2018/19 UQ Summer Research Scholarship Program

Research Projects offered by Faculty of Science Schools

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How to apply

The UQ Summer Research Scholarship Program is offered by a number of schools in the Faculty of Science during the summer vacation period (mid-November to mid-February). This document provides you with a list of available projects.

1) Browse the projects. You may select a school from the table of contents above to be taken directly to their listed research projects.

2) Contact a potential supervisor in the area of your interest, or the contact person listed, to discuss your interest to undertake their research project. Gain the research project supervisor’s tentative approval, and include this with your full UQ Summer Research Scholarship application.

3) Submit your application via StudentHub
School of Agriculture & Food Science

For a list of research opportunities that are available within SAFS in 2018/2019, please visit the School webpage and search within the applicable discipline: https://agriculture.uq.edu.au/research/projects
## School of Biological Science

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<thead>
<tr>
<th>Supervisor</th>
<th>Duration:</th>
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| **Contact Details:** | Telephone –  
Email – |

**Expected outcomes -**

**Suitable for -**

**Other important details -**
## School of Chemistry & Molecular Bioscience

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**Contact Details:**
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**Expected outcomes -**

**Suitable for -**

**Other important details -**

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*Faculty of Science Summer Research Project Listing 2018/2019*

*Last updated 22 June 2018*
School of Earth and Environmental Sciences

<table>
<thead>
<tr>
<th>Supervisor</th>
<th>Dr Thomas Sigler</th>
<th>Duration: 8 weeks</th>
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<tbody>
<tr>
<td><strong>Contact Details:</strong></td>
<td>Telephone – +61 7 336 <strong>53804</strong>&lt;br&gt;Email – <a href="mailto:t.sigler@uq.edu.au">t.sigler@uq.edu.au</a>&lt;br&gt;Chamberlain 509</td>
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**The Geography of the Sharing Economy**

Uber, Airbnb, and other sharing economy platforms have shaped our daily lives more rapidly than prior technological innovations before them. Since their introduction, we are now willing to ride along in a perfect stranger’s car, or sleep in a perfect stranger’s bed, relying solely on the built-in features of various apps to guide us. Are these platforms safe? Are they beneficial to all? How is their activity distributed across major cities?

The sharing economy has profound implications for the distribution of assets and activities over space, and this project seeks to better understand how they function. Applying an empirical lens to investigate Airbnb or other sharing economy platforms, students will gain proficiency in the tools and data sets used to analyse them.

**Expected outcomes** - The student will acquire basic data collection, data management, analysis, and presentation skills. The student will work with Dr Thomas Sigler and others in the Queensland Centre for Population Research (QCPR) to better understand how to create novel spatial analyses using novel data sets and tools.

**Suitable for** - Any student with an interest in the sharing economy is welcome to apply. An interest in quantitative, or numerical, methods is advantageous as well.

**Other important details** - Students should be open to developing this project into Honour’s or Master’s projects, and to exploring novel facets of the sharing economy.
### School of Mathematics & Physics

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**Contact Details:**
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**Expected outcomes -**

**Suitable for -**

**Other important details -**

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*Faculty of Science Summer Research Project Listing 2018/2019*

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**Expected outcomes -**

**Suitable for -**

**Other important details -**