



## 2019 Research Seed Funding Recipients

### *Can portable genome sequencing provide a rapid, comprehensive, point-of-care diagnostic test for Far North Queensland hospitals and healthcare systems?*

**Lead Location/s:** Cairns. **Chief Investigators:** John McBride (Cairns and Hinterland HHS/JCU); Cadhla Firth (JCU); Simon Smith (Cairns and Hinterland HHS); Josh Hanson (Cairns and Hinterland HHS); Matt Field (JCU); Emma McBryde (JCU); John Miles (JCU); Damon Eisen (JCU); Chris Heather (Townsville HHS). \$49,987

### *Evaluation framework for community rehabilitation services in remote northern Australia.*

**Lead Location/s:** Various sites in the Torres and Cape and Cairns and Hinterland HHS catchments. **Chief Investigators:** Alice Cairns (JCU); Ruth Barker (JCU); Edward Strivens (Cairns and Hinterland HHS); Linton Harriss (JCU). **Associate Investigators:** Robyn McDermott (JCU); Vivienne Sandler (Torres and Cape HHS); Sandy Campbell (JCU/Apunipima Cape York Council); Tania Cavanagh (Cairns and Hinterland HHS); Desley Harvey (Cairns and Hinterland HHS); Ella Dunsford (JCU). \$49,502

### *Genomics of lung cancer in Indigenous people of North Queensland.*

**Lead Location/s:** Townsville. **Chief Investigators:** Alan Baxter (JCU); Sabe Sabesan (Townsville HHS); Martin Nakata (JCU); Margaret Jordan (JCU); Justin Lee (JCU); Letitia Smith (JCU). **Associate Investigator:** Trevor Prior (Townsville HHS). \$50,000

### *How can referral and access models of cardiac rehabilitation in rural and remote areas in North Queensland be improved?*

**Lead location/s:** Cairns, Torres and Cape, Townsville regions. **Chief Investigators:** Pat Field (JCU); Richard Franklin (JCU); Colleen Watkins (NQPHN). **Associate Investigators:** Ruth Barker (JCU); Karla Canuto (SAHMRI/JCU); Ian Ring (JCU); Peter Leggat (JCU). \$34,884

### *Protecting north Queensland from Aedes albopictus, an exotic dengue vector, with Attractive Targeted Sugar Baits.*

**Lead location/s:** Torres Strait. **Chief Investigators:** Tanya Russell (JCU); Tom Burkot (JCU); Kyran Staunton (JCU); Scott Ritchie (JCU); Tom Swan (JCU). **Associate Investigators:** Mutizwa Odwell Muzari (Cairns and Hinterland HHS). \$50,000

### *Revealing the hidden knowledge in pathology big data: Machine learning to support clinical decision making for unknown infectious diseases and recognise biosecurity incursions in tropical Australia.*

**Lead Location/s:** Townsville. **Chief Investigators:** Jeff Warner (JCU); Paul Lane (Townsville HHS). **Associate Investigators:** Emma McBryde (JCU); Damon Eisen (JCU); Catherine Rush (JCU). \$48,480

### *Strengthening pre-hospital interventions and post-discharge care strategies for persons experiencing mental health crises in north Queensland HHS districts: fundamental data for rigorous and comprehensive evaluations of interventions.*

**Lead Location:** Various sites across northern Queensland in the Torres and Cape, Cairns and Hinterland, North West, Mackay and Townsville HHS catchments. **Chief Investigators:** Alan Clough (JCU), Gillian Yearsley (NQPHN); Richard Stone (Cairns and Hinterland HHS); Kristy Grant (JCU); Greg Pratt (QIMR Berghofer); John Gilroy (University of Sydney). **Associate Investigators:** Joe Petrucci (Neami National) Angela Evans (Queensland Police Service (QPS)); Kate Fenech (QPS); Frankie Clive (NQPHN); Neale Thornton (Mackay HHS); Ulrich Orda (North West HHS); Rajesh Sehdev (Townsville HHS); Trent Wilson (Torres and Cape HHS); Yvonne Cadet-James (Apunipima Cape York Health Council) \$50,000