

SYMPOSIUM PROGRAM

The QUEX International Symposium: Fostering Global Sustainability and Wellbeing will focus on the QUEX Institute's three interdisciplinary themes healthy ageing, environmental sustainability, and physical activity and nutrition – while also broadening to explore minerals in a sustainable world.

THURSDAY 25 JULY

Venue: QBI Auditorium, Level 7, Queensland Brain Institute (79)

Master of Ceremonies: Dr Jessica Gallagher, Director, Global Engagement and Entrepreneurship

TIME	ACTIVITY
8.30 – 9.00am	Registration
9.00 – 9.10am	Welcome Address: Professor Peter Høj AC , President and Vice-Chancellor, UQ
9.10 – 9.20am	Welcome Address: Professor Sir Steve Smith , Vice-Chancellor and Chief Executive, Exeter
SESSION 1: HEALTHY AGEING	
Moderators: Mr Mark Tucker-Evans , Chief Executive, Council on the Ageing (COTA) Queensland and Professor Catherine Haslam , School of Psychology, UQ	
9.20 – 9.40am	Keynote: Creating age-friendly communities Mr Mark Tucker-Evans, Chief Executive, Council on the Ageing (COTA) Queensland
9.40 – 9.55am	Sustainability ambassadors project Professor Nancy Pachana, School of Psychology, UQ
9.55 – 10.10am	A history of the present: sexual temporalities at the rise of sexology and gerontology (1850-1930) Mr Kazuki Yamada, QUEX PhD Candidate, The Institute for Advanced Studies in the Humanities (IASH), UQ
10.10 – 10.25am	The evolution of lifespan and ageing Mr Vikram Narayan, QUEX PhD Candidate, School of Biological Sciences, UQ
10.25 – 10.40am	Using groups to improve wellbeing: the singing for people with aphasia pilot trial Dr Mark Tarrant, College of Medicine and Health, Exeter
10.40 – 10.55am	Blood DNA methylation as potential diagnostic biomarker of neurodegenerative diseases Ms Marta Nabais, QUEX PhD Candidate, Institute for Molecular Bioscience, UQ
10.55 – 11.10am	Panel Q&A and closing remarks
11.10 – 11.35am	Networking and morning tea

SESSION 2: ENVIRONMENTAL SUSTAINABILITY

Moderator: **Professor Peter Mumby**, School of Biological Sciences, UQ

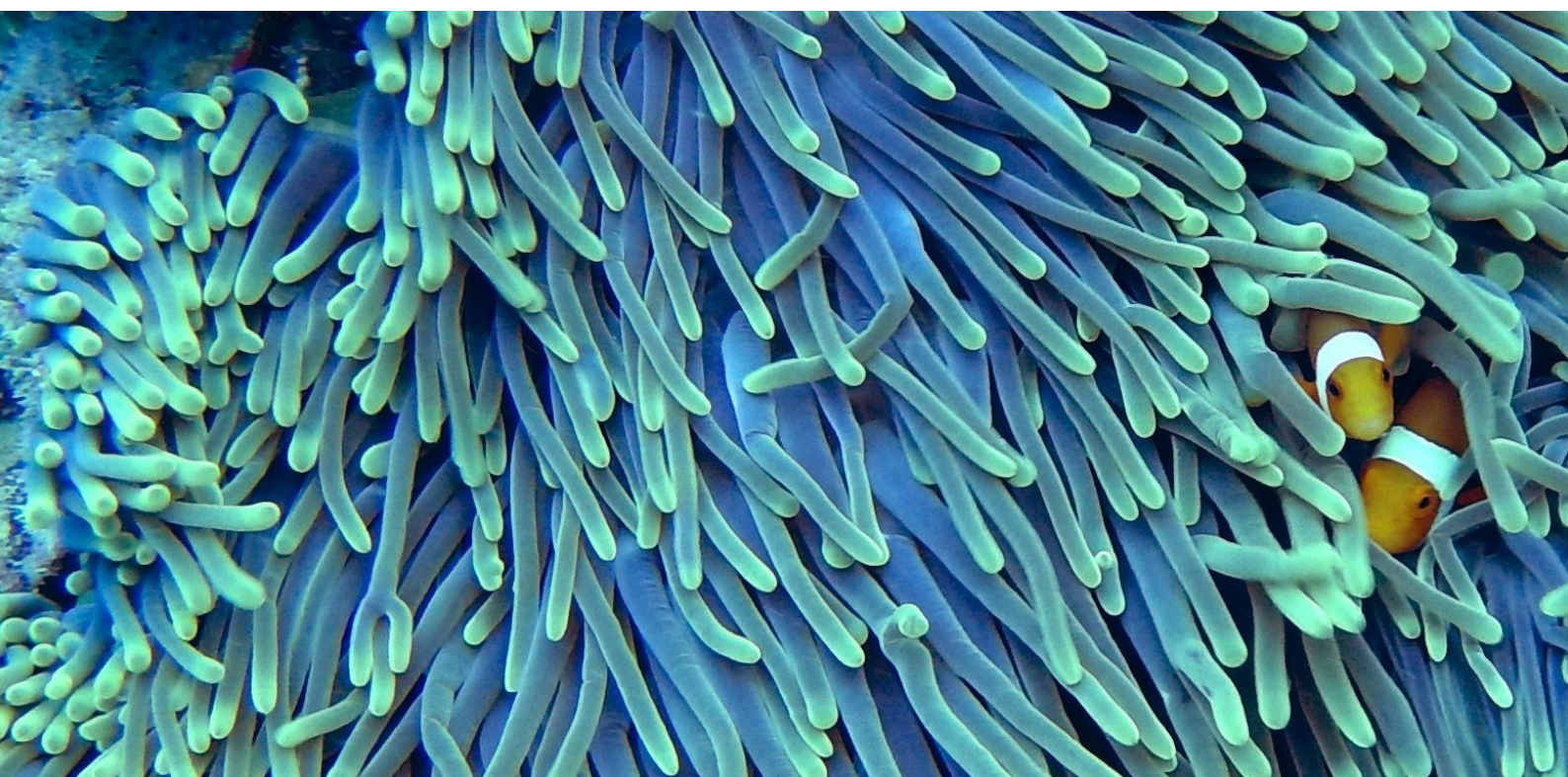
- 11.35 – 11.55am **Keynote: Plastic waste – a rallying call for integrated research**
Associate Professor Bronwyn Laycock, School of Chemical Engineering, UQ
- 11.55am – 12.10pm **Megacities and sustainability of tropical estuaries**
Professor Joe Lee, School of Life Sciences, The Chinese University of Hong Kong
- 12.10 – 12.25pm **Tackling the impacts of climate change on coral reefs and their ecosystem services**
Professor Peter Mumby, School of Biological Sciences, UQ
- 12.25 – 12.40pm **The global ocean carbon cycle: what we know, what we don't know and what we need to know**
Dr Paul Halloran, School of Geography, Exeter
- 12.40 – 12.55pm **Using historical approaches to understand marine ecosystem change**
Dr Ruth Thurstan, School of Biosciences, Exeter
- 12.55 – 1.10pm **Coral reef futures under climate change**
Ms Jennifer McWhorter, QUEX PhD Candidate, Earth System Science, Exeter
- 1.10 – 1.25pm **Panel Q&A and closing remarks**

1.25 – 2.30pm **Networking lunch**

SESSION 3: PHYSICAL ACTIVITY AND NUTRITION

Moderator: **Professor Jo Bowtell**, Head of Department, Sport and Health Sciences, Exeter

- 2.30 – 2.50pm **Keynote: Dietitians and doctors working together – interdisciplinary working to achieve system change**
Associate Professor Robyn Littlewood, Director, Health Services Research, Centre for Children's Health Research and Associate Professor, School of Human Movement and Nutrition Sciences, UQ



2.50 – 3.05pm	Dietary nitrate as a modulator of nitric oxide metabolism Professor Andrew Jones, Department of Sport and Health Sciences, Exeter
3.05 – 3.20pm	Bioactive food constituents in precision nutrition for optimal healthspan Dr Veronique Chachay, School of Human Movement and Nutrition Sciences, UQ
3.20 – 3.35pm	Exploring new horizons in cerebral health and the control of brain blood flow Dr Bert Bond, Department of Sport and Health Sciences, Exeter
3.35 – 3.50pm	Without fit truck drivers, Australia stops Associate Professor Nicholas Gilson, School of Human Movement and Nutrition Sciences, UQ
3.50 – 4.05pm	Montmorency cherry juice and exercise recovery Mr Jimmy Wangdi, QUEX PhD Candidate, School of Human Movement and Nutrition Sciences, UQ
4.05 – 4.20pm	Panel Q&A and closing remarks

SESSION 4: MINERALS IN A SUSTAINABLE WORLD

Moderator: **Professor Neville Plint**, Director, Sustainable Minerals Institute, UQ

4.20 – 4.35pm	Towards sustainability in the mining of critical raw materials Professor Karen Hudson-Edwards, Professor in Sustainable Mining, Camborne School of Mines, Exeter
4.35 – 4.50pm	The mines, are they a-changin'? Minerals in a sustainable world Professor Daniel Franks, Program Leader, Governance and Leadership in Mining, Sustainable Minerals Institute, UQ
4.50 – 4.55pm	Q&A and closing
4.55 – 5.00pm	Closing remarks by Professor Tim Dunne , Pro-Vice-Chancellor, UQ

5.00 – 8.00pm **WELCOME RECEPTION**
UQ Art Museum, James and Mary Emelia Mayne Centre (11)



FRIDAY 26 JULY

Venue: Level 2, Global Change Institute (20)

Master of Ceremonies: Dr Jessica Gallagher, Director, Global Engagement and Entrepreneurship

TIME	ACTIVITY
9.30 – 10.00am	Joint registration with tea and coffee
	Parallel workshop sessions as below
10.00 – 11.00am	<ul style="list-style-type: none">• Stream A: Healthy ageing• Stream B: Minerals in a sustainable world• Stream C: Physical activity and nutrition• Stream D: Environmental sustainability

STREAM A: HEALTHY AGEING

Room W431, Level 4, Forgan Smith (1)

10.00 – 11.00am **Grant/fellowship writing**

Coordinator: Professor Catherine Haslam, School of Psychology, UQ

Panellists:

Dr Theresa Scott, NHMRC-ARC Dementia Research Development Fellowship, and School of Psychology, UQ

Dr Mark Tarrant, Senior Lecturer in Psychology Applied to Health, College of Medicine and Health, Exeter

Emeritus Professor Peter Cryle, Institute for Advanced Studies in the Humanities, UQ

Dr Tom Bailey, School of Human Movement and Nutrition Sciences, UQ

Professor Alastair Wilson, Professor of Evolutionary Biology, College of Life and Environmental Sciences, Exeter

Professor Kate Fisher, College of Humanities, Exeter

STREAM B: MINERALS IN A SUSTAINABLE WORLD

Room 275, Level 2, Global Change Institute (20)

10.00 – 11.00am **What are the roles of universities as change-makers for sustainable development in mining?**

Coordinator: Dr Kathryn Sturman, Senior Fellow, Centre for Social Responsibility in Mining, UQ

Panellists:

Professor Neville Plint, Director, Sustainable Minerals Institute, UQ

Professor Sue Harrison, Department of Chemical Engineering, University of Cape Town

Professor Scott Dunbar, Head of Department, Norman B Keevil Institute of Mining Engineering, The University of British Columbia

Associate Professor Patrick Foster, Associate Professor in Mine Safety, Camborne School of Mines, Exeter

STREAM C: PHYSICAL ACTIVITY AND NUTRITION

Room W458, Level 4, Forgan Smith (1)

10.00 – 11.00am **Data analytics in physical activity and sport**

Coordinator: Professor Jo Bowtell, Head of Department, Sport and Health Sciences, Exeter

Speaker: Dr Mark Connick, Human Movement and Nutrition Sciences, UQ

STREAM D: ENVIRONMENTAL SUSTAINABILITY

Room 273, Level 2, Global Change Institute (20)

9.00 – 11.00am **Bioeconomics, tourism and freshwater**

Coordinator: Professor Peter Mumby, School of Biological Sciences, Faculty of Science, UQ

Marine resource exploitation speakers:

Professor Ian Bateman, Land, Environment, Economics and Policy Institute, Exeter

Ms Phoebe Stewart-Sinclair, QUEX PhD Candidate, School of Biological Sciences, UQ

Tourism speakers:

Professor Brent Ritchie, Associate Dean (Research), Faculty of Business, Economics and Law, UQ

Ms Wendy Pham, QUEX PhD Candidate, Business School, UQ

Freshwater speakers:

Professor Guangtao Fu, Water Intelligence, Centre for Water Systems, Exeter

Ms Mayra Rodriguez Bennadji, QUEX PhD Candidate, College of Engineering, Mathematics and Physical Sciences, Exeter

JOINT SESSIONS – ALL STREAMS

Room 273, Level 2, Global Change Institute (20)

11.00am – 12.30pm

Engaging industry and funding agencies

Coordinator: Professor Mohan Krishnamoorthy, Pro-Vice-Chancellor (Research Partnerships)

Panellists:

Ms Nicole Thompson, Director, Office of Sponsored Research, UQ

Mr Sean Fielding, Director, Innovation, Impact and Business Directorate, Exeter

Dr Mark Ashton, Executive Director, IP Commercialisation, UniQuest

12.30 – 1.30pm

Networking lunch

1.30 – 2.30pm

Influencing media and stakeholder engagement

Coordinator: Ms Kim Lyell, Acting Corporate Relations Manager, Marketing and Communications, UQ

2.30 – 3.30pm

Parallel workshop sessions as below

- Stream A: Healthy ageing
- Stream B: Minerals in a sustainable world
- Stream C: Physical activity and nutrition
- Stream D: Environmental sustainability



STREAM A: HEALTHY AGEING

Room W431, Level 4, Forgan Smith (1)

2.30 – 3.30pm

Public engagement

Please note this is a closed workshop for Healthy Ageing QUEX PhD Students

Coordinator: Professor Catherine Haslam, School of Psychology, UQ

Panellists:

Dr Liz Cyarto, Senior Research Fellow, Bolton Clarke Research Institute

Professor Alex Haslam, Professor of Social and Organisational Psychology, School of Psychology, UQ

3.30 – 4.00pm

Networking and afternoon tea

STREAM B: MINERALS IN A SUSTAINABLE WORLD

Room 275, Level 2, Global Change Institute (20)

2.30 – 3.30pm

How do we create a network of universities to advance sustainable development in mining and minerals?

Coordinator: Professor Daniel Franks, Program Leader, Governance and Leadership in Mining, Sustainable Minerals Institute, UQ

Panellists:

Assistant Professor Ilija Miskovic, Norman B Keevil Institute of Mining Engineering, The University of British Columbia

Associate Professor Jenny Broadhurst, Department of Chemical Engineering, University of Cape Town

Dr Anita Parbhakar-Fox, Senior Research Fellow, Sustainable Minerals Institute, UQ

Professor Karen Hudson-Edwards, Professor in Sustainable Mining, Camborne School of Mines, Exeter

Mr Karan Jain, PhD Candidate, Sustainable Minerals Institute, UQ

3.30 – 4.00pm

Networking and afternoon tea



STREAM C: PHYSICAL ACTIVITY AND NUTRITION

Room W458, Level 4, Forgan Smith (1)

2.30 – 3.30pm

The impact of physical activity and nutrition research on health, well-being, and performance: what are the big contributions and remaining challenges?

Coordinator: Professor Stephan Riek, Deputy Director, Graduate School, UQ

Panellists:

Professor Jo Bowtell, Department of Sport and Health Sciences, Exeter

Professor Wendy Brown, School of Human Movement and Nutrition Sciences, UQ

Dr Michael Leveritt, School of Human Movement and Nutrition Sciences, UQ

Professor Andrew Jones, Department of Sport and Health Sciences, Exeter

3.30 – 4.00pm

Networking and afternoon tea

STREAM D: ENVIRONMENTAL SUSTAINABILITY

Room 273, Level 2, Global Change Institute (20)

2.30 – 4.10pm

Physiology and marine ecosystems

Coordinator: Professor Ian Bateman, Land, Environment, Economics and Policy Institute, Exeter

Physiology Speakers:

Professor Craig Franklin, Acting Head of School, School of Biological Sciences, UQ

Ms Harriet Goodrich, QUEX PhD Candidate, School of Biological Sciences, Exeter

Marine Ecosystem Speakers:

Ms Francisca Ribeiro, QUEX PhD Candidate, Queensland Alliance for Environmental Health Sciences, UQ

Ms Rebecca Millington, QUEX PhD Candidate, College of Engineering, Mathematics and Physical Sciences, Exeter

Ms Carolina Chong, QUEX PhD Candidate, School of Life Sciences, UQ

Mr Stephen Burrows, QUEX PhD Candidate, School of Biosciences, Exeter

4.10 – 4.30pm

Networking and afternoon tea