

# ARC Discovery Early Career Researcher Award

| Faculty                | School  | Reference   | Project Title  | Lead CI Name             |
|------------------------|---|-------------|--|--------------------------|
| Faculty of Engineering | ELEC - School of Electrical Engineering &                   | DE140101449 | Robust Control and Filtering for Regulation of Flow in Implantable Rotary Blood Pumps                                      | AlOmari, Abdul-Hakeem    |
| Faculty of Engineering | CIES - Centre for Engineering and Safety                    | DE140100747 | Reliability assessment of concrete-filled steel tubular frames designed by advanced analysis                               | Thai, Huu-Tai            |
| Faculty of Law         | LAWSCHOOL - School of Law                                   | DE140101216 | Revitalising Collaborative Water Governance: Lessons from Water Planning in Australia                                      | Holley, Cameron          |
| Faculty of Science     | BEES - School of Biological, Earth & Environmental Sciences | DE140101281 | Mechanisms influencing the evolutionary trajectories of extended phenotypes  | Blamires, Sean           |
| Faculty of Science     | MATH - School of Mathematics & Statistics                   | DE140100993 | Mathematics of importance: The optimal importance sampling algorithm for estimating the probability of a black swan event. | Botev, Zdravko           |
| Faculty of Science     | PSYC - School of Psychology                                 | DE140100243 | The regulation of fearful emotions: novel insights from the female brain   | Graham, Bronwyn Margaret |
| Faculty of Science     | BEES - School of Biological, Earth & Environmental Sciences | DE140100200 | Characterising changes in Australia's vegetation for biomass monitoring, carbon accounting and fire hazard mapping         | Liu, Yi                  |
| Faculty of Science     | BEES - School of Biological, Earth & Environmental Sciences | DE140100952 | A comprehensive understanding of Australian heat waves: past, present and future.  | Perkins, Sarah Elizabeth |
| Faculty of Science     | PSYC - School of Psychology                                 | DE140101071 | Does obesity alter the associations to food related cues, contexts and responses?  | Reichelt, Amy            |
| Faculty of Science     | BABS - School of Biotechnology & Biomolecular Sciences      | DE140101033 | Genomic Diversity in the Human Brain: the Functional Role of Expandable DNA Repeats  | Voineagu, Irina          |
| Faculty of Science     | CHEMSCI - School of Chemical Science                        | DE140100318 | Surface coated nanodiamonds as drug delivery carriers and simultaneous imaging   | Xiao, Pu                 |