



2009-2010 COHORT MEMBERS



Dr Terence Chan

Senior Lecturer
Institute For Telecommunications Research

Dr Terence Chan is an information-theorist determining the fundamental trade-offs between resource allocation and the quality of service delivered by a network.



Dr James Dollman

Senior Lecturer
School of Health Sciences, Human Movement, and
Nutritional Physiology Research Centre

Dr James Dollman is an exercise physiologist researching the promotion of regular physical activity in young people.



Dr Jill Dorrian

Program Director
School of Psychology, and Centre for Sleep Research

Dr Jill Dorrian is a research psychologist investigating the relationship between sleep loss, circadian disruption, performance and safety.



Dr Christine Garnaut

Senior Research Fellow
School of Art, Architecture & Design, and Director
Architecture Museum

Dr Christine Garnaut's research focuses on 20th century town planning and architectural history and heritage. Much of Christine's work lies at the nexus of the disciplines of planning and architecture and the contribution of both to academic, professional and community action.



Associate Professor Albert Juhasz

Associate Research Professor
Centre for Environmental Risk Assessment and
Remediation (CERAR)

Associate Professor Albert Juhasz is an environmental scientist developing technologies for the remediation of contaminated sites and assessment tools for the determination of contaminant exposure.



Associate Professor Desmond Lun

Associate Professor and Acting Director
School of Mathematics And Statistics, and Acting
Director of the Phenomics and Bioinformatics Research
Centre (PBRC)

Associate Professor Desmond Lun is a computational biologist focusing on applying engineering principles and tools to biology, thus enabling living organisms to be used as an effective substrate to solve important engineering problems. A core focus of Desmond's current work is on engineering a microbe that produces and secretes petroleum from solar energy and carbon dioxide.



Dr Mark McDonnell

Research Fellow
Institute For Telecommunications Research

Dr Mark McDonnell is a computational neuroscientist and electronic engineer who applies mathematical methods and computer simulation to understanding how information is encoded and communicated within the brain. Mark's work is particularly important for improving cochlear implants, i.e. "bionic ears," and other future medical bionics, but also feeds back into technology in the form of 'bio-inspired engineering.'



Dr Nicole Moulding

Senior Lecturer
School of Social Work and Social Policy, and Social Policy
Research Group, and Hawke Research Institute

Dr Nicole Moulding is a health sociologist interested in exploring the social dimension of mental health and illness. Nicole's research seeks to reveal instead the socio-cultural dimension of these experiences and address their implications for health care intervention.



Dr Beverly Muhlhausler

Senior Research Fellow
School of Pharmacy and Medical Sciences, and Sansom
Institute

Dr Beverly Muhlhausler is a fetal physiologist who is working to identify potential nutrient-based interventions which could be applied in early life in order to reduce fat deposition and reduce the risk of later obesity.



Dr Karen Murphy

Research Fellow
School of Health Sciences, and Nutritional Physiology
Research Centre

Dr Karen Murphy is a nutritional biochemist with major research interests in omega-3 fatty acids and dairy effects on body composition and cardiovascular disease. Karen's main research activity involves conducting human dietary intervention trials to elucidate the health benefits of functional foods and bioactive nutrients on measures of cardiovascular and mental health.



Associate Professor Sandra Orgeig

Associate Research Professor
School of Pharmacy and Medical Sciences, and Sansom
Institute

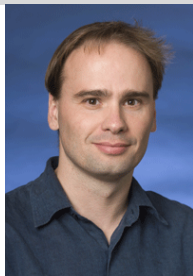
Associate Professor Sandra Orgeig is a respiratory physiologist with a particular interest in understanding the biology of the pulmonary surfactant system. Sandra's research addresses comparative, evolutionary and biomedical questions in a multi-disciplinary framework.



Dr Rossen Sedev

Senior Research Fellow
Ian Wark Research Institute

Dr Rossen Sedev is a physical chemist studying the properties and behaviour of solid and liquid surfaces subjected to various treatments and influences, e.g. chemical modifications, mechanical deformations or electromagnetic fields.



Dr Benjamin Thierry

Research Fellow

Ian Wark Research Institute

The main aim of Dr Benjamin Thierry's research program is to explore novel applications of nanotechnology in the medical field. A major emphasis is the establishment of genuine inter-disciplinary research projects with national and international leaders to fully take advantage of the unique properties of materials at the nanoscale towards the design of clinically relevant nanotechnology-enabled new diagnostic and therapeutic strategies.



Dr Krasi Vasilev

Senior Lecturer

School of Advanced Manufacturing and Mechanical Engineering, and Mawson Institute

Dr Krasi Vasilev is a material scientist with strong interest in biomaterials, nanotechnology, ultrathin polymer films, surface science and biosensing.



Dr Craig Williams

Senior Lecturer in Biological Science

School of Pharmacy and Medical Sciences, and Sansom Institute

Dr Craig Williams is a biologist, population ecologist and epidemiologist studying vector-borne disease. For the most part Craig is a medical entomologist.



Dr Tahereh Ziaian

Senior Lecturer

School of Nursing And Midwifery

The research Dr Tahereh Ziaian conducts as a community health psychologist offers interesting and innovative insights relevant to health services and social support research. Tahereh's innovation in forging new multidisciplinary and theoretical ground is acknowledged by her medical, mental health, and nursing research colleagues as having potential for real impact on how CALD people living with mental health conditions think about their health status and their use of health services.