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**Application Form:**

CRUK Convergence Science Centre Black Leaders in Cancer PhD studentship

**CRUK Convergence**

**Science**

**Centre**

**CRUK Convergence Science Centre Black Leaders in Cancer PhD Studentship Proposal Application Form**

This form must be completed and submitted electronically, please do not submit a scanned document. If successful, aspects of the information will appear on external websites to advertise the studentship.

**Notes on completing the form:**

Please read the accompanying guidelines for this studentship.

Please complete all sections of the form and refer to the accompanying guidelines before doing so. Completed forms should be emailed to [icr-imperial-convergence.centre@imperial.ac.uk](mailto:icr-imperial-convergence.centre@imperial.ac.uk), using the email title **Black in Cancer** **PhD Studentships 2025**.

**PROPOSAL SUBMISSION DEADLINE: 5 pm, 16th October 2024**

**Funding decision: November 2024**

**Funding commences: October 2025**

Applicants are advised to read the MIT White Paper “[The Third Revolution: The Convergence of the life sciences, physical sciences and engineering](http://www.aplu.org/projects-and-initiatives/research-science-and-technology/hibar/resources/MITwhitepaper.pdf)” which outlines key concepts of convergence science.

Cancer Research UK Case Studies on multidisciplinary research which can found [here](https://www.cancerresearchuk.org/funding-for-researchers/research-features/2016-11-04-combining-models-and-molecules-to-understand-metastasis) and [here](https://www.cancerresearchuk.org/funding-for-researchers/research-features/2016-12-06-bubbles-ultrasound-and-radiotherapy-creating-a-new-approach-to-drug-delivery).

These articles are key examples of convergence research and give insights on the type of proposals we are looking for.

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| **Proposal Title:** |
| **Lead Supervisor 1 (Main Contact)**  *If based at ICR, please complete the Research Degree Supervisor Form*  **Name:**  **Institution/Department**:  **Email:**  **Phone number:**  **Number of research degree students previously supervised to completion**:  I confirm that I will hold my (academic) position until the end of the studentship (Sep 2029) |
| **Lead Supervisor 2**  **Name**:  **Institution/Department**:  **Email**:  **Phone number**:  **Number of research degree students previously supervised to completion**:  I confirm that I will hold my (academic) position until the end of the studentship (Sep 2029) |
| **Additional Supervisor(s) e.g. Backup/Institute Recognised Supervisor Partner\***  **Name**:  **Institution/Department**:  **Email**: |
| **Additional Supervisor(s) e.g. Associate**  **Name**:  **Institution/Department**:  **Email**: |
| Tick to confirm that you agree to participate in Black in Cancer Programme. |
| Tick to confirm that the project is cross-institutional (i.e. there is at least 1 supervisor from Imperial College London, and 1 from Institute of Cancer Research (ICR). |
| Tick the box to confirm that you can provide a potential student with appropriate office/lab space and necessary equipment to complete their work |
| We agree to contribute to the training of the students throughout the duration of the 4-year PhD as requested by the Convergence Science Centre. This includes (but not limited to) participation of supervisors in seminars and workshops and involvement with Convergence Science Centre activities |
| Please tick the box to confirm that all investigators agree to participate in Patient Involvement and Outreach activities |
| Please tick the box to confirm that this is a joint application between all supervisors who will share equal responsibility for the studentship |
| ICR applicant:  Tick the box to confirm that you have sought and received your Head of Division approval to apply for a studentship |
| Imperial applicant:  Tick the box to confirm that you have sought and received your Head of Department /Division approval to apply for a studentship |

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| **Proposal outline** (*up to 1000 words*)  (Outline the scientific aims and approaches to be employed explaining why this meets our remit, in particular the application of novel approaches to address the research question and any translational potential; include any relevant preliminary data that support your hypothesis; no more than 1 additional page of figures and figure legends may be included but these should not be used to add further experimental details) |
| **Feasibility** (*up to 300 words*)  (Describe the suitability of the project for a PhD, include a timeline describing how the project will be achieved in four years) |
| **Convergence Science Approach** (*up to 500 words*)  (State the novelty of the technologies and methodologies that will be developed from the different disciplines to be employed. Outline the roles and contributions of the supervisors/teams, provide a tailored strategy for training the student in convergence research. This might include taught modules, technical training courses etc. Explain how students will share their time across the participating teams). |
| **Research Theme Alignment** *(up to 300 words)*  (Identify the priority themes to which your work aligns and outline how your work addresses the [Research theme(s).](https://www.convergencesciencecentre.ac.uk/research/resesearch-themes) |
| **Literature references**  (Provide a bibliography of any cited literature in the proposal). |
| **Proposal summary** (*max 400 words*)  (Please provide a short summary that accurately describes your proposal. This summary will be used for advertising the PhD projects) |

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| **Advertising details**  (Key words or short phrases that students might type into search engines for PhD projects similar to yours).  1.  2.  3.  4.  5.  6.  7. |
| **Project suitable for a student with a background in:**  Please tick all that apply:  Life Science  Chemistry  Computer Science  Physics or Engineering  Mathematics, Statistics, Epidemiology  Other (please detail below) |

*NB: Convergence science projects (cross-institutional) should have a joint lead supervisor from at least two different disciplines. Lead supervisor 1 should be based at the institution where the student would normally have primary registration. For single institutional led proposals – Lead supervisor 1 is the primary supervisor whereas leader supervisor 2 is the secondary supervisor.*

*\* The Backup supervisor should be based at the same institution as the Lead supervisor 1,* and must have IRS Status (if at the ICR).