

<b>Job Title:</b>	Research Associate
<b>Department/Division/Faculty:</b>	Molecular Sciences, Institute of Clinical Sciences, Faculty of Medicine
<b>Campus location:</b>	Hammersmith Campus
<b>Job Family/Level:</b>	Academic & Research, Research Associate
<b>Responsible to:</b>	Prof Jesus Gil
<b>Key Working Relationships (internal):</b>	Members of the Cell Proliferation lab
<b>Contract type:</b>	Full-time, Fixed-term from 1 June 2021 until 31 July 2024

### **Purpose of the post:**

This post provides an opportunity for a highly motivated individual to be part of a project aiming to investigate the interplay between splicing and senescence in the context of cancer. The post will study the regulation of splicing during oncogene-induced senescence and the potential of interfering with splicing as a cancer therapy. The post will start on or after 1 June 2021 until 31 July 2024 and is being funded by a grant of CRUK.

### **Key Responsibilities**

#### **Research Duties:**

The specific duties of the post holder are as follows:

- To be able to conduct research in accordance to the project.
- To actively contribute to the smooth running of the laboratory in co-ordination with other members of the group
- To form a good working relationship with other members of the group and actively participate in team work.
- To design and carry out scientific experiments in accordance with the group projects
- To analyse, manage and communicate data, ensuring the validity and reliability of the data at all times
- To generate reagents for the group projects
- To maintain organised and accurate records of experimental data
- To actively participate in the group's research meetings and other research meetings related to the project.

#### **Other duties will include:**

- To undertake appropriate administrative tasks as required
- To undertake any necessary training and/or development

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### Person Specification

<b>Requirements</b>	<b>Essential (E)/ Desirable (D)</b>
Candidates/post holders will be expected to demonstrate the following	
<b>Education</b>	
<b>Research Associate:</b> Hold a PhD (or equivalent) in Epidemiology or medical statistics or a closely related discipline	E
<b>Research Assistant:</b> Near completion of a PhD (or equivalent) in Epidemiology or medical statistics or a closely related discipline	
Home Office Animal license	D
<b>Knowledge/Experience</b>	
At least one first-author publication in an internationally recognised peer-reviewed journal (published)	E
Background in cellular senescence	D
Experience in retroviral and lentiviral infections	D
Experience in siRNA screens	D
Experience in drug screens	D
Experience in using high throughput microscope such as InCell	D
Experience in using Incucyte live imaging microscopes	D
Experience in animal work	E
<b>Skills &amp; Abilities</b>	
Capable of working in a team, but able to plan and work independently	E
Excellent communication skills and fluency of the English language	E
Excellent written communication skills and the ability to write clearly and succinctly for publication	E
Ability to critically review project progress, and to provide intellectual input into the continued development of research	E
Ability to conduct a detailed review of recent literature	E
Ability to develop and apply new concepts	E
Excellent analytical skills	E
Creative approach to problem-solving	E
Ability to plan ahead and organise time effectively	E
Ability to accurately document work and keep clear records of the experiments being performed	E
Good working knowledge of standard software and scientific applications	E
Strong attention to detail and focus on high quality work	E
Ability to work constructively, open minded and effectively within a small team	E
Advanced programming skills	E
<b>Other</b>	
Willingness to work as part of a team and to be open-minded and cooperative	E
Willingness to work flexible hours as work demands	E
Discipline and regard for confidentiality and security at all times	E
Willingness to travel both within the United Kingdom and abroad to conduct research and attend conferences	E
Willingness to undertake any necessary training for the role	E
Proactive and flexible attitude to work with the ability to learn new concepts and technologies	E

Please note that job descriptions cannot be exhaustive and the post-holder may be required to undertake other duties, which are broadly in line with the above key responsibilities.

Imperial College is committed to equality of opportunity and to eliminating discrimination. All employees are

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expected to follow the [7 Imperial Expectations](#) detailed below:

- 1) Champion a positive approach to change and opportunity
- 2) Encourage inclusive participation and eliminate discrimination
- 3) Communicate regularly and effectively within and across teams
- 4) Consider the thoughts and expectations of others
- 5) Deliver positive outcomes
- 6) Develop and grow skills and expertise
- 7) Work in a planned and managed way

Employees are also required to comply with all College policies and regulations paying special attention to:

- Confidentiality
- Conflict of Interest
- Data Protection
- Equal Opportunities
- Financial Regulations
- Health and Safety
- Information Technology
- Smoking
- Private Engagements and Register of Interests

They must also undertake specific training and assume responsibility for safety relevant to specific roles, as set out on the [College Website Health and Safety Structure and Responsibilities](#) page.

*The College is a proud signatory to the San-Francisco Declaration on Research Assessment (DORA), which means that in hiring and promotion decisions, we evaluate applicants on the quality of their work, not the journal impact factor where it is published. For more information, see <https://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-evaluation/>*

*The College believes that the use of animals in research is vital to improve human and animal health and welfare. Animals may only be used in research programmes where their use is shown to be necessary for developing new treatments and making medical advances. Imperial is committed to ensuring that, in cases where this research is deemed essential, all animals in the College's care are treated with full respect, and that all staff involved with this work show due consideration at every level.*

*<http://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-integrity/animal-research/>*

*Committed to equality and valuing diversity, we are an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Disability Confident Employer and work in partnership with GIRES to promote respect for trans people.*