

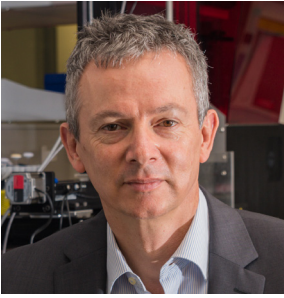
Clem Jones Centre for Ageing Dementia Research

Public Dementia Forum

Wednesday 3 July 2019, 10am–1.45pm
Auditorium, Level 7, Queensland Brain Institute

Time	Topic	Presenter
10am	Welcome	Professor Pankaj Sah Director, Queensland Brain Institute
10.05am	Opening comments and introductions	Professor Jürgen Götz Director, Clem Jones Centre for Ageing Dementia Research
10.10am	Keynote Address	Mr Pat Welsh Seven Network Sports Editor and Dementia Australia Ambassador
10.30am	Challenges in providing hospital care for people with cognitive impairment	Professor Len Gray Co-Chair Diamantina Health Partners Ageing Theme
11am	Clinical trial landscape: challenges and solutions	Professor Jürgen Götz Director, Clem Jones Centre for Ageing Dementia Research
11.30am	Exploring therapeutic ultrasound for human application	Dr Rachel de las Heras Ultrasound Product Development Manager, Clem Jones Centre for Ageing Dementia Research
12 noon	Lunch – Level 7 Terrace Area	
12.45pm	Understanding the mechanisms of neuro-degenerative disorders	<p>Session Chair:</p> <p>Professor Elizabeth Coulson Group Leader, Clem Jones Centre for Ageing Dementia Research</p> <p>Speakers:</p> <p>Professor Massimo Hilliard Group Leader, Clem Jones Centre for Ageing Dementia Research</p> <p>Dr Jocelyn Widagdo Clem Jones Centre for Ageing Dementia Research</p> <p>Dr Zoran Boskovic Clem Jones Centre for Ageing Dementia Research</p>
1.45pm	Closing remarks	Professor Jürgen Götz Director, Clem Jones Centre for Ageing Dementia Research

Professor Jürgen Götz



Director, Clem Jones
Centre for Ageing
Dementia Research

Professor Jürgen Götz is Foundation Chair of Dementia Research and Director of the Clem Jones Centre for Ageing Dementia Research at the Queensland Brain Institute, The University of Queensland. He performed undergraduate studies at the Biocenter of the University of Basel, before joining the laboratory of Nobel Laureate Georges Köhler to obtain his PhD degree in immunology. Subsequently, he took up postdoctoral positions at UCSF (San Francisco) and Sandoz Ltd (now Novartis, Basel), and worked as Research Group Leader at the University of Zurich (Switzerland).

Before taking up his current position, Professor Götz was a Professor and Chair of Molecular Biology at the University of Sydney. Professor Götz is an internationally renowned expert in basic research in Alzheimer's disease (AD), focusing on the cellular and molecular mechanisms of how tau and A β cause neurodegeneration, using transgenic and cellular models. More recently, Götz developed a non-pharmacological ultrasound-based treatment strategy that removes toxic A β and tau in mice and restores memory functions, presenting ultrasound as a novel treatment modality for diseases of the brain.

Mr Pat Welsh



Seven Network Sports
Editor and Dementia
Australia Ambassador

Pat Welsh is a Sports Editor at Seven News Brisbane, recently celebrating 40 years with the network and has become a popular and trusted figure to his legion of fans. Now, in partnership with Dementia Australia he uses his media profile to bring much needed awareness to brain health in the community and media by encouraging an ongoing discussion about dementia, making a difference to the lives of people living with dementia and their families and carers.

"Watching my father live with dementia showed me how important programs and services were to my mother and him in helping them retain their quality of life. I want to use my profile to help eliminate the stigma around brain health and start a conversation in the community. Dementia is the second leading cause of death in Australia, and we all need to understand what we can do to reduce our risk."

Professor Len Gray



Co-Chair Diamantina
Health Partners Ageing
Theme

In addition to his role as co-chair of the Diamantina Health Partners Ageing Theme, Professor Gray is the Director of UQ's Centre for Health Services Research (CHSR) within the Faculty of Medicine, located at the Princess Alexandra Hospital. Prior to this role, he directed both the Centre for Online Health and the Centre for Research in Geriatric Medicine, both of which have been incorporated into the new CHSR. The Centre is located on the Princess Alexandra Hospital campus in Brisbane.

He has formal training in medicine as a specialist geriatrician and in health administration. He held senior management positions in the public health system in Victoria, in general management and aged care services. His research interests focus on aged care policy, models of aged care service delivery, assessment and care planning systems, and e-health and telemedicine strategies. He leads international development of the interRAI Acute Care system of assessment, and is a Board member and the Australian coordinator for interRAI, a multinational research collaborative. He is the Principle Investigator on the NHMRC Centre of Research Excellence in Telehealth, established in 2013 and Lead Investigator on the NHMRC Cognitive Decline Partnership Centre, and a Systems Investigator on the NHMRC Partnership Centre for Health Systems Sustainability.

Dr Rachel de las Heras



Ultrasound Product Development Manager, Clem Jones Centre for Ageing Dementia Research

Dr Rachel de las Heras has over 15 years' experience in advancing Australian biotechnology innovations through the product development and commercialisation pathways. Rachel's foundation in applied research and passion for bridging the collaboration gap between industry and academia has come from the various roles held across both sectors. Since completing her PhD in molecular neuroscience, Rachel has worked in leadership positions across various scientific disciplines including biochemistry, chemistry and engineering and has held several commercial and business development roles. Rachel has managed multidisciplinary teams and led successful project and product development outcomes in clinical diagnostics.

Rachel is currently working with a research team at the Clem Jones Centre for Ageing Dementia Research at the Queensland Brain Institute developing a non-invasive ultrasound technology to treat Alzheimer's disease and restore memory.

Professor Elizabeth Coulson



Group Leader, Clem Jones Centre for Ageing Dementia Research

Professor Coulson is a Group Leader in dementia research at Clem Jones Centre for Ageing Dementia Research, and a founding member of the Queensland Brain Institute. Professor Coulson completed her PhD at The University of Melbourne, focusing on the normal function of the amyloid precursor protein of Alzheimer's disease. Following a year at the ZMBH, University of Heidelberg, Germany, Professor Coulson pursued postdoctoral work studying neuronal cell death in neurodegeneration and development at the Walter and Eliza Hall Institute before being recruited in 2003 to the University of Queensland as a founding member of the Queensland Brain Institute.

Professor Coulson's career has focused on understanding the molecular mechanisms regulating neuronal survival and death, with a view to translating these findings into treatments for neurodegenerative diseases, in particular Alzheimer's disease and motor neurone disease. Professor Coulson has also investigated the connection between disturbed sleep and cognitive decline in people living with Alzheimer's disease.

Professor Massimo Hilliard



Group Leader, Clem Jones Centre for Ageing Dementia Research

Professor Massimo A. Hilliard is a Group Leader in dementia research at the Clem Jones Centre for Ageing Dementia Research. Professor Hilliard received his PhD in Biological Chemistry and Molecular Biology in 2001 from the University of Naples, Italy and then undertook postdoctoral training with Prof William Schafer at the University of California San Diego, and with Prof Cori Bargmann at the University of California San Francisco and The Rockefeller University. In 2007, he was appointed as a Senior Research Fellow at the Queensland Brain Institute, The University of Queensland, where he has established his independent laboratory.

During his career Professor Hilliard has focused on understanding the molecular mechanisms that regulate neuronal development, maintenance, and repair, using *C. elegans* as a model system. His current research goals are to understand how the axon develops and maintains its structure over the lifetime of the organism and how the axon can be repaired when damage occurs.

Dr Zoran Boskovic



Clem Jones Centre
for Ageing Dementia
Research

Zoran Boskovic completed a Masters of Neuroscience at QBI in 2011 before joining Prof Elizabeth Coulson's lab at the Clem Jones Centre for Ageing Dementia Research for his PhD, where he investigated neuronal processes underlying cognition.

Following the completion of his PhD, Zoran joined the lab of Dr Patricio Opazo as a postdoctoral researcher in 2017, where he is currently trying to uncover the innate mechanisms of the brain that allow it to compensate for neuronal loss in ageing and dementia.

Dr Jocelyn Widagdo



Clem Jones Centre
for Ageing Dementia
Research

Jocelyn Widagdo received her PhD in 2011 from the University of New South Wales. After a short period of postdoctoral training at the Johns Hopkins University in Baltimore, USA, Dr Widagdo returned to Australia in 2012 and joined the Queensland Brain Institute, the University of Queensland, where she is currently a Research Fellow at the Clem Jones Centre for Ageing Dementia Research.

Her research aims to understand the epitranscriptomic mechanisms of synaptic plasticity, learning and memory, and how their dysregulations impact on the pathophysiology of neurodegenerative diseases and neuropsychiatric disorders.