ECU Research Fellowship 2015
Aboriginal and/or Torres Strait Islander Researchers

Instructions to Applicants

Further Information:
Telephone 61 8 63042669
Email: c.gunson@ecu.edu.au

Closing Date: Sunday the 14th December 2014 at 9:30PM
1. BACKGROUND

ECU is committed to increasing the employment of Aboriginal and/or Torres Strait Islander people in academic roles, under the ECU Reconciliation Action Plan (RAP) and the ECU Indigenous Australian Employment Strategy 2012-15. ECU offered the first Research Fellowship in 2013.

The call for applications will be targeted to Early Career Researchers for commencement in 2015. Early Career Researchers are applicants who have been awarded a PhD within the last five years.

Much of ECU’s research is conducted collaboratively within Faculties, Institutes and Centres and can is described in more detail in the Appendix A. This will be important information for assessing the fit of your research interests with ECUs areas of strength and existing capability.

Research areas include:

- Business and Society
- Communications and Creative Arts
- Education
- Engineering
- Environment and Sustainability
- Health and Wellness
- Indigenous Culture, Education and Health
- Information and Communications Technology
- Law and Justice
- Security
- Social and Community


2. ECU INDIGENOUS RESEARCH FELLOWSHIP

2.1 Eligibility

Applicants must have been awarded a research doctoral degree (equivalent to an Australian PhD degree) within the last five years.

Aboriginality is an inherent requirement of this position per Section 50(d) of the WA Equal Opportunity Act (1984).

Short-listed applicants are encouraged to make enquiries of the research area (e.g. school or Institute) in which they intend to undertake the research, prior to submitting the application, to obtain some background understanding of the research priorities of that Area and discuss the fit of the proposed research program with existing capability and support. Preference will be given to applicants who can make a case for good strategic research fit.

Closing Date: Sunday the 14\textsuperscript{th} December 2014 at 9:30PM
2.2 **Expressions of Interest**

Human Resources Services Centre will call for Expressions of Interest through internal and external advertising and appropriate networks. It will be a competitive process open to external and internal candidates. Expressions of interest can be registered through the online career opportunities [portal](#). Human Resources Services Centre in conjunction with the DVC (Research) and the Head of Kurongkurl Katitjin will review the Expressions of Interest to assess eligibility and fit with the areas of research and invite a short-list of applicants to submit a full application online addressing the full selection criteria.

All Expression of Interest applicants will be notified of outcome of this stage.

2.3 **Invited Application Procedure**

Invited applications must be completed and submitted online. Applications will be accessible at the career opportunities [portal](#) or if requiring other arrangements through the Senior Recruitment Officer, Human Resources Services Centre, ECU, Building 1, 270 Joondalup Drive, Joondalup WA 6027.

A complete application must consist of the following:

- Application form;
- Description of your research program proposal (maximum 500 words);
- Statements addressing the selection criteria (see below) particularly, strategic fit with ECU areas of Research strength (maximum 200 words);
- Curriculum vitae (maximum 5 pages);
- List of any publications and other research outputs with appropriate evidence of esteem (e.g: Scopus citation report or other measures/indicators appropriate to the discipline);
- List of any research grants awarded in the last five years;
- Personal certification; and
- Referees reports – at least one preferably two.

Your application must be completed using the online application system by the submission deadline **9:30pm, Sunday 14 December 2014**. Applicants will be advised of the outcome by early January 2015.

All invited applications will be referred to the Fellowship Selection Panel for review and short listing for interview.

Closing Date: Sunday the 14th December 2014 at 9:30PM
2.4 Selection Criteria

1. Aboriginality is an inherent requirement of this position per Section 50(d) of the WA Equal Opportunity Act (1984);

2. Demonstrated research capability that aligns well with strategic research directions of the University and Appointing Area;

3. Demonstrated potential to enhance ECU’s research performance through integration of Aboriginal and Torres Strait Islander cultural perspectives and knowledge to the practice of mainstream research and teaching and enhancing the potential community impact of those activities;

4. Potential to make a substantial contribution to postgraduate research student supervision through mentoring and coaching;

5. Effective interpersonal, oral and written communication skills, with emphasis on the ability to present and communicate research outcomes; and

6. Demonstrated capacity to work as part of a research team.

2.5 Selection Process

Your application will be reviewed by the Fellowship Selection Panel to determine whether an interview will be offered. The Fellowships Selection Panel will be chaired by the Deputy Vice-Chancellor (Research) (or nominee) and will include representation from the relevant potential host/appointment areas.

All short-listed applicants will be requested to attend an interview (either in person or via tele/videoconference) with the Fellowship Selection Panel. The Fellowship Selection Panel will make recommendations to the DVC (R) who will make the final decision.

Closing Date: Sunday the 14th December 2014 at 9:30PM
### FACULTIES AND RESEARCH STRENGTHS: DESCRIPTION

**Faculty of Business and Law**

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business and Society</td>
<td>With a focus on business in society, nationally and internationally recognised researchers undertake a range of applied research that influences government policy, organisational behaviour and decision making, and develops frameworks, processes and skills for businesses and individuals. Areas of expertise include:</td>
</tr>
<tr>
<td></td>
<td>- finance and capital markets in Australia and the Asia-Pacific region;</td>
</tr>
<tr>
<td></td>
<td>- financial behaviour, especially related to superannuation;</td>
</tr>
<tr>
<td></td>
<td>- e-commerce and e-business; and</td>
</tr>
<tr>
<td></td>
<td>- small and medium enterprise research. Social marketing research concentrates on issues such as mental health, positive parenting and positive ageing.</td>
</tr>
<tr>
<td></td>
<td>Sustainable tourism research focuses on social and environmental impacts of tourism, sustainable destination management and eco-tourism.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law and Justice</td>
<td>The School of Law and Justice is passionate about undertaking research into law and justice related issues within the community. Law and criminology research includes:</td>
</tr>
<tr>
<td></td>
<td>- the administration of justice;</td>
</tr>
<tr>
<td></td>
<td>- investigative interviewing;</td>
</tr>
<tr>
<td></td>
<td>- minority interests and human rights;</td>
</tr>
<tr>
<td></td>
<td>- family legal issues;</td>
</tr>
<tr>
<td></td>
<td>- ethics;</td>
</tr>
<tr>
<td></td>
<td>- legal reform and</td>
</tr>
<tr>
<td></td>
<td>- offending patterns in youth and families</td>
</tr>
<tr>
<td></td>
<td>Other areas of focus for our research include employment and property law.</td>
</tr>
</tbody>
</table>
## Faculty of Education & Arts

| Communications & Creative Arts | ECU’s research in communications and creative arts combines traditional research paradigms in communications with an emerging focus on practice-led research in the creative arts. Communications research includes: the social and cultural implications of the media and technology; audience studies and ratings research; and the implications of communication in building community. Researchers in the creative arts have been proactive in the development of a practice-based research culture. Outputs include public exhibitions, performances, musical recordings, installations and publications. Specific strengths exist in:  
- movement and sound;  
- visual and performing arts;  
- new media; and  
- creative writing. |
|---|---|
| Education | ECU education researchers are recognised nationally, particularly for their expertise in research and program development in literacy and science teaching. Education research and development is conducted in collaboration with state and national education bodies to improve policy, curriculum, teaching effectiveness and student learning outcomes. Particular strengths include:  
- improving the teaching of literacy, numeracy and science;  
- behaviour management; and  
- using learning technologies to maximise learning outcomes. Other strengths include research on school resourcing, school effectiveness and the improvement of student retention and participation, especially for Indigenous students. |

**Closing Date:** Sunday the 14th December 2014 at 9:30PM
**Indigenous Culture, Education and Health**

**Australian Indigenous HealthInfoNet**

Kurongkurl Katitjin is our focus for Indigenous Australian Education and Research.

The team aims to provide excellence in teaching, learning and research in a culturally inclusive environment that values the diversity of Indigenous Australian history and cultural heritage.

Research is a high priority for Kurongkurl Katitjin, most notably, but not exclusively, through the Australian Indigenous HealthInfoNet.

The Australian Indigenous HealthInfoNet is working to 'close the gap' by providing the evidence base to inform practice and policy in Aboriginal and Torres Strait Islander health.

Other examples of our research include:

- Evaluation of the Attendance Grants Program
- Aboriginal Students and the Western Australian Literacy and Numeracy Assessment (WALNA Project)
- Quality schools for Aboriginal students
- Communication difficulties after stroke in Indigenous Australians

---

**Faculty Health Engineering and Sciences**

**Engineering**

**Electron Science Research Institute**

**Centre for Communications Electronics Research**

Engineering research encompasses a broad range of areas across the core disciplines of civil, mechanical and electrical engineering.

Electrical and Electronic Engineering research includes:

- communication networking technologies;
- microelectronics;
- optoelectronics and micro photonics;
- visual information processing and
- smart energy systems.

Mechanical Engineering research includes:

- nano-engineered materials;
- thermofluids research for energy generation and transfer; and
- research into production technologies and machine
configuration to improve the efficiency of production systems.

Civil Engineering research includes:

- complex soil retention and stabilising technologies for foundation design; and
- vibration research for tall buildings.

### Environment and Sustainability

- **Centre for Ecosystem Management**
- **Centre for Marine Ecosystems Research**

ECU’s research encompasses biological and environmental areas and the interaction between ecology and human health. Specific areas of expertise include:

- coastal marine and estuarine ecology;
- freshwater ecosystems;
- macroalgae and sea grass ecology;
- forest, woodland and wetland ecology;
- semi-arid environments;
- plant and animal ecological genetics; and
- microbiology and biotechnology.

Applied research addresses problems of minesite rehabilitation, habitat degradation, pollution, forest management and threatened species.

Natural resources modelling and simulation is a growing cross-disciplinary area.

### Health and Wellness

- **ECU Health and Wellness Institute**
- **Australian Indigenous HealthInfoNet**
- **Centre for Exercise and Sports Science Research**
- **Centre for Nursing, Midwifery and Health Services Research**
- **Child Health Promotion Research Centre**

ECU has nationally and internationally recognised health researchers, supported by extensive collaborations and partnerships.

Our health research focuses on preventative health, early detection, intervention and rehabilitation, and on developing strategies and programs which impact on community-wide health.

Specific expertise exists in Alzheimer’s disease, covering onset, causes, treatment, and support mechanisms for both patients and the ageing.

New wellness approaches to chronic disease management are being researched by multidisciplinary teams in exercise and sports science, nutrition and psychology.

Strong research centres also exist in nursing, midwifery, Indigenous...
<table>
<thead>
<tr>
<th><strong>Systems and Intervention Research Centre for Health</strong></th>
<th>health, and child and adolescent health. Stem cell and melanoma research is also well advanced.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Security</strong></td>
<td>ECU's security research includes cyber security, digital forensics, critical infrastructure security, and human security. Particular strengths include:</td>
</tr>
<tr>
<td><strong>ECU Security Research Institute</strong></td>
<td>• cyber security</td>
</tr>
<tr>
<td><strong>Social and Community</strong></td>
<td>ECU's social and community research includes applied social research and political science.</td>
</tr>
<tr>
<td></td>
<td>Applied social research and evaluation among special populations (children and young people, women, people with disabilities, rural and regional), with a social justice focus, is also a significant research strength within the University.</td>
</tr>
<tr>
<td></td>
<td>Research in psychology includes clinical, forensic, developmental, community and social psychology.</td>
</tr>
</tbody>
</table>