2018 Development Grants for funding commencing in 2019

The Development Grant scheme provides financial support to individual researchers and/or research teams to undertake health and medical research within Australia at the proof-of-concept stage that specifically drives towards a commercial outcome within a foreseeable timeframe.

The scheme supports the commercial development of a product, process, procedure or service that, if applied, would result in improved health care, disease prevention or provide health cost savings.

Research supported by this scheme must, via a commercial business plan, have detailed feasible strategies for commercialisation that takes into account the regulatory pathway, protectable Intellectual Property, commercial barriers and potential routes to market.

The 2018 Development Grant funding round seeking applications for funding commencing in 2018 opened on 15 November 2017. Applications closed on 7 February 2018 with 111 applications received. The Not for Further Consideration (NFFC) process reduced the number of applications reviewed at the Grant Review Panel meetings by 32.4%.

The applications listed in the table below have been approved for funding by the Minister for Health, the Hon Greg Hunt MP.

<table>
<thead>
<tr>
<th>App ID</th>
<th>Chief Investigators Names</th>
<th>Application Title</th>
<th>Administering Institution</th>
<th>Budget ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>APP1153614</td>
<td>CIA - Professor Angela Morgan CIB - Professor Barbara Dodd CIC - Associate Professor Adam Vogel CID - Professor Ingrid Scheffer</td>
<td>Building and commercialising a digital speech tool (ADAAPT)</td>
<td>Murdoch Childrens Research Institute</td>
<td>932,698.80</td>
</tr>
<tr>
<td>APP1153663</td>
<td>CIA - Professor Peter-John Wormald CIB - Associate Professor Sarah Vreugde</td>
<td>A novel medicated surgical hydrogel to prevent epidural adhesions post-laminectomy</td>
<td>University of Adelaide</td>
<td>522,606.70</td>
</tr>
<tr>
<td>APP1153716</td>
<td>CIA - Doctor Warwick Nesbitt CIB - Professor Arnan Mitchell CIC - Associate Professor Justin Hamilton CID - Professor Harshal Nandurkar CIE - Professor Philip Thompson</td>
<td>Development of a microfluidic blood platelet analyser</td>
<td>RMIT University</td>
<td>657,521.00</td>
</tr>
<tr>
<td>Grant Number</td>
<td>Key Personnel</td>
<td>Project Title</td>
<td>Organisation</td>
<td>Funding Amount</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------</td>
<td>---------------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
</tbody>
</table>
| APP1153718   | CIA - Professor Mark Walker  
CIB - Professor Guido Silvestri  
CIC - Doctor Nicole Moreland  
CID - Professor Victor Nizet | Deploying next-generation adjuvants to enhance protection of a group A streptococcal vaccine candidate | University of Queensland | $1,052,324.00 |
| APP1153961   | CIA - Associate Professor Lenka Munoz  
CIB - Professor Michael Kassiou  
CIC - Professor Terrance Johns | Development of a brain permeable microtubule-targeting agent to treat glioblastoma | University of Sydney | $555,753.60 |
| APP1154233   | CIA - Professor Colette McKay  
CIB - Professor Hugh McDermott  
CIC - Professor Peter Seligman  
CID - Doctor Hamish Innes-Brown | EarGenie: innovative system for personalised management of hearing impairment for life-long benefits | The Bionics Institute of Australia | $1,041,860.50 |
| APP1154749   | CIA - Associate Professor Bernard Flynn  
CIB - Professor Darren Kelly  
CIC - Associate Professor Bing Wang  
CID - Professor Christopher Reid  
CIE - Professor Stuart Pitson | Dihydroceramide desaturase-1 (Des1) inhibitors for the treatment of fibrotic disease | Monash University | $680,824.60 |
| APP1154969   | CIA - Professor Kourosh Kalantar-zadeh  
CIB - Professor Peter Gibson  
CIC - Associate Professor Jane Muir  
CID - Doctor Chris McSweeney  
CIE - Doctor Kyle Berean | Ingestible capsules for sensing gut metabolites | RMIT University | $615,939.40 |
| APP1155161   | CIA - Doctor Michelle Wykes  
CIB - Professor Arlene Sharpe  
CIC - Associate Professor Victoria Atkinson | Development of a novel PDL2-based immune therapy for cancer | The Council of the Queensland Institute of Medical Research | $583,765.10 |
| APP1155527   | CIA - Professor Jonathan Baell  
CIB - Professor Rebecca Ritchie  
CIC - Professor Carl Kirkpatrick  
CID - Professor Gemma Figtree | Prodrug development of biased N-alkylpyridazinones for the acute intravenous treatment of myocardial ischaemia-reperfusion injury | Monash University | $677,127.00 |
| APP1155767 | CIA - Professor Hala Zreiqat  
CIB - Associate Professor Colin Dunstan  
CIC - Professor Qing Li | Novel 3D printed scaffolds for intervertebral fusion | University of Sydney | 981,418.00 |
| APP1155938 | CIA - Doctor Barbara Rolfe  
CIB - Associate Professor Trent Woodruff  
CIC - Professor Ruben Pio  
CIF - Doctor Lavinia Proctor | Harnessing the innate immune system to target cancer: a novel immunotherapeutic strategy for solid tumours | University of Queensland | 651,315.40 |
| APP1156063 | CIA - Professor Paul Young  
CIB - Professor Patrick Reading  
CIC - Doctor Keith Chappell  
CID - Doctor Daniel Watterson | Clamp stabilized vaccines to provide broad spectrum protection against influenza | University of Queensland | 949,516.00 |
| APP1157528 | CIA - Professor Andrew Scott  
CIB - Associate Professor Hui Gan  
CIC - Professor Pramod Srivastava  
CID - Professor Robin Anderson  
CIE - Professor John Mariadason | Novel antibody for cancer therapy | La Trobe University | 985,528.34 |
| APP1157784 | CIA - Associate Professor David Anderson  
CIB - Ms Mary Garcia  
CIC - Mr William Hopper  
CID - Associate Professor Rosemary Ffrench | Development of a rapid, point of care test with high sensitivity for the diagnosis of sepsis based on detection of CD64 | Burnet Institute | 737,221.40 |
| APP1158281 | CIA - Doctor Glen Boyle  
CIB - Professor Peter Parsons  
CIC - Doctor Jason Cullen  
CID - Doctor Paul Reddell | The development of Tigilanol Tiglate as a neo-adjuvant in immuno-oncology | The Council of the Queensland Institute of Medical Research | 657,521.00 |
<table>
<thead>
<tr>
<th>Project ID</th>
<th>CIA</th>
<th>CIB</th>
<th>CIC</th>
<th>CID</th>
<th>CIE</th>
<th>Description</th>
<th>University</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>APP1158521</td>
<td>Professor Glenn King</td>
<td>Professor Robert Widdop</td>
<td>Doctor Brad Broughton</td>
<td>Doctor Lachlan Rash</td>
<td>Emeritus Professor Maree Smith</td>
<td>Development of a first-in-class neuroprotective drug for protecting the brain after stroke</td>
<td>University of Queensland</td>
<td>762,684.60</td>
</tr>
<tr>
<td>APP1158755</td>
<td>Professor Benjamin Thierry</td>
<td>Professor Richard Tilley</td>
<td>Doctor Andrew Foreman</td>
<td>Doctor Ruirui Qiao</td>
<td></td>
<td>Development of superior sentinel lymph node mapping procedures using magnetic tracers</td>
<td>University of South Australia</td>
<td>609,542.40</td>
</tr>
<tr>
<td>APP1159349</td>
<td>Associate Professor Martin Ng</td>
<td>Doctor Steven Wise</td>
<td>Doctor Raj Makkar</td>
<td>Mr Ashish Mitra</td>
<td>Mr Donal O'Dwyer</td>
<td>Effectively sealing transcatheter heart valves</td>
<td>University of Sydney</td>
<td>488,596.00</td>
</tr>
<tr>
<td>APP1159714</td>
<td>Doctor Tracey Edgell</td>
<td>Professor Lois Salamonsen</td>
<td>Professor Luk Rombauts</td>
<td>Professor Beverley Vollenhoven</td>
<td></td>
<td>Validation of a prognostic assay for embryo transfer outcome</td>
<td>Monash University</td>
<td>347,035.40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14,490,799</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>