Job Description – Job Title

About the role
A post-doctoral research associate who will be fully engaged in laboratory-based research on tissue culture models of the blood-brain barrier. This project is one component of a major European consortium (Innovative Medicines Initiative), involving more than 20 other research institutes and companies.

Key responsibilities
• Responsible for the further development of a three-dimensional tissue culture model of the blood-brain barrier.
• Responsible for the maintenance and integrity of cell lines – endothelium, glial cells, IPSC-derived cells.
• Responsible for data assembly and statistical analyses, related to the project.
• Responsible for presentation of results to other members of the consortium and drafting of regular reports on findings. Assist with/draft manuscripts, conference presentations.
• Responsible for timely ordering of reagents when required.
• Contribute to technical and academic development of PhD students and visiting researchers.
• Any other related/relevant duties as directed by the project leaders

Other requirements
All staff are expected to Comply with the University’s Health and Safety and Equal Opportunities policies and co-operate with the University in ensuring that Statutory Requirements, Codes of Practice, University Policies and Departmental Health and Safety arrangements are complied with.

Skills and experience
• A PhD in a biomedical science, which has included:
  • Tissue-culture of mammalian cell lines or development of an in vitro model of a physiological system
  • Phenotyping of cells by immunolabelling FACS and/or fluorescence microscopy
  • A range of appropriate cell and molecular biological techniques; for example transfection, isolation of proteins/nucleic acids, PCR, qPCR, western blotting, gel electrophoresis.
  • A demonstrated ability for written and oral scientific communication in English, evidenced by presentations at scientific meetings and peer-reviewed research publications.
  • Excellent record-keeping
  • Ability to work independently and as part of a multidisciplinary research team