# CDT group challenge – project proposal

Students will conduct a group research project during the first 10 weeks of Semester 2. They will work in groups of 2-3 on an application of AI to a biomedical problem.

**General guidelines:**

* Each project must have two supervisors who jointly have expertise in biomedicine and AI/computational methods.
* Students are expected to consider the social and ethical implications of their work throughout, seeking the input of a social sciences mentor where necessary.
* Assessment will consist of a joint written report to be marked by one of the supervisors and another member of staff independent of the supervisory team.
* Datasets must be available at the time of project proposal.
* Please ensure that this proposal form is signed by both supervisors

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| Project title:Date:  |
| **Biomedical supervisor**Name:School/Institute:Email:Signature: |
| **AI/Computational supervisor:**Name:School/Institute:Email:Signature: |
| **Social Sciences mentor:**Name:School/Institute:Email:Signature: |
| **Project Summary (<100 words):**  |
| How will the interdisciplinary collaboration work? (<100 words)*Describe the individual roles of supervisors and supervision arrangements.* |
| What data will be analysed? *Describe the data types and size.* |
| **Responsible research and innovation:***Describe aspects of the project that relate to issues in responsible research and innovation.* |
| **Does the project require specific computing resources?** |
| **Does the project require special remote working arrangements?** |
| Likely project outcomes/significance: *Briefly detail the expected outcomes of the project and significance of these for biomedicine/health sciences.* |
| Are there confidentiality issues of which the CDT Board need to be aware?*List all pertinent issues such as those relating to competitors or storage of medical records.* |
| Data availability statement:*Please confirm here that the specified data is available at the time of submission of this proposal (18 October 2021). If this is not the case, please include here a detailed plan to ensure the data will be available by the end of Semester 1 (21 December 2020). We ask you to consider the relevant logistics and timelines in cases where data are held under restricted-access servers or require prior approval for access or use.**Due to the limited duration of these projects, we will only consider projects that ensure data availability by 21 December 2021, in a format readily usable by our students.* |
| Additional notes*Provide any other relevant information e.g. collaborators, industrial partners, translational potential, risk factors.* |
| References*Please provide a comprehensive list.* |