

## JOB DESCRIPTION

<b>Job Title:</b>	Research Assistant	<b>Grade:</b>	AC1
<b>Department/School:</b>	School of Science	<b>Date of Job Evaluation:</b>	
<b>Role reports to:</b>	Project Principle Investigator		
<b>Direct Reports</b>	N/A		
<b>Indirect Reports:</b>	N/A		
<b>Other Key contacts:</b>			
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

### PURPOSE OF ROLE:

To main purpose of the role is to conduct high quality research and enterprise in the area of obesity and drug delivery. The person appointed will be expected to:

- Engage in research and enterprise in the area of obesity and in so doing contribute to the research profile of the Department/School and to the 2021 REF submission of the Biomedical Science research group
- Contribute to the delivery of some high quality, innovative and effective education and training in the specialist areas of research and enterprise more specifically the outputs and milestones listed in the Grant application appended for 1 year at 1 FTE *i.e.* the use of protein mediated and exosome mediated delivery of siRNA, antisense and gene editing machinery to cells *in vitro* and *in vivo*
- Contribute to the effective operation of the Research Group and any associated facilities.

### KEY ACCOUNTABILITIES:

#### Team Specific:

- Engage in subject specific research leading to the publication and/or dissemination of original work
- Contribute to the research profile of the academic unit and to the REF submission of Biomeidcal Science research group and undertake defined research and/or enterprise activities under the leadership of a principal investigator as listed on the appended Wellcome Trust Innovator Award Application.

- Support the development of funding bids which contribute to the acquisition of internal and external resources to fund research and/or enterprise
- Support the disseminate research and enterprise findings at national conferences and symposia.
- Engage with the national or regional public/cultural sectors/business, industry/professional bodies in relation to research or enterprise
- Contribute (under the guidance of an experienced lecturer) to the delivery of some high quality, innovative and effective education and training in specialist areas of research and enterprise,
- Supervise undergraduate and masters research projects if requested.
- Proactive contribution to research group/department/school plans, activities and efficient working practices
- Promote your work and represent your discipline and the work of the University internally and externally.
- Contribute to the continuous improvement of the student experience
- Effective cross working with Professional Services to support students
- Support relationship management and engagement with key national or regional public/cultural sectors/business, industry/professional bodies in relation to research and/or enterprise
- Contribute to the general academic administrative work of the Department/School and Faculty

**Generic:**

- Assist the Biomedical Science Research Group in achieving the Department/School's KPIs
- Contribute to department/school plans, activities and efficient working practices
- Demonstrate a commitment to equality, diversity and inclusion through engagement with University initiatives
- Promote your work and represent your discipline and the work of the University internally and externally, and take a proactive approach to ethical, good practice

**Managing Self**

- Keep abreast of developments within the field and seek continuous improvement of own professional practice
- Actively participate in established professional development framework activities
- Behave in a manner which reflects the University values and creates a positive environment for work and study

**Core Requirements**

- Adhere to and promote the University's policies on Equality and Diversity and Information Security
- Ensure compliance with Health & Safety regulations and Data Protection Legislation;
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible

**Additional Requirements:**

Deliver the outputs detailed in the appended grant application

**KEY PERFORMANCE INDICATORS:**

Performance Indicators will be established in consultation with the Grants PI as part of the post-holder's annual Appraisal and Professional Development Review and assessed against the attached associated Gantt chart and milestones listed.

**KEY RELATIONSHIPS (Internal & External):**

Internal

Grant Principle Investigator

Grants Co-investigator

Head of School

**PERSON SPECIFICATION**

<b>Essential</b>	<b>Desirable</b>
<p><b>Experience</b></p> <ul style="list-style-type: none"> <li>• Author or co-author of publications published in peer reviewed journals or conference proceedings pertinent to the use of both protein toxins and the use of exosome mediated delivery of siRNA, antisense molecules and gene editing Cas9 technology.</li> <li>• Co-author of intellectual property relevant to the use of both protein toxins and the use of exosome mediated delivery of siRNA, antisense molecules and gene editing Cas9 technology.</li> <li>• Experience Awareness of external funding for research.</li> <li>• Specialist knowledge in the discipline to support the research area and to deliver some specialist teaching or training programmes.</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>• Specialist research skills appropriate to the appointment including: The isolation of Exosomes loaded with siRNA, Antisense and gene editing machinery.</li> <li>• Mammalian cell culture</li> <li>• The production and use of attenuated protein toxins</li> <li>• Ability to both work independently and (where appropriate) as part of a team</li> <li>• Effective communication skills Outstanding organisational, IT communication and interpersonal skills</li> </ul> <p><b>Qualifications</b></p> <ul style="list-style-type: none"> <li>• Undergraduate or Masters degree in a relevant field</li> </ul> <p><b>Personal attributes</b></p> <ul style="list-style-type: none"> <li>• We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity</li> </ul>	<p><b>Experience</b></p> <ul style="list-style-type: none"> <li>• Supervision of student research activities.</li> <li>• Supervision of postgraduate research students.</li> <li>• Student care and pastoral provision</li> <li>• Dissemination of research and/or enterprise findings at conferences or symposia</li> <li>• Engagement with national or regional public/cultural sectors/business/industry/professional bodies in respect of research</li> </ul> <p><b>Skills</b></p> <p>Confocal microscopy Molecular biology Microbiology</p> <p><b>Qualifications</b></p> <ul style="list-style-type: none"> <li>• PhD in protein mediated drug delivery or related field</li> </ul> <p><b>Personal attributes</b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>