**2022/2023 Summer Research Project Description**

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

|  |  |
| --- | --- |
| **Project title:** | **Modelling cultural evolution** |
| **Project duration, hours of engagement & delivery mode** | Project duration and hours of engagement flexible – 6-10 weeks and 20-36 hours per week. Project can be completed with remote working arrangement, though onsite availability preferred. |
| **Description:** | Cultural evolution is purported to involve change and development of cultural features analogous to the evolution of biological features by natural election.  The aim of the project is to use mathematical and/or agent-based modelling to interrogate the feasibility of processes relating to cultural evolution. |
| **Expected outcomes and deliverables:** | Students will gain experience in complex modelling and develop their evolutionary reasoning abilities. Projects may (or may not) lead to publishable papers. |
| **Suitable for:** | Suitable for students who are talented and motivated in statistics, maths, and evolutionary biology/psychology/genetics. |
| **Primary Supervisor:** | Assoc. Prof. Brendan Zietsch |
| **Further info:** | Please contact me at [zietsch@psy.uq.edu.au](mailto:zietsch@psy.uq.edu.au) before applying or for further information. |