

Addendum

This document provides additional information relating to both specific aspects of the post/faculty and any post specific person specification criteria. The information contained within this document should always be read in conjunction with the accompanying generic Job Purpose.

Job Title: Research Assistant in Virology (Maluquer Lab)

Background Information/Relationships

We are seeking to appoint a graduate research assistant to work on host-virus interactions within the molecular virology group led by Dr Carlos Maluquer de Motes. The work will explore how orthopoxviruses (amongst which the recently emerged monkeypox virus) defeat host defenses to establish infection in human skin and immune cells, and how this information can be used to develop novel antiviral strategies. In recent years, the group has identified cellular mechanisms that activate immune responses and how these are modulated by viruses (for a flavour of what we do, see PMID 32948585; PMID 33735254, PMID 30258003). The project will be carried out in a well-established research group in the University of Surrey and directed by Dr Carlos Maluquer de Motes (Senior Lecturer in Molecular Virology), a researcher with 10 years' experience in innate immunity and virology trained at the University of Pennsylvania (USA), Imperial College London (UK), and University of Cambridge (UK). The post is funded by the Rosetrees Trust and candidates are expected to be proactive, excel in organisational and time-management skills, and have excellent interpersonal communication skills.

Person Specification

This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role. This is in addition to the criteria contained within the accompanying generic Job Purpose.

Qualifications and Professional Memberships

**Essential/
Desirable**

BSc in Biomedicine, Biochemistry, Infection, Immunity, or a related field

E

MSc Degree in Biomedicine, Biochemistry, Molecular and Cellular Biology, Virology, Immunology, or a related field

D

Technical Competencies (Experience and Knowledge) This section contains the level of competency required to carry out the role (please refer to the competency framework for clarification where needed and the Job Families Booklet).

**Essential/
Desirable**

**Level
1-3**

Experience conducting research in laboratory settings

D

3

Evidence of inquisitive and innovative mind striving to accomplish high quality work

E

3

Evidence of excellent organisational, communication and interpersonal skills

E

3

Experience working as part of a team (>3-4 people)

E

2

Experience in molecular biology and protein-protein interactions

D

2

Experience in immunity and/or virology

D

2

Special Requirements

**Essential/
Desirable**

**Level
1-3**

Key Responsibilities

This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities (5 to 8 maximum). This should be read in conjunction with those contained within the accompanying generic Job Purpose.

1. To undertake research activities within a specified area, assuming responsibility for the experiments and making use of established research techniques and methods, in consultation with the supervisor and other group members.
2. To engage with other group members and use initiative and creativity to consolidate findings and develop new areas for research.
3. To use established procedures and lab protocols, assisting projects and providing technical support within a multidisciplinary group
4. To critically assess and analyse results of own research, writing them up for internal assessments and presentations.
5. To keep up-to-date laboratory records of own activities and related projects.
6. To apply trouble-shooting skills to research in the laboratory.
7. To carry out administrative tasks associated with the specified research, including risk assessment of research activities, organisation of project meetings and documentation, and arrangement and distribution of laboratory tasks.

N.B. The above list is not exhaustive.