

**Application Form:**

CRUK Convergence Science Centre PhD studentships

**Convergence**

**Science**

**Centre**

**CRUK Convergence Science 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 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, using the email title **Convergence Science PhD Studentships 2020**.

**SUBMISSION DEADLINE: 5pm, 23rd November 2020**

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:** |

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| **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**: |
| **Lead Supervisor 2****Name**:**Institution/Department**:**Email**:**Phone number**:**Number of research degree students previously supervised to completion**: |
| **Additional Supervisor(s) e.g. Backup/Institute Recognised Supervisor Partner\*\*****Name**:**Institution/Department**:**Email**: |
| **Additional Supervisor(s) e.g. Associate****Name**:**Institution/Department**:**Email**: |

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| Please tick the box to confirm that you can provide a potential student with appropriate office/lab space and necessary equipment in both teams **[ ]**  |

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| ICR lead applicant:Please tick the box to confirm that you have sought and received your Head of Division approval to apply for a studentship **[ ]**  |
| Imperial lead applicant:Please 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 convergence science merit/rationale and 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 250 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 750 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 250 words)*(Identify the priority themes to which your work aligns and outline how your work addresses the priority theme(s).  |
| **Literature references**(Provide a bibliography of any cited literature in the proposal).  |

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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. |
| **Project suitable for a student with a background in:**Please tick all that apply:**[ ]** Life Science **[ ]** Clinical Science**[ ]** Chemistry**[ ]** Computer Science**[ ]** Physics or Engineering**[ ]** Mathematics, Statistics, Epidemiology**[ ]** Other (please detail below) |

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| 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 **[ ]**  |

*\*NB: Each project should have a joint lead supervisor from at least two different disciplines. Lead supervisor 1 should be based at the institution where the student will be registered.*

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