



## JOB DESCRIPTION

<b>Job Title:</b>	Research Assistant
<b>Department / Unit:</b>	Department of Biological Sciences
<b>Job type</b>	Part-Time, Fixed-Term, Research
<b>Grade:</b>	RHUL 6
<b>Accountable to:</b>	Dr Alberto Malerba
<b>Accountable for:</b>	Delivering research support to Dr Malerba's research team.
<b>Purpose of the Post</b>	
To undertake research work with AAV vectors and pharmacological treatments to enhance gene therapy and gene transfer systems in relation to muscular dystrophy. This will include designing and running experiments, recording, analysing results and as part of a team, writing up results.	
<b>Key Tasks</b>	
<p>To be responsible for setting up and running experiments.</p> <ul style="list-style-type: none"> <li>• These may include high technology lab activities such as: cell culture, cell transfection, western blotting, RNA extraction, quantitative PCR and in vivo experimentation.</li> </ul> <p>To maintain a permanent record of experimental details, to analyse and archive data generated from experiments and write up the results.</p> <ul style="list-style-type: none"> <li>• Data will need to be analysed to generate results.</li> <li>• The results will need to be interpreted in the context of the relevant literature.</li> </ul> <p>To contribute to the preparation and presentation of findings of research activity to colleagues and at scientific meetings.</p> <ul style="list-style-type: none"> <li>• Results will be disseminated in scientific meetings (conference abstracts will need to be written and submitted from time to time). The post-holder will have an opportunity to present findings at scientific meetings.</li> </ul> <p>To contribute to writing, submission and revision of manuscripts to be published in appropriate peer- reviewed journals, collaborating with others as necessary.</p> <ul style="list-style-type: none"> <li>• Results and interpretation will be documented in papers that will be prepared for submission to scientific journals for peer-review and publication.</li> </ul> <p>To contribute to the overall activities of the research team and the department as appropriate.</p> <ul style="list-style-type: none"> <li>• The post-holder will be required to contribute to scientific discussion in regular laboratory meetings, advise doctoral students about planning and preparation of their</li> </ul>	

own experiments, and offer advice and opinion on the analysis and interpretation of results.

To contribute to the induction and direction of other research staff and students if so requested by the Principal Investigator.

- New staff and students that may join the laboratory in the future will need to be introduced to practicalities of using specific equipment and software for experiments.

To carry out any other duties as are within the scope, spirit and purpose of the job as requested by the Principal Investigator.

Duties and responsibilities may be amended by the Principal Investigator as necessary, in consultation with the post-holder.

Any other duties as required by the line manager that are commensurate with the grade.

To undergo continued personal professional development

#### **Other Duties**

The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the University. The post holder will be expected to undertake other duties as appropriate and as requested by their manager.

The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.

#### **Internal and external relationships**

The following list is not exhaustive but the post holder will be required to liaise with: Students, other members of staff within the school/department and University, academics in other institutions and, where relevant, industrial, or professional contacts.

## PERSON SPECIFICATION

**Job Title:** Research Assistant

**Department:** Biological Sciences

	Essential	Desirable
<b>Knowledge, Education, Qualifications and Training</b>		
Degree in relevant subject area (Biomedical science or molecular biology)	X	X
MSc in relevant subject area		
Knowledge of research techniques (such as cell culture, cell transfection, western blotting, RNA extraction, quantitative PCR)	X	
In vivo experimentation		X
<b>Skills and/or Abilities</b>		
Basic research skills	X	
Training in quantitative research methods		X
Proven ability to analyse and write up data	X	
Ability to present complex information effectively to a range of audiences	X	
Ability to write complex reports and papers accurately and clearly	X	
Excellent communication skills	X	
<b>Experience</b>		
Experience of working in a research environment	X	
Research experience complementary to the project		X
Experience of interdisciplinary working	X	
Experience of working in the higher education sector		X
Experience of research collaboration		X

Demonstrable commitment to equality, diversity, and inclusion	X	
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