| SUPERVISOR DETAILS | Supervisor 1 | Supervisor 2 | Supervisor 3 | Supervisor 4 |
| --- | --- | --- | --- | --- |
| Name |  |  |  |  |
| CID (IC only) |  |  |  |  |
| Address |  |  |  |  |
| Email |  |  |  |  |
| *Tick appropriate1* | Physical  Biological | Physical  Biological | Physical  Biological | Physical  Biological |
| I confirm that I will hold my (academic) position until the end of the studentship (Sep 2027) | | | | |
| *Tick to confirm* |  |  |  |  |
| ICB core activities I agree to be responsible for (see ANNEX) | | | | |
| *Please enter at least one number per supervisor, at least three in total* |  |  |  |  |
| Contributions to the MRes teaching / training curriculum that you could offer (see ANNEX below) |  |  |  |  |
| We confirm that we can provide a potential student with appropriate **office**/**lab space** and necessary **equipment, including a workspace computer** | | | | |
| *Tick to confirm* |  | | | |
| We have read, understood and agree to the conditions described in the Application Guidelines document, including the participation of supervisors in seminars and workshops | | | | |
| *Tick to confirm* |  | | | |

##### 1 See guidelines for definitions, in short “Physical” refers to e.g. physical / engineering / mathematical sciences/ industry 4.0 expertise and “Biological” refers to e.g. medical / life / agri / personal care sector sciences.

| REVIEW | Suggested Reviewer 1 | Suggested Reviewer 2 |
| --- | --- | --- |
| Each proposal will be reviewed by up to 8 ICB Research board members. However, in addition the applicants may suggest IC academics that have the expertise to review this application. | | |
| Name |  |  |
| Email |  |  |
| Expertise |  |  |
| We don’t want this application to be reviewed by non-IC reviewers (Industry ICB Research Board members) | | |
| *Tick to confirm* |  | |
| *If ticked, explain why* |  | |

|  |  |
| --- | --- |
| PROJECT OVERVIEW | |
| Project Title |  |
| Project Abstract |  |
| Keywords |  |
| Advertisement | *Tick to confirm that the information above can be published online should this project be awarded and advertised*  *Tick to notify us that this project abstract will require modification and/or industry partner sign off before publishing* |

### ASSESSED COMPONENTS

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| SCIENCE (Threshold 3.0/5.0) |
| What is the biological problem being tackled? Describe the scientific remit and impact of the project, particularly with respect to achievability, access to resources and fitness to ICB remit? Please note that the remit of the new CDT can accommodate projects that focus on specific molecular interactions as well as multi-scale biological frameworks. See attached documents for information outlining the new ICB CDT remit. |

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| PHYSICAL SCIENCE INNOVATION (Threshold 5.0/10.0) |
| What is the **new** tool or technology that will be developed or translated to address the biological problem described above? |
| *Please highlight the nature of the physical sciences* ***innovation*** *and how this differs from/ builds upon existing technologies. Describe the scientific merit of the project with respect to innovation and competitiveness on an international level.* |

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| MULTIDISCIPLINARITY (Threshold 4.0/6.0) |
| *Describe roles and contributions of the supervisors and the relevance of this research to the physical sciences/biological sciences interface. Please ensure that you highlight the multidisciplinary nature of both, the MRes and PhD, components*. |

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| FEASIBILITY (Threshold 5.0/10.0) |
| Describe the suitability of the project for the 1+3 MRes/PhD model (i.e. define what aspect of the project will be carried out during the MRes year). Comment on the overall achievability and the access to resources. |

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| RESPONSIBLE RESEARCH & INNOVATION (Threshold 3.0/5.0) |
| Explain how the project was designed with Responsible Research and Innovation (RRI) in mind. e.g. Is the topic you are researching potentially controversial? Is there a significant ethical or moral component? For more information on RRI please go to: <https://www.ukri.org/councils/epsrc/guidance-for-applicants/what-to-include-in-your-proposal/health-technologies-impact-and-translation-toolkit/research-integrity-in-healthcare-technologies/responsible-research-and-innovation/> |

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| IMPACT (Threshold 2.5/4.0) |
| Describe the intended impact/ scientific merit that would arise from this work. This can include novel biological insight, a translational element (e.g. how the application of the new technology could be applied to other biological problems) and / or any other added value that the project can bring to the ICB CDT, such as outreach, new collaborations (with companies) and follow-on funding. |

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| INDUSTRY 4.0 (Threshold 3.0/5.0) |
| Describe how the project and student training therein is aligned with industry 4.0 technologies. This could include but be restricted to aspects of automation, additive manufacturing / 3D printing, AI, machine learning, augmented reality, cloud computing, big data and analytics and the Internet of Things. |

### ANNEX

Successful applicants will be expected to contribute throughout the duration of the 4-year ICB PhD studentship to the training of our cohorts in both the MRes and PhD years as requested by the MRes course or ICB Directors. This includes (but is not limited to): marking of assessments; tutoring; mentoring.

In addition to this, we would request that you select at least three of the below ICB core activities to be responsible for if you are awarded a studentship:

1. Co-organise an ICB CDT colloquium
2. Give a talk at an ICB CDT colloquium or CDT Winter School
3. Co-organise an ICB CDT careers seminar
4. Supervise ICB CDT cohort site visits to industry partners
5. Contribute to MRes taught training (e.g. lectures, group learning seminars)
6. Contribute to the ICB CDT newsletter/ website
7. Attend and act as tutor at a ICB CDT transferable skills course
8. Take part in industry hackathons
9. Act as member of judging panels at events such as the ICB CDT Tech Accelerator
10. Act as an member of an ICB CDT expert panel to mark future proposals
11. Take part in ICB CDT technology showcase events / SME workshops
12. Join the ICB CDT BOOST mentoring programme (giving advice to student pursuing independent research or starting up their own companies)
13. Act as an ICB CDT cohort mentor for 1 year (includes visiting students at residential courses)
14. Other Click or tap here to enter text.

***Page limit***

*Please complete your application by entering your text into each section of this form. Please do not use a font less than 10 pt Arial and return in file format doc or docx to Emma Pallett* [*e.pallett@imperial.ac.uk*](mailto:e.pallett@imperial.ac.uk)*. The full length of the application should* ***not exceed 4 pages****. The form tables and annex* ***will not*** *be included in the page count,* ***but do not remove the annex****.*

***Deadline***

***Wednesday 23rd November 2022, 9 am****.*