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| Last updated: | 01/09/2020 |

**JOB DESCRIPTION**

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| Post title: | **Research Fellow in Structural Cancer Immunology** |
| Academic Unit/Service: | Cancer Sciences |
| Faculty: | Medicine |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 4 |
| \*ERE category: | Research |
| Posts responsible to: | Professor of Experimental Cancer Biology and Associate Professor in Structural Biology |
| Posts responsible for: | Some supervision of junior research staff, technicians |
| Post base: | Non Office-based (see job hazard analysis) |

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| Job purpose |
| To undertake research in accordance with the specified research project under the supervision of Professor of Experimental Cancer Biology. To undertake leadership, management and engagement activities. |

| Key accountabilities/primary responsibilities | % Time |
| --- | --- |
|  | To drive an area of research (generating data with novel antibody reagents). This will take the form of laboratory experiments and analysis and may include tissue culture, protein production, x-ray crystallography, small angle x-ray scattering and/or molecular dynamics simulations | 65% |
|  | Disseminate findings by taking the lead in preparing publication materials for refereed journals, presenting results at conferences, or exhibiting work at other appropriate events. | 10 % |
|  | Contribute to the writing of bids for research funding. | 5 % |
|  | Collaborate/work on original research tasks with colleagues in other institutions. | 10 % |
|  | Carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control. | 5 % |
|  | Supervise the work of junior research staff and attend all relevant safety and fire lectures. | 5 % |

| Internal and external relationships |
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| Direct responsibility to Professor of Experimental Cancer Biology and Associate Professor in Structural Biology. May be asked to serve on a relevant Academic committee, for example research committee. Collaborators/colleagues in other work areas (Chemistry, Biology, IFLS). |

| Special Requirements |
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| To be available to participate in fieldwork as required by the specified research project. To attend national and international conferences for the purpose of disseminating research results.Some out of hours working as required.*Applications for Research Fellow positions will be considered from candidates who are working towards or nearing completion of a relevant PhD qualification. The title of Research Fellow will be applied upon successful completion of the PhD. Prior to the qualification being awarded the title of* ***Senior Research Assistant*** *will be given.* |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | PhD or equivalent professional qualifications and experience in Structural Biology/Computational Chemistry | Understanding and knowledge of antibody biologyExperience with protein production | All to be assessed by CV and/or Interview |
| Planning and organising | Able to organise own research activities to deadline and quality standards |  |  |
| Problem solving and initiative | Able to develop understanding of complex problems and apply in-depth knowledge to address themAble to develop original techniques/methods |  |  |
| Management and teamwork | Able to supervise work of junior research staff, delegating effectivelyAble to contribute to Academic Unit management and administrative processesWork effectively in a team, understanding the strengths and weaknesses of others to help teamwork development |  |  |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, engaging the interest and enthusiasm of the target audienceAble to present research results at group meetings and conferencesAble to write up research results for publication in leading peer-viewed journalsWork proactively with colleagues in other work areas/institutions, contributing specialist knowledge to achieve outcomes |  |  |
| Other skills and behaviours | Understanding of relevant Health & Safety issuesPositive attitude to colleagues and students |  |  |
| Special requirements | Able to attend national and international conferences to present research resultsSome out of hours working |  |  |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

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| [ ]  Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| [x]  No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

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| **ENVIRONMENTAL EXPOSURES** | **Occasionally** (<30% of time) | **Frequently**(30-60% of time) | **Constantly**(> 60% of time) |
| Outside work  | N/A |  |  |
| Extremes of temperature (eg: fridge/ furnace) | √ |  |  |
| ## Potential for exposure to body fluids | √ |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) | N/A |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: |  | √ |  |
| Frequent hand washing | √ |  |  |
| Ionising radiation  | √ |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** |
| ## Food handling  | N/A |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV)  | N/A |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) | N/A |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers)  | N/A |  |  |
| **PHYSICAL ABILITIES** |
| Load manual handling | √ |  |  |
| Repetitive crouching/kneeling/stooping | N/A |  |  |
| Repetitive pulling/pushing | N/A |  |  |
| Repetitive lifting | N/A |  |  |
| Standing for prolonged periods | √ |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) | N/A |  |  |
| Fine motor grips (eg: pipetting) | √ |  |  |
| Gross motor grips | N/A |  |  |
| Repetitive reaching below shoulder height | √ |  |  |
| Repetitive reaching at shoulder height | N/A |  |  |
| Repetitive reaching above shoulder height | N/A |  |  |
| **PSYCHOSOCIAL ISSUES** |
| Face to face contact with public | N/A |  |  |
| Lone working | √ |  |  |
| ## Shift work/night work/on call duties  | N/A |  |  |