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| Last updated: | 28/Apr/2023 |

**JOB DESCRIPTION**

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| Post title: | Technician/Research Technician | | |
| Standard Occupation Code: (UKVI SOC CODE) | 3111 – Laboratory Technician | | |
| School/Department: | Clinical & Experimental Sciences | | |
| Faculty: | Medicine | | |
| Career Pathway: | Technical and Experimental (TAE) | Level: | 3 |
| Posts responsible to: | Principle Investigators | | |
| Posts responsible for: | N/A | | |
| Post base: | Non Office-based (see job hazard analysis) | | |

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| Job purpose |
| To ensure the provision of effective and efficient technical support to a department and its external customers for a specified research project as part of a **Medical Research Council – Developmental Pathway Funding Scheme (MRC-DPFS) grant 2023** for research into asthma with the title: “***Preclinical efficacy and safety studies of ADAM33 oligonucleotides as new disease-modifying asthma therapy.***” under the supervision of the award holders and principle investigators Dr Hans Michael Haitchi (University of Southampton (UoS)) & Professor Jonathan K. Watts (Institute for RNA Therapeutics, University of Massachusetts (UMass), USA) for at least 2 years. |

| Key accountabilities/primary responsibilities | | % Time |
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|  | To carry out a range of tests, analysing and evaluating the results using specified methodologies, and contributing to the interpretation of results, the development of techniques and the choice of models and approaches. | 60% |
|  | To plan and oversee the provision of specialist technical support for defined research or consultancy projects, interpreting and meeting the requirements of the customer, and deploying defined resources to ensure operational and cost-efficiency. | 5% |
|  | To ensure accurate completion of all documentation, reports and records. | 5 % |
|  | To ensure equipment in the work environment is maintained in accordance with technical and health and safety procedures, diagnosing faults and repairing apparatus as necessary. | 5 % |
|  | To ensure compliance with health and safety processes within work environment. | 5 % |
|  | To advise on the pricing and purchasing of equipment and consumables and ensure adequate stocks of supplies, ensuring finances and work resources are monitored efficiently and appropriately. | 5 % |
|  | To supervise the work of junior technical staff, to ensure work is completed, in an accurate and timely manner. | 5 % |
|  | To train students, junior colleagues and new researchers in techniques and the safe and effective use of equipment, and communicating and liaising with all internal and external users of technical service. | 5 % |
|  | Any other duties as allocated by the line manager following consultation with the post holder. | 5 % |

| Internal and external relationships |
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| Direct responsibility to holders of research award or academic supervisor and senior research fellows.  May have additional reporting and liaison responsibilities to external funding bodies or sponsors or collaborators.  Collaboration and shared working with colleagues in other work areas and institutions. |

| Special Requirements |
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| To be available to work in the lab in Southampton General Hospital and on University of Southampton main campus as required by the specified research project.  To attend, if requested or required, national and international conferences for the purpose of disseminating research results.  *Applications for technician positions will be considered from candidates who have a BSc or equivalent qualification or who are working towards or nearing completion of a relevant MSc qualification.* |

**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | Skill level equivalent to achievement of HNC, A-Level, NVQ3 with proven work experience acquired in relevant technical support roles and job-related training.  Experience, but not exclusive, in RTqPCR, Western blotting, ELISA, Immunohisto/cytochemistry and image analysis.  Experience of applying understanding of specialist technical equipment, processes and procedures.  Able to demonstrate a good understanding of technical processes relating to work area.  Ability to accurately analyse and interpret complex quantitative and qualitative data, presenting summary information in a clear and concise format.  Ability to make effective use of standard office computer systems including word-processing and spreadsheets. | Relevant degree (or equivalent qualification or experience).  Experience or knowledge of research-related animal models and models for respiratory research.  Holding of a home office personal licence.  Experience with clinical research including GCP training.  Financial administration/budget monitoring experience. | CV, application and interview |
| Planning and organising | Able to plan and prioritise a range of one’s own, and the team’s, standard and non-standard work activities.  Ability to successfully plan and deliver technical support of projects over a period of several months. |  | CV, application and interview |
| Problem solving and initiative | Experience of contributing innovative ideas in order to solve technical problems.  Experience of using judgement to find solutions to problems for which no standard procedure exist. |  | Interview |
| Management and teamwork | Experience of providing training/coaching to colleagues and students in relation to technical tasks  Able to solicit ideas and opinions to help form specific work plans.  Able to positively influence the way a team works together.  Able to ensure staff are clear about changing work priorities and service expectations. | Successful supervisory experience.  Ability to effectively allocate to, and check work of staff, coaching/ training and motivating staff as required. | CV, application and interview |
| Communicating and influencing | Able to elicit information to identify specific customer needs.  Able to offer proactive advice and guidance on technical processes and procedures.  Able to communicate and liaise with users of the technical services, both internal and external to the department.  Experience of demonstration skills |  | CV, application and interview |
| Other skills and behaviours | Understanding of relevant Health & Safety issues  Positive attitude to colleagues and students |  | CV, application and interview |
| Special requirements | Willingness to undertake Health and Safety training specific to role. |  | CV, application and interview |

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