

## UQ Winter Research Project Description

<b>Project title:</b>	Targeting replication stress in high grade serous ovarian cancer
<b>Project duration:</b>	Please outline the exact number of weeks of the project (min 4 weeks – Max 5 Weeks)  <i>5 weeks</i>
<b>Expected hours per week (Min. 20 hrs, Max 36 Hrs )</b>	36 h
<b>Number of Positions Available:</b>	1
<b>Campus (Eg. TRI, Aubigny Place)</b>	TRI
<b>Description:</b>	Please insert a project description to give applicants a comprehensive overview of the project.  <i>Here we will investigate CHK1 inhibitors (CHK1i) combined with low dose of hydroxyurea synergise with endogenous replication stress to selectively kill high grade serous ovarian cancer (HGSOC) cells. Hypothesis: HGSOC have elevated levels of replication stress and are sensitive to CHK1i in combination with low dose hydroxyurea (HU).</i>
<b>Expected outcomes and deliverables:</b>	Please highlight what applicants can expect to gain/learn from participating in the project, and what they will be expected to complete as a part of the project.  <i>The project will use in vitro cell lines to determine whether HGSOC cell line and tumour spheres developed from these are sensitive to the CHK1i+LDHU combination. Wil also investigate the effects of these treatments on markers of DNA damage and replication stress, and the STING pathway.</i>
<b>Suitable for:</b>	Please highlight any particular qualities that individual supervisors are looking for in applicants to assist with the selection process.  <i>This is suitable for a 4+ year student with lab skills</i>
<b>Primary Supervisor:</b>	Prof Brian Gabrielli
<b>Further info:</b>	Prof Brian Gabrielli, Mater Research-UQ
Will you be collaborating with an external organisation on this project (for example NGO,	no

government  
agency or private  
industry)? If yes,  
please state which  
organisation?