年 1 月 15 日止

相關細節請參考網址：<https://jobs.icr.ac.uk/vacancies/466/postdoctoral-training-fellow-cr-uk-therapeutic-catalyst-grant-prof-t-rabbitts--id466.html>

英國弗朗西斯·克里克研究院 (Francis Crick Institute)徵求 Immunology 博士後研究員

職務名稱：Postdoctoral Training Fellow

系所/單位名稱：Papagyannopoulos Laboratory

申請人資格：

Postdoctoral Training Fellows are expected to lead their own projects, contribute to other projects on a collaborative basis (both in the lab and with external collaborators) and participate in training PhD students. The ability to work in a team is essential.

Key experience and competencies

- The post holder should embody and demonstrate our core Crick values: bold, imaginative, open, dynamic and collegial, in addition to the following:
- Excellent scientific written skills are necessary. The applicant should have already performed interesting and conceptually stimulating work that has resulted in a first author publication or in the process of being published.

Essential

- PhD in immunology, infection biology, biochemistry or cell biology or in the final stages of PhD submission
- Good knowledge and experience in immunology or biochemistry.
- Technical expertise in biochemical, cell biological and mouse work.
- Track record of writing papers as evidenced by publications or submitted manuscripts in referred journals
- Evidence of data presentation at scientific meetings
- Experience with experimental design is absolutely essential
- Ability to work independently and also capable of interacting within a group

Desirable

- Experience in research with model biological system (mouse)
- Experience in lymphocyte biology, cellular signalling pathways.
- Experience in biochemistry and cellular biology

聘期：This is a full-time, fixed term (4 year) position on Crick terms and conditions of employment.

薪資待遇：From £40,125 with benefits, subject to skills and experience

受理期間：2023 年 1 月 15 日止

相關細節請參考網址：

https://crick.wd3.myworkdayjobs.com/External/job/London/Postdoctoral-Training-Fellow---Papagyannopoulos-Laboratory_R1014-1

英國皮爾布萊特研究院 (The Pirbright Institute)徵求 Avian Immunology 博士後研究員

職務名稱：Postdoctoral Scientist

系所/單位名稱：Avian Immunology research group

申請人資格：

The post holder will broadly work to investigate the immunogenicity and efficacy of novel vaccines against virally-induced cancer model in chickens. Our current projects involve studying the molecular and cellular mechanisms involved in the induction of protective immune responses against viral infections. We are a friendly and multicultural research team composed of principal investigator, three postdocs and two PhD students, collaborating with several groups within the institute and other UK and international Institutions.

The Postdoctoral fellow will be a pivotal member of the team supporting the Avian Immunology research group in delivering excellent science and helping to perform in vivo and in vitro experiments to study host-pathogen interaction as part of the wider Institute scientific strategy. This position will report to the Head of Avian Immunology Group.

Specific requirements - Essential

- A PhD or equivalent in a relevant branch of biosciences
- An excellent record of research productivity, commensurate to the applicant's experience in cellular and molecular immunology and/or virology
- Proven research skills in cellular and molecular immunology
- Familiarity with the existing literature and research in the field
- The ability to manage the day-to-day running of a research project
- Experience in immunology techniques including flow cytometry, cell purification, ELISA, ELISPOT
- Experience in cellular biology techniques including RT-PCR and cloning

聘期：Permanent/Full time

薪資待遇：Band D; Range £35,181 to £38,797.50. Candidates are appointed typically at the starting point, with some flexibility subject to skills/knowledge/experience. Our full range of benefits is outlined at the bottom of the job description.

受理期間：2023 年 1 月 17 日止

相關細節請參考網址：

<https://isw.changeworkknow.co.uk/pirbright/vms/e/careers/positions/dblv4zgHbiZRCUc7xhMUgi>

英國弗朗西斯·克里克研究院 (Francis Crick Institute)徵求 Life Sciences 博士後研究員

職務名稱：Postdoctoral Training Fellow

系所/單位名稱：J DiFrisco Lab

申請人資格：

Our lab is a newly established theoretical biology group existing within a state-of-the-art biomedical research institute. Our general aim is to develop new conceptual frameworks and models for the study of biological complexity, focussing on the intersection of development and evolution. Our work emphasizes the conceptual or philosophical side of theoretical biology, though mathematical and computational approaches are also encouraged. Although we collaborate with experimental biologists inside and outside the Crick Institute, the lab itself does not conduct experiments or have allocated laboratory equipment. Combined membership in our lab with an experimental lab is a possibility, however.

Themes of interest and/or expertise in the group include causal reasoning and inference, evolutionary systems biology, homology and comparative developmental biology, dynamical modelling of developmental processes, notions of biological levels of organization and major transitions in individuality, the evolution of novel cell types, tissues, and organs, developmental system drift, and more.

Postdoctoral Training Fellows will lead their own projects, contribute to other projects on a collaborative basis (both in the lab and possibly with external collaborators) and may guide PhD students in their research. The ability to work in a team is essential. The post comes with no formal teaching duties, but fellows may be asked to contribute to training modules for Crick PhD students and postdocs run by the group leader, depending on expertise.

Essential

- PhD awarded, or in final stages of submission, in life sciences or biology-adjacent field (philosophy of biology also considered)
- Good working knowledge in at least one of the following areas: developmental biology, evolutionary biology, evo-devo, genetics, gene regulation, biophysics, complexity science, mathematical biology, theoretical biology
- Some working proficiency in the methods of conceptual analysis and argumentation in philosophy of science, or willingness to acquire such
- Willingness to constructively engage with research outside one's area of specialization
- Track record of writing papers as evidenced by publications or submitted manuscripts in reputable journals

- Evidence of presentations at scientific meetings

聘期： This is a full-time, fixed term (4 years with potential for an extension of up to 2 years) position on Crick terms and conditions of employment.

薪資待遇： From £40,125 with benefits, subject to skills and experience

受理期間： 2023 年 1 月 20 日止

相關細節請參考網址：

https://crick.wd3.myworkdayjobs.com/External/job/London/Postdoctoral-Training-Fellow---J-DiFrisco-Lab_R1013-1

英國醫學研究委員會倫敦醫學科學院 (MRC London Institute of Medical Sciences)徵求 **Cell Cycle Control** 博士後研究員

職務名稱： MRC Postdoctoral Research Scientist

系所/單位名稱： The Cell Cycle Control team, headed by Dr Alexis Barr

申請人資格：

The Cell Cycle Control team, headed by Dr Alexis Barr, aims to understand how cells enter and exit the cell cycle. Getting the balance between proliferation and quiescence right is vital for normal development and in maintaining tissue homeostasis. We are focussed on understanding how extracellular and intracellular factors impact cyclin-dependent kinase (CDK) activity to drive cell cycle decision-making. Since many of these control networks are dysregulated in cancer, our work could influence how tumours are treated to prevent uncontrolled proliferation of cancer cells.

To address our research questions, we use a combination of high-content fixed and live single-cell imaging, quantitative image analysis, CRISPR/Cas9-mediated genetic engineering, biochemistry, proteomics, screening and modelling.

Job Summary

The successful candidate will be a key member of the Cell Cycle Control group, and will enjoy a high level of scientific responsibility. They will work in a focused and organised manner to produce independent and original research within the group, deliver the scientific aims of the project and aid in the submission of publications to refereed journals. They will also help with supervising students and contribute to the smooth running of the research group.

聘期： The post, which is Full time, Fixed term for 3 years

薪資待遇： £35,143 plus London allowances (£3,727 & £1,402) per annum

受理期間： 2023 年 1 月 24 日止

相關細節請參考網址：<https://mrc.tal.net/vx/lang-en-GB/appcentre-1/candidate/postings/2161>

英國惠康桑格研究院 (Wellcome Sanger Institute) 徵求 Functional Genomics 博士後研究員

職務名稱：Computational Postdoctoral Fellow

系所/單位名稱：the Functional Genomics Group led by Dr Emma Davenport

申請人資格：

This computational postdoctoral fellowship provides an exciting opportunity to lead projects focused on identifying the molecular pathways and genetic variants driving ancestry-specific differences in lupus symptoms.

Systemic lupus erythematosus (SLE) is a heterogeneous autoimmune disease in which the prevalence and severity varies across patients of different ancestry. As part of an international team of experimental, clinical and computational researchers, we are generating whole genome sequencing (WGS), bulk and single cell RNA-sequencing and proteomic data for a large diverse cohort of SLE patients. You will lead the integration of multi-omics datasets, particularly the genetic and transcriptomics data, to further our understanding of the molecular mechanisms underlying the variation we observe in SLE. This is an excellent opportunity to be engaged in all aspects of a large-scale project, from planning and data generation through to analysis and novel discovery.

About You:

You will work closely with collaborators in the UK and Australia. Excellent communication and organisation skills will be essential for delivering the aims of the project. You will have experience in analysing functional genomics datasets.

聘期：Full time, Fixed term/ contract for 3 years

薪資待遇：£34,819-£43,600 per annum

受理期間：2023 年 2 月 10 日止

相關細節請參考網址：<https://www.jobs.ac.uk/job/CVV381/computational-postdoctoral-fellow-in-functional-genomics>