

TACKLING GLOBAL

CHALLENGES

TOGETHER

PhD Projects Call – Cohort 4

2020 GUIDELINES FOR SUPERVISORS

1. BACKGROUND

The University of Queensland and the University of Exeter believe that the most complex global challenges – such as food and water security, political instability, healthy living and mental health – often require interdisciplinary research that spans institutions, countries and even continents. The two Universities came together to create the QUEX Institute, through which our talented academic staff are working together to apply their distinct perspectives and expertise to addressing global challenges.

Building on a platform of active collaboration and academic exchange, we are growing capacity and jointly investing in enhancing opportunities for our researchers to work together including 30 studentships already successfully underway. In support of this vision, the QUEX Institute is pleased to offer a fourth call for PhD Project proposals.

This call is now open for applications, with a closing date of **2nd March 2020**.

2. QUEX THEMES

We are seeking applications aligned with the recently-refreshed QUEX themes:

- **Healthy Living** – which merges two of the previous themes ‘Healthy Ageing’ and ‘Physical Activity and Nutrition’
- **Global Environmental Futures** – building on the previous ‘Environmental Sustainability’ theme
- **Digital Worlds and Disruptive Technologies** – a new theme to support continued growth of the QUEX Institute into new areas

A short overview of each of the themes is provided below:

Healthy Living: Ensuring healthy lives and promoting well-being for all is fundamental to building thriving societies. Across rich and poor countries alike, a health crisis has the potential to tip individuals, communities and societies into bankruptcy, poverty and / or civil unrest. In short, healthy people are the foundation of productive economies and happy societies. While progress has been made in the realms of child and maternal health and global life expectancy, and in our understanding of serious diseases such as HIV/AIDS and cancers, concerted effort is still required to achieve comprehensive and sustainable health coverage for all, regardless of geography, class or wealth.

The Universities of Queensland and Exeter are committed to the UN sustainable development goal of ensuring healthy lives and promoting wellbeing for all. Both institutions are world leaders in relevant fields of research ranging across dementia, diabetes, health economics, genomics, gerontology, and human movement and nutrition. This Healthy Living theme will allow us to join forces and expertise in order to lead the way in supporting global health and wellbeing through innovative, ground-breaking research and translation into policy and practice for impact. In addressing the UN sustainable development goal (3) Good Health and Well-being, this theme will seek to engage a multi-disciplinary range of research areas including, but not limited to, biomedical science; bio-physics and engineering; [health] economics; cultures of health; medicine and nursing; health technologies; psychology, human movement and health policy.

Global Environmental Futures: Exploring new science frontiers, finding solutions to intractable problems, and influencing public policy, are at the heart of the QUEX program on Global Environmental Futures. The Universities of Exeter and Queensland are both world leading in environmental science, delivering research breakthroughs across many environmental challenges such as: climate change, clean energy, marine, coastal and reef science, biodiversity, air and water pollution, antimicrobial resistance, food security and sustainable agriculture.

By combining the strengths of the two universities there is an opportunity for the QUEX partnership to deliver impactful research on a range of environmental futures, including the sustainable management of

natural resources, understanding weather systems, improving the resilience of climate vulnerable communities, promoting effective environmental governance, and examining the agency of social movements (such as Extinction Rebellion) who are committed to tackling the potentially catastrophic threat of climate breakdown. This theme is closely aligned to a number of UN sustainable development goals, with a particular focus on (2) Zero Hunger; (6) Clean Water and Sanitation; (7) Affordable and Clean Energy; (9) Industry, Innovation and Infrastructure; (11) Sustainable Cities and Communities; (13) Climate Action; (14) Life Below Water; and (15) Life on Land.

Digital Worlds and Disruptive Technologies: Digitalisation is transforming who we are, what we do, and how we act. Present and future digital worlds mean that wars can be fought without soldiers, medical procedures can be undertaken without surgeons, travel can occur without the physical movement of people from place to place, societies can be powered without iron, coal and oil, and education can take place with a teacher on one continent and students on another. At the same time, new digital worlds present challenges to older industries and technologies, threats to businesses, governments and societies through cyber-attacks and question the future of work and work places. What will be the next sector to be wholly disrupted, as the media industry has been? Accounting, retail, healthcare, supply chains, transport, even democracy, are being disrupted by new technologies and new behaviours.

This QUEX theme brings together a range of interdisciplinary research areas to explore these twin elements of digital change. On the technology side, both Exeter and Queensland have world leading capabilities in Artificial Intelligence, Data Science, Machine Learning, Cyber Security and Virtual Reality. On the behavioural side, both universities have teams across their social sciences and humanities scholars who are looking at the social, cultural and economic elements of this digital transformation. Cross-disciplinary teams will seek to address some of the challenges and opportunities related to digital change.

3. THE STUDENTSHIPS

The QUEX PhD programme aims to recruit the very best students to work across the University of Exeter and The University of Queensland, towards joint degrees.

In this fourth call, the programme seeks to divide its funding commitment across a range of fully funded and match-funded studentships. Funds are available for ≤10 studentships, where at least 2 are match-funded by an industry / third-party partner.

Queensland academics: Research Partnerships Managers (RMPs) will be able to support your exploring third-party funding if you already have an industry / third-party partner lined up.

Exeter academics: If you're interested in exploring industry / third-party funding please contact your Innovation, Impact and Business (IIB) business partner for advice and guidance.

| | University of Exeter | University of Queensland |
|--|--|--|
| Scholarship Duration | 3.5 years | 3 years, with up to two possible 6 month extensions. |
| Living Stipend | Students will be awarded with an Exeter funded scholarship equal to UKRI rates (2020-2021 - £15,285 per annum tax free). | Students will be awarded a scholarship equal to the (RTP) Scholarship rate \$28,092 per annum tax free (2020 rate), indexed annually, plus overseas Student Health Cover (OSHC). |
| Tuition Fees | 3.5 years of tuition fees fully covered. | Up to 4 years tuition fees fully covered. |
| RTSG / Research & training allowance* | Up to £10,715 over the life of the scholarship and is intended for research consumables, workshops, training courses. | \$3,000 for research training over the life of the scholarship to support development activities such as workshops and short course attendance. |

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|-------------------------|---|-------------------|
| Travel Allowance | £15,000 over the life of the scholarship. | \$8,500 per year. |
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The fourth cohort will begin their programme in **January 2021**.

Of the total number of studentships funded, half the cohort will be homed at the University of Exeter and the other half at The University of Queensland. During the course of the PhD life-span, PhD students will be expected to spend at least **12 months** at the host (other) institution; thereby benefiting from the hands-on expertise, guidance and input of both supervisory teams and associated research groups.

***Managing RTSG / Research & training allowance while students are traveling**

For Exeter homed candidates, the total RTSG allocation will be split over the duration of the programme for the time they spend at Exeter. When in Queensland, the UQ supervisor will be expected to provide any necessary research expenditure as required to support the agreed research and supervision plan for the student. **It will be the responsibility of the UQ supervisor to ensure the students research costs are met while they are in UQ.**

For Queensland homed candidates, the principal supervisor will manage the costs of the students research. When UQ students arrive at Exeter, they will be provided with a cost code for RTSG with a maximum budget of up to £4,285 for the 12 months they are due to spend at Exeter. The students will be able to use this code directly to cover the costs of their research expenditure. **Exeter supervisors will be responsible for monitoring and approving these costs.**

It is important that Exeter and UQ advisors discuss the costs of the research projects and how they will manage those between the candidates time at each institution within the framework outlined above before submitting a project proposal for consideration.

4. APPLICATION PROCESS

PhD project proposals will be accepted from **sets** of academic staff based across the academic communities of the Universities of Exeter and Queensland. Applicants will need to complete the PhD project proposal form in partnership with their supervisory counterparts at the partner institution.

The nominated lead advisor should submit the application to their home institution using the corresponding address below by **2 March 2020**.

Exeter: QUEX@exeter.ac.uk

UQ: <https://survey.app.uq.edu.au/QUEX-UQ-Project-Submission.aspx>

All applications will be jointly viewed and assessed by the QUEX Institute Board. The home Institution of the nominated lead supervisor will lead on shortlisting the successful projects for their own Institution.

5. ASSESSMENT CRITERIA

We are seeking research project proposals from sets of UQ / Exeter academic staff, who can demonstrate a capacity to work collaboratively.

PhD project proposals will be required to consider, demonstrate and evidence the following:

- High quality, strong research capable of attracting the highest calibre of students.
- Research questions that are clearly aligned to one of the QUEX Institute's three themes.
- Projects that could not be as effectively carried out by one partner on its own. Both the project AND the student must clearly benefit from the equal contribution of both universities.
- Clear consideration of the career development, training needs and wellbeing of the student.

Please note that in this round, high-quality proposals that satisfy all other assessment criteria and are also able to demonstrate third-party match funding (up to a maximum of 50%) will be given priority in the shortlisting and final selection process.

Based upon the experience of the past three years, we expect this to be a **highly competitive call** and so it is important that all criteria are addressed in your proposal to ensure the best chance of success.

6. KEY DATES

| Date | Activity |
|---------------------|--------------------------------------|
| 5 February 2020 | Call for proposals launched |
| 2 March 2020 | Deadline for submission of proposals |
| 23 March 2020 | Applicants notified of outcome |
| 30 March 2020 | PhD Project adverts go live |
| 18 May 2020 | PhD Project application deadline |
| Week of 6 July 2020 | PhD Candidate Interviews |
| 4 January 2021 | Cohort 4 start date. |

7. FEEDBACK AND RESUBMISSIONS

Please note that feedback is not usually provided for PhD project proposals. Resubmission in a future round is permissible.