**UQ Winter Research Project Description**

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| **Project title:** | **Epigenetic therapy for stem cell fate choice** |
| **Project duration, hours of engagement & delivery mode** | *4 weeks and applicant will be required on-site at Herston Campus for the project. Hours of engagement: 36 hrs per week* |
| **Description:** | This project involves with cell culture and downstream analysis of stem cell differentiation fate choice under certain microenvironment. The epigenetic mark changes will be evaluated using enzyme-linked immunosorbent assay, Immunocytochemistry, and other relevant molecular biology techniques |
| **Expected outcomes and deliverables:** | The student may gain skills into experiment design, be involved in specific lab techniques and generate convincing research data. Students will need to produce a report and oral presentation at the end of their project. |
| **Suitable for:** | This project is open to applications from students with a background in Biological Science and Molecular Biology from 3rd – 4th year students only. |
| **Primary Supervisor:** | Dr Pingping Han |
| **Further info:** | Please contact Dr Han ([p.han@uq.edu.au](mailto:p.han@uq.edu.au)) if you want more details about the project. |