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Research Associate

Department/Division/Faculty:	Department of Surgery and Cancer, Division of Cancer
Campus/Location:	Charing Cross campus
Job Family/Level:	Research Job Family, Research Associate (Salary Pay Scale)
Responsible to:	Dr Matt Williams
Line management for:	n/a
Key working Relationships (Internal):	Ms. Kerlann Le Calvez, Dr. Jonathan Gregory
Contract type:	Part-time, Fixed Term, until 22 nd Feb 2028

Purpose of the Post

This post is funded by Macmillan Cancer Care as part of follow-on funding for the INDIGO trial. This was a large-scale quality of life in cancer survivorship study, and has recruited 70 000 patients nationally.

They will be based in the Computational Oncology Group to support the analysis, interpretation and publication of data from the trial, and contribute to the development of new analyses and work going forward. They will also have the opportunity to work with other staff in the lab to develop novel joint projects.

The post holder will design and conduct the analysis of data from the trial to meet grant funding milestones, provide support to the research group and under/post-graduate students.

This work is funded by Macmillan Cancer Care, and the focus of the project is on developing a firm analytical understanding of the INDIGO data – and related literature – to lay a firm foundation for improving the health, wellbeing and care of people with cancer.

Key Responsibilities

- To take initiative in, and responsibility for, the careful planning of research
- To lead on the delivery of contracted research aims
- To actively participate in the research programme of the team including postdocs and PhD students in the wider team.
- To abide by all local and national regulations regarding data governance and privacy
- To appropriately process and store data samples from both patients and volunteers
- To design and conduct data analysis
- To ensure the validity and reliability of data at all times

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- To develop and apply novel methods of data analysis, including machine learning and logic-based methods.
- To write reports for submission to research sponsors
- To publish in high quality journals
- To present findings to colleagues, and at national and international conferences
- To participate in team research meetings and internal seminars
- To assist in the supervision of undergraduate and postgraduate research students as required
- To attend relevant workshops and conferences as necessary
- To collaborate with other allied scientists within Imperial College and elsewhere in London and abroad, as appropriate
- To contribute to the smooth running of the Group's laboratories and facilities, communicating effectively with other scientists, technicians and students within the laboratories
- To promote the reputation of the Group, the Department and the College
- To comply with the College, Division, and Unit safety practices and to attend courses on safety when appropriate
- Any other duties as may be deemed reasonable by Head of group as well as Head of Division/Department/Section.

Person Specification

Requirements

Candidates/post holders will be expected to demonstrate the following:

**Essential (E)/
Desirable (D)**

Education

A PhD in Computer Science or related technical field (E)
**Candidates who have not yet been officially awarded their PhD will be appointed as Research Assistant.*

Knowledge & Experience

Knowledge of common machine learning analysis and presentation software packages and tools (E)

Previous experience in a computing research laboratory environment, including the design, implementation and testing of novel computational approaches (E)

Practical experience in the analysis of tabular clinical datasets (E)

Familiarity with key data protection and information governance standards (E)

Good working knowledge of statistics, and the implementation of statistical tests in software (E)

Experience in carrying through and writing up a laboratory-based project (E)

Skills & Abilities

Excellent organisation, time-management and team-working skills (E)

Driven and self-motivated (E)

Ability to conduct a detailed review of recent literature (E)

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Ability to develop and apply new concepts	(E)
Creative approach to problem-solving	(E)
Excellent verbal communication skills and the ability to deal with a wide range of people	(E)
Excellent written communication skills and the ability to write clearly and succinctly for publication	(E)
Ability to prioritise own work in response to deadlines	(E)
Personal Attributes	(E)
Willingness to work as part of a team and to be open-minded and cooperative	(E)
Flexible attitude towards work	(E)
Willingness to undertake any necessary training for the role	(E)
Willingness to travel both within the United Kingdom and abroad to conduct research and attend conferences	(E)
Willingness to work out of normal working hours (including weekends) if the requirements of the project demand	(E)

Other Requirements

The post holder should be prepared to work unsociable hours as work with time-sensitive and time-dependant experiments may arise from time to time	(E)
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Further Information

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.

[Our values](#) are at the root of everything we do and everyone in our community is expected to demonstrate Imperial:

- Respect
- Collaboration
- Excellence
- Integrity
- Innovation

Employees are also required to comply with all Imperial policies and regulations.

We are committed to equality of opportunity, to eliminating discrimination and to creating an inclusive working environment for all. We encourage candidates to apply irrespective of age, disability, marriage or civil partnership status, pregnancy or maternity, race, religion and belief, gender reassignment, sex, or sexual orientation. You can read more about our commitment [on our webpages](#).

Imperial 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/>

Imperial 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 which are ultimately aimed towards finding new treatments and making scientific and medical advances, and where there are no satisfactory or reasonably practical alternatives to their use. Imperial is committed to ensuring that, in cases where this research is deemed essential, all animals in our care are treated with full respect, and that all staff involved with this work show due consideration at every level. [Find out more about animal research at Imperial.](#)

November 2026