**2019 SHRS UQ Winter Research Project Description**

|  |  |
| --- | --- |
| **Project title:** | **Predicting aphasia recovery** |
| **Project duration:** | * 4 weeks * 36 hours/week |
| **Position/s available** | 2 |
| **Description:** | The aim of this project is to determine whether brain activity and structure observed after stroke predict subsequent language symptom recovery and response to treatment. Participants with post-stroke aphasia will be tested on a clinically meaningful language battery and scanned at 1, 3 and 6 months post-onset, with half the participants receiving treatment at 1 month. Imaging will be used to identify language-related brain activity, white matter tract integrity, and lesion-symptom mapping. This research will determine the best clinical and imaging predictors of language improvement and treatment response in the critical subacute phase of brain recovery. |
| **Expected outcomes and deliverables:** | The research scholar will search literature, transcribe speech samples, complete data checking and coding, contribute to the design of a psycholinguistic experiment and assist with MRI scanning. |
| **Suitable for:** | Students in Speech Pathology. |
| **Primary Supervisor:** | Dr Tracy Roxbury (t.roxbury@uq.edu.au) |
| **Further info:** | Apply via [UQ Advantage](http://www.uq.edu.au/uqadvantage/wr-info-for-applicants) |