The Institute of Cancer Research

Division of Molecular Pathology

Postdoctoral Training Fellow – Image processing

Sutton, Surrey

JOB DESCRIPTION

DUTIES AND RESPONSIBILITIES

- To develop deep learning tools for histopathological image processing through programming in Python, Matlab, or equivalent language
- To use statistical tools for further analysis of spatial data generated from image analysis
- To contribute to the publication of high quality research in the form of papers, patents, and regular presentations at group and cross-institutional meetings.
- To work independently on a defined project and as part of a team, and to consult when appropriate.
- To communicate effectively with other members of the team and collaborators, where necessary, across multiple sites.
- Be familiar with ICR's approach towards risk management including its policies and procedures, which require all staff to play an active part in identifying and managing risk.
- All staff must ensure that they familiarise themselves with and adhere to any ICR policies that are relevant to their work and that all personal and sensitive personal data is treated with the utmost confidentiality and in line with the General Data Protection Regulations.

Any other duties which may be required which are consistent with the nature and grade of the post.

This job description is a reflection of the present position and is subject to review and alteration in detail and emphasis in the light of future changes or development.

To apply please include the following to your application:

- **A full CV with a publication List**
- **Research plan (one to two pages outlining your current research interests and research plans for the next 2 years)**

PERSON SPECIFICATION

Postdoctoral Training Fellow

Criteria	Essential or Desirable?
Education & Knowledge	
PhD in computer science, statistics, engineering or related subjects*	E
Knowledge in biomedicine or histopathology	D
Experience	
Image analysis and machine learning	E
Programming in Python, Matlab, C, R or equivalent languages	E
Deep learning	D
Good publication record	E
Working with medical or histopathology images	D
Working in collaborative research	D
Skills	
Good communication skills and the ability to interact effectively with collaborators	E
Ability to interpret and present results in conferences	E
Excellent communication skills	D
General	
Highly self-motivated with scientific curiosity	E
A keen desire to produce high quality scientific data	E

** as a minimum requirement candidates must have submitted their thesis by the start date of their employment and been awarded their PhD within the six month probationary period.*