



University of
South Australia

EARLY CAREER RESEARCHER DEVELOPMENT PROGRAM



2018 Cohort Members



Dr Ahmad Y Abu Helwa

Australian Centre for Pharmacometrics, School of Pharmacy and Medical Sciences

Dr Ahmad Y Abu Helwa is a Research Fellow pharmacometrician who does computer-based modelling and simulation of clinical trials' data to characterize the effect of food and gastrointestinal environment on the in vivo exposure of new drug products. This helps to characterize and optimize the performance of the new drug products and support commercialization of the products with regulatory authorities in several countries.



Dr Jun Ahn

Natural and Built Environments Research Centre, School of Natural and Built Environments; affiliated with Future Industries Institute

Dr Jun Ahn is a researcher in construction management and building sciences. Currently, Jun is interested in ergonomics (or 'human factors')-based approaches to construction safety and user experience in built environments.



Dr Skye Akbar

School of Management, UniSA Business School

Dr Skye Akbar focus is on contributing meaningful quality research to support self-determined sustainable community economic development for local people's wellbeing. Skye is excited to use her research skills and experience to empower people with data, supporting the development of an evidenced based body of knowledge to be used in (or arguing for) local solutions and nurturing improvement.



Dr Alemu Alemu

Barbara Hardy Institute, School of Engineering

Dr Alemu Alemu is a Mechanical Engineer who researches on energy use in buildings, air-conditioning, industrial refrigeration and thermal energy storage systems. Alemu's particular focus is on the development of system modelling and characterisation and components design with emphasis on sustainable energy use.



Dr Valeria Bellan

Centre of Cognitive and Systems Neuroscience, School of Psychology, Social Work and Social Policy; Body in Mind, School of Health Sciences

Dr Valeria Bellan is a Psychologist by training and has been working at Body in Mind and at the Centre for Cognitive and Systems Neuroscience. Valeria's research focus is on behavioural and neural aspects of chronic pain, in particular the relationship of pain with self-localisation, on the one hand, and with language on the other hand.



Dr Bhabananda (Bhaba) Biswas

Future Industries Institute

Dr Bhaba Biswas' research focus is broadly on the environmental remediation of chemical pollutants; in particular, using the interaction of microorganism and natural minerals, Bhaba develops a greener technology to clean up the contaminants.



Dr Nezar Faris

Centre for Islamic Thought and Education

Dr Nezar Faris is a leadership and management researcher who investigates leadership processes, governing issues and concepts related to leadership as in sensemaking and managing organisational culture.



Dr Danielle Girard

Alliance for Research in Exercise, Nutrition and Activity, School of Health Sciences

Dr Danielle Girard is an accredited exercise physiologist who has a keen research interest in the implementation and efficacy of exercise based interventions for the management of chronic health conditions and for promoting healthy ageing. Danielle has a particular interest in cancer and the long-term side-effects associated with cancer and/or its treatment. Specifically Danielle's research focuses on investigating neuromotor performance, exercise-induced fatigue responses, musculoskeletal health, and health-related quality of life (HRQOL) in cancer survivors and the adaptations to exercise training interventions.



Dr Reza Hassanli

Natural & Built Environments Research Centre, School of Natural & Built Environments

Dr Reza Hassanli is a structural engineer with interest in the behaviour of concrete and masonry members. My research interests include: Prestressed concrete, structural dynamics and seismic behaviour of composite and concrete structures, rehabilitation of bridges and buildings and use of recycled or waste materials in concrete/masonry.



Dr Kathleen Hill

Safety & Quality in Health Research group, School of Nursing and Midwifery

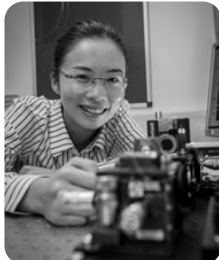
Dr Kathleen Hill is a renal nurse with a research interest in social inequalities in relation to the development of chronic renal disease, specifically populations burdened by socioeconomic disadvantage and Aboriginal and Torres Strait Islanders. Kathleen plans to combine her research experience with her current clinical practice in renal care to identify contemporary issues for Australians burdened by renal disease and to conduct relevant research that translates into improved health outcomes.



Dr Rachel Hurst

School of Art Architecture + Design

Dr Rachel Hurst is an architect who investigates the everyday in architecture, through a hybrid practice of making, writing, curating and writing. Her research uses commonplace settings and behaviors, such as the table or public square, as case studies to critically to understand spatial patterns across scales, and to generate publically exhibited artefacts. As a proponent of practice-based research she is investigating alternative models for architectural education and interstitial practice.



Dr Yvonne Kang

Laser Physics and Photonic Devices Laboratories, School of Engineering

Dr Yvonne Kang a scientist in photonics, she exploits the properties of light to measure specific changes in the environment, and develop compact lasers of single wavelength and high intensity. Yvonne's research has applications in bio-chemical sensing and advanced manufacturing



Dr Amanpreet Kaur

Centre for Sustainability Governance, School of Commerce

Dr Amanpreet Kaur is a sustainability accounting researcher who explores sustainability accounting and reporting practices of Australian public and private sector organisations. Amanpreet keenly interested in examining the role, extent and drivers of stakeholder engagement in sustainability reporting. Amanpreet's current research is focused on the use of social media in promoting interactive sustainability reporting.



Dr Renly Lim

Quality Use of Medicines and Pharmacy Research, School of Pharmacy & Medical Sciences

Dr Renly Lim is a pharmacist with a particular interest in randomised controlled trial, medicine safety, digital health, and health services research. Renly aspires to become a leader of a new cross-disciplinary field which integrates digital health in medicine safety.



Dr Will Mackay

Centre for Sustainability Governance, School of Commerce

Dr Will Mackay is a financial reporting accountant with an interest in interrogating existing governance mechanism and government regulation with the aim of validating the status quo and identifying areas in need of reform.



Dr Damian Madigan

School of Art, Architecture + Design

Dr Damian Madigan is an architect undertaking both traditional written research and research by design, investigating our suburbs' potential to support infill housing without the loss of amenity. This is done by taking a whole-of-site approach, where the allotment size, existing housing and mature landscape are seen as a single entity capable of supporting the types of new housing models needed of our changing household structures.



Dr Ben Martini

Advanced Computing Research Centre, School of Information Technology & Mathematical Sciences

Dr Ben Martini is a cybersecurity and digital forensics researcher with a particular interest in cloud computing, mobile device and Internet of Things (IoT) application domains. Ben's research is primarily applied in nature and has a focus on ensuring practical outcomes for industry and community users.



Dr Li Meng

Transport Group, School of Natural and Built Environments

Dr Li Meng is a transport engineer who tries to bring transport and land use planning into an interactive model for urban planning: in particular, travel behaviour, house choice behaviour, modelling and simulation, shared mobility, and big data in freight and transport.



Dr Carolyn Murray

Sansom Institute for Health Research, School of Health Sciences

Dr Carolyn Murray is an occupational therapist who is experienced in qualitative research methodologies in particular grounded theory and descriptive qualitative. Carolyn also has conducted a number of high quality meta-syntheses. Carolyn's research interests are in health professional development and competence as well as consumer perspectives of health services.



Dr Cathy Nguyen

Ehrenberg-bass Institute for Marketing Science, School of Marketing

Dr Cathy Nguyen is a marketing researcher who investigates advertising effectiveness, primarily what happens to an audience's attention and memory when two brands are shown in the same advertisement (e.g. featuring a commercial brand with a charity, retailer, competitor).



Dr Ngoc Nguyen

School of Engineering

Dr Ngoc Nguyen's research interests span compressive sensing, and statistical and adaptive signal processing with emphasis on target localization and tracking, sensor management, and radar imaging.



Dr Kevin O'Shaughnessy

Cancer Care research group, School of Nursing and Midwifery

The focus of Dr Kevin O'Shaughnessy's research is prostate cancer survivors and their families. Kevin is exploring and evaluating online supportive care interventions that are of value to these men and their families.



Dr Parikh Ankitkumar (Ankit) Yogeshbhai

Centre for Pharmaceutical Innovation and Development, School of Pharmacy & Medical Sciences

Dr Ankit Parikh is a drug development scientist with specialised skill of drug and disease specific pharmaceutical dosage forms design using nanotechnology for the diseases such as neurological, cancer and infectious. The aim of the current research is to fundamentally change the way people take medicine and drastically improve adherence, safety and efficacy of the therapy.



Dr Linda Pearce

School of Art, Architecture & Design

Dr Linda Pearce is an architect and telecommunications engineer who researches evidence-based spatial design and occupation. Her current focus is on improving the measurement of the complex lived experience of interior architecture to create sustainable and delightful public building interiors and workspaces.



Dr Lemuel Pelentsov

Cancer Care Group; & Mothers, Babies & Families, School of Nursing and Midwifery

Dr Lemuel Pelentsov is a nurse researcher who investigates the supportive care needs of parents caring for children with rare diseases. Identifying areas of parental supportive care need is important as this information will lead to more appropriate individualised supportive care for parents, and improve the way health providers identify needs, tailor support and plan and implement services for what has been, to-date, a largely overlooked rare diseases community.



Dr Dannielle Post

Alliance for Research in Exercise, Nutrition and Activity, School of Health Sciences

Dr Dannielle Post is a health researcher who works within the aged care environment across a number of projects designed to improve the health and wellbeing of residents, and care staff. Dannielle has a background in workplace health promotion, using participatory research methods to engage with industry partners.



Dr Teresa Puvimanasinghe

Asia Pacific Centre for Work, Health and Safety, School of Psychology Social Work & Social Policy

Dr Teresa Puvimanasinghe is investigating the transition of refugee youth from school to further education, training and employment. Teresa's broader research focus is on cross cultural mental health wellbeing including the facilitators and barriers to the wellbeing and adaptation of people from migrant and refugee backgrounds.



Dr Courtney Regan

School of Commerce

Dr Courtney Regan is an agricultural scientist and economist who investigates land use and land use change in agricultural landscapes: Courtney has a particular interest in landholder economic decision making, the economics of new industries and how to achieve a multifunctional landscape providing a range of services to society.



Dr Hanieh Safizadeh Shirazi

School of Engineering

Dr Hanieh Safizadeh Shirazi is a biomedical engineer who investigates various biomaterial surfaces and study cells interaction with these substrates for biomedical applications.



Dr Christiane Schulz

Future Industries Institute

Dr Christiane Schulz is a surface engineer with expert-level knowledge in analysis, testing and development of wear and corrosion resistant coatings. Christiane's focus is always on solving real-world problems while simultaneously taking into account overall costs and resource effectiveness. Ultimately, Christiane is aiming at making the world a better place and contribute to conserving the planet for future generations.



Dr Aliaa Shallan

Future Industries Institute

Dr Aliaa Shallan's research is focused on designing portable analytical systems that can be further engineered for commercialization. Aliaa is interested in both biological and environmental applications.



Dr Katja Siefken

Alliance for Research in Exercise, Nutrition and Activity, School of Health Sciences

Dr Katja Siefken is a public health researcher who aims to reduce health inequalities in a globalized world. Katja investigates the reduction of risk factors for non-communicable diseases with a particular interest using physical activity as a strategy to prevent diseases and promote health. The interplay of mental health and physical activity is of particular interest. A deeper understanding of this relationship may pave the way for more effective multidisciplinary approaches in the field of global public health.



Dr Alexandra Sorvina

Mechanisms in Cell Biology and Disease Research Group, School of Pharmacy & Medical Sciences

Dr Alexandra Sorvina is a cell biologist studying the trafficking and metabolic pathways in prostate cancer cells, with the aim of developing better ways to diagnose and predict the outcomes of this disease.



Dr Jacqueline Stephens

Centre for Population Health, School of Health Sciences

Dr Jacqueline Stephens is a mixed-methods epidemiologist. Jacqueline's research focusses on patient care, treatment, and outcomes, including issues related to patient decision-making and involvement in the healthcare process. Jacqueline is particularly interested in how healthcare decisions are made on behalf of children, and the involvement of children in decisions about their health and wellbeing. Jacqueline's previous research has focussed on identifying improvements to surgical techniques, surgeon training, access to health care services, and the impact of childhood illness on the child and their social supports.



Dr Bastian Stoehr

Energy and Advanced Manufacturing, Thin Film Coatings Group, Future Industries Institute

Dr Bastian Stoehr is a materials scientist and engineer with a specific interest in thin film coatings. Currently, Bastian is investigating metallic decorative radar transparent coatings for future autonomous vehicles.



Dr Ancret Szpak

Cognitive Ageing and Impairment Neurosciences laboratory, Behaviour Brain Body Research Centre, School of Psychology Social Work & Social Policy

Dr Ancret Szpak is a cognitive psychologist investigating the role of attention and eye movements in people who have cognitive impairments. Overall, the focus of Ancret's research is to evaluate and improve interventions to delay the progression of cognitive decline.



Dr Arry Tanusondjaja

Ehrenberg-bass Institute for Marketing Science, School of Marketing

Dr Arry Tanusondjaja is a marketing scientist with a background in computer science and economics, who investigates consumer behaviour, brand management, and the nature of competition across products, brands, and firms.



Dr Marnie Winter

Future Industries Institute

Dr Marnie Winter is biomedical researcher focussed on improving upon current state of the art diagnostic and prognostic testing capacities in cancer and prenatal genetic testing. Marnie has a particular interest in developing translational technologies that can have a real world clinical impact to improve detection of disease and provide prognostic insights.



Dr Osama Youssf

Natural and Built Environments Research Centre, Concrete Materials and Structures Group, School of Natural & Built Environments

Dr Osama Youssf is a concrete researcher who investigates the possibility of using tyre rubber waste in concrete materials and structure applications under different loading schemes.