

Supervisors' Research Areas

Faculty of Health & Environmental Sciences

March 2025

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All international PhD candidates will be treated as if they are residents and pay only domestic fees if they are:

- 1. Enrolled in a PhD programme at a New Zealand university.
- 2. Resident in New Zealand for the duration of their study

More details about fees can be found on the AUT website.

Full Academic profiles of supervisors are available at https://academics.aut.ac.nz/

Dean/Tumuaki



Professor Brett Cowan
Dean/Tumuaki
Faculty of Health & Environmental Sciences

Professor Brett Cowan is the Dean/Tumuaki of the Faculty of Health and Environmental Sciences (HES) and joined the AUT whānau at the beginning of 2024.

Brett joined AUT from the Crown Research Institute, Environmental Science and Research (ESR), where he has served as Chief Scientist and General Manager Research, Head of Commercialisation and Māori Economy.

Prior to this, Brett's career has included various roles as an academic, as a research and administrative leader at the University of Auckland and as an emergency medicine clinician.

Brett has a remarkable career in health, science, leadership, and public service, including:

 In health, training as a doctor and an academic career in health sciences at the University of Auckland, including setting up the internationally recognised Centre for Advanced MRI (CAMRI).

- The successful delivery of Te Tiriti partnerships with iwi, which delivered academic, research and commercial outcomes, and built strong and enduring relationships and collaborations.
- Scientific leadership across diverse roles, including most recently as Chief Scientist and GM Research at ESR (400 scientists and \$130 million revenue), and in New Zealand's scientific response to the COVID-19 pandemic.
- A clinical career as an Emergency Department doctor.
- Leadership in research, science, commercialisation, and impact, which drew together his engineering, medical and business experience, and credentials.

Brett describes himself as having a passion for health and science leadership and innovation and developing high-performing teams to deliver aspirational strategic futures.

Associate Deans

Professor Eleanor Holroyd

Associate Dean – International & Engagement

Co-Director – Migrant and Refugee Health Research Centre

Professor - Nursing

Ph (09) 921 9999 ext. 5298 | Email: eleanor.holroyd@aut.ac.nz



Methodology

- Mixed methods
- Ethnography
- Case study
- Grounded theory

Research Areas

- Women's health
- Sexual and reproductive health
- Migrant and vulnerable populations
- Asia and Pacific populations

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/eleanor.holroyd

Professor Nicola Kayes

Associate Dean Research

Co-Director, Centre for Person Centred Research Ph (09) 921 9999 ext. 7309 | Email: nkayes@aut.ac.nz



Methodology

- Mixed methods
- Applied qualitative methodologies including Qualitative Descriptive and Interpretive Descriptive
- Measurement development
- Implementation science methodologies

Research Areas

- The intersection of health psychology and rehabilitation
- Exploration of factors influencing adjustment to chronic and long-term conditions and engagement in rehabilitation
- Development of interventions targeting such factors
- Critical examination and conceptual clarification of core rehabilitation processes – e.g. goal setting, therapeutic connection, engagement
- Psychologically informed approaches to enhance rehabilitation outcome
- Exploration of the role that allied health professionals have in influencing engagement and strategies to augment practice
- Outcome measurement in rehabilitation
- Physical activity engagement for people with neurological conditions
- Integrating new ways of working into practice

Can supervise Masters and Doctoral

https://academics.aut.ac.nz/nicola.kayes

Associate Professor Nada Signal

Associate Dean of Postgraduate Research Associate Professor – Rehabilitation

Ph (09) 921 9999 ext. 7062 | Email: nada.signal@aut.ac.nz



Methodology

- Mixed methods (combining quantitative and qualitative methods)
- Experimental and clinical trials
- Implementation science
- Qualitative descriptive
- Delphi studies
- Systematic and Scoping Reviews

Research Areas

- Neurorehabilitation / Stroke Rehabilitation (intervention development and evaluation)
- Telerehabilitation, digital health interventions and rehabilitation technology development
- Motor control and learning
- Neuroscience
- Neuromodulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nada.signal

Professor El-Shadan (Dan)Tautolo

Associate Dean – Pacific Advancement Director - Pacific Health Research Centre

Ph (09) 921 9999 ext. 7527 | Email: dtautolo@aut.ac.nz



Methodology

Mixed methods – quantitative and qualitative

Research Areas

- Public health and epidemiology with specific focus on Pacific health related issues
- Men's health
- Fatherhood and fathering behaviours

Masters and Doctoral supervision availability https://academics.aut.ac.nz/dan.tautolo

Professor Denise Wilson

Associate Dean Māori Advancement Professor Māori Health

Ph (09) 921 9999 ext. 7392 | Email: dlwilson@aut.ac.nz



Methodology

- Qualitative (primarily) and quantitative
- Māori-centred Kaupapa Māori
- Grounded theory
- Case study

Research Areas

- Māori/indigenous health
- Cultural issues
- Family violence
- Health workforce development

Can supervise Masters and Doctoral https://academics.aut.ac.nz/denise.wilson

School of Clinical Sciences

Professor Judith McAra-Couper

Head of School – Clinical Sciences

Co-Director, Centre for Midwifery & Women's Health Research Ph (09) 921 9999 ext. 7193 | Email: <u>Judith.mcara@aut.ac.nz</u>



• Critical theory and qualitative research

Research Areas

- Midwifery
- Midwifery practice
- Midwifery education
- Place of birth
- Maternal mental health
- Research methodology

Can supervise Masters and Doctoral https://academics.aut.ac.nz/judith.mcara

Health and Rehabilitation Research Institute (HRRI) https://hrri.aut.ac.nz/

Dr Debbie Bean

Senior Research Fellow

Ph (09) 921 9999 ext. 7157 | Email: debbie.bean@aut.ac.nz



Methodology

Quantitative

Research Areas

- Chronic pain
- Pain management
- Pain assessment
- Health psychology
- Virtual reality

Can supervise Honours and Masters and Doctoral https://academics.aut.ac.nz/debbie.bean

Associate Professor Felicity Bright

Programme Leader – Doctor of Health Science

Senior Lecturer – Rehabilitation

Ph (09) 921 9999 ext. 7097 | Email: Felicity.bright@aut.ac.nz



Methodology

- Qualitative research, qualitative descriptive, interpretive description and Voice centred relational approach
- Conceptual review

Research Areas

- Acquired neurological conditions
- Psychosocial wellbeing including hope
- Patient engagement
- Healthcare communication including patient-practitioner interaction.
- Professional practice in rehabilitation
- Communication disability
- Clinical education

Masters and Doctoral supervision availability https://academics.aut.ac.nz/felicity.bright

Associate Professor Joanna Fadyl

Co-Director, Centre for Person Centred Research Ph (09) 921 9999 ext. 7675 | Email: jfadyl@aut.ac.nz



Methodology

- Foucauldian discourse analysis
- Qualitative inquiry and analysis applying social constructionism, postmodern, post-structural or similar sociological theories

Research Areas

- Intersections between rehabilitation and sociology
- Vocational rehabilitation and work ability
- Recovery and adaption after disabling injury, illness, experiences
- Productive citizenship and disability

Masters and Doctoral supervision availability https://academics.aut.ac.nz/joanna.fadyl

Professor Nicola Kayes

Associate Dean – Research
Co-Director, Centre for Person Centred Research
Senior Lecturer - Rehabilitation

Ph (09) 921 9999 ext. 7309 | Email: <u>nkayes@aut.ac.nz</u>



Methodology

- Mixed methods
- Applied qualitative methodologies including Qualitative Descriptive and Interpretive Descriptive
- Measurement development
- Implementation science methodologies

Research Areas

- The intersection of health psychology and rehabilitation
- Exploration of factors influencing adjustment to chronic and long-term conditions and engagement in rehabilitation
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- Psychologically informed approaches to enhance rehabilitation outcome
- Exploration of the role that allied health professionals have in influencing engagement and strategies to augment practice
- Outcome measurement in rehabilitation
- Physical activity engagement for people with neurological conditions
- Integrating new ways of working into practice

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nicola.kayes

Associate Professor Gwyn Lewis

Head of Postgraduate Research – Clinical Sciences Associate Professor

Ph (09) 921 9999 ext. 7621 | Email: glewis@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research Areas

- Neurophysiology
- Motor control
- Movement disorders
- Rehabilitation
- Pain
- Rehabilitation technology
- Virtual reality

Masters and Doctoral supervision availability https://academics.aut.ac.nz/qwyn.lewis

Dr Nico Magni

Senior Lecturer – School of Clinical Sciences

Ph (09) 921 9999 ext. 6581 | Email: <u>nico.magni@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Hand Osteoarthritis
- Hand and elbow treatment

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nico.magni

Dr Alana McCambridge

Senior Lecturer – School of Clinical Sciences

Person Centred Research Centre

Ph (09) 921 9999 ext. 31855 | Email: <u>alana.mccambridge@aut.ac.nz</u>



Methodology

- Mixed methods (qualitative and quantitative methods)
- Systematic reviews
- Experimental

Research Areas

- Health inequity
- Neurological rehabilitation
- Meta-research
- Physical activity
- Exercise rehabilitation.
- Determinants of health

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/alana.mccambridge/about

Professor Peter McNair

Director of Health and Rehabilitation Research Institute (HRRI) Ph (09) 921 9999 ext. 7143 | Email: pmcnair@aut.ac.nz



Methodology

- Quantitative
- Experimental
- Clinical biomechanics

Research Areas

- Exercise prescription for rehabilitation
- Viscoelasticity and stretching
- Electromyography
- Proprioception
- Clinical gait analysis
- Pain
- Lower limb musculoskeletal disorders, particularly arthritic disorders

Masters and Doctoral supervision availability https://academics.aut.ac.nz/peter.mcnair

Associate Professor David Rice

Associate Head of Research

Senior Lecturer - Physiotherapy | Senior Research Officer (HRRI) Ph (09) 921 9999 ext. 7032 | Email: david.rice@aut.ac.nz



Methodology

- Quantitative
- Experimental
- Prospective cohort/risk factor studies
- Clinical trials

Research Areas

- Neurophysiology
- Pain mechanisms
- Chronic pain management
- Postsurgical pain/outcomes
- Exercise rehabilitation
- Joint injury
- Arthritis
- Orthopaedics
- Non-invasive brain stimulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/david.rice

Associate Professor Nada Signal

Associate Dean of Postgraduate Research Associate Professor – Rehabilitation

Ph (09) 921 9999 ext. 7062 | Email: nada.signal@aut.ac.nz



Methodology

- Mixed methods (combining quantitative and qualitative methods)
- Experimental and clinical trials
- Implementation science
- Qualitative descriptive
- Delphi studies
- Systematic and Scoping Reviews

Research Areas

- Neurorehabilitation / Stroke Rehabilitation (intervention development and evaluation)
- Telerehabilitation, digital health interventions and rehabilitation technology development

- Motor control and learning
- Neuroscience
- Neuromodulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nada.signal

Professor Denise Taylor

Professor – Neurological Rehabilitation Research Team Ph (09) 921 9999 ext. 9680 | Email: detaylor@aut.ac.nz



Methodology

Experimental designs – controlled studies, single case study designs, clinical

Research Areas

- Motor control
- Biomechanics
- Neurological physiotherapy evaluation of intervention
- Upper limb rehabilitation
- Balance rehabilitation
- Falls prevention intervention

Masters and Doctoral supervision availability https://academics.aut.ac.nz/denise.taylor

Kate Waterworth

Senior Lecturer

Ph (09) 921 9999 ext. 5326 | Email: <u>kate.waterworth@aut.ac.nz</u>



Methodology

- Post qualitative
- Philosophy as method
- Critical theory

Research Areas

- Critical Disability studies
- Critical rehabilitation studies
- Health Professional Education.

Honours and master's supervision availability https://academics.aut.ac.nz/kate.waterworth

Midwifery

Dr Janine Clemons

Senior Lecturer

Ph (09) 921 9999 ext. 7360 | Email: janine.clemons@aut.ac.nz



Methodology

Mixed methods, surveys

Research Areas

- Midwifery
- Place of Birth
- Fear of Childbirth
- Clinical Education
- Work and wellbeing.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/janine.clemons

Dr Jennifer Barrowclough

Senior Lecturer

Email: jennifer.barrowclough@aut.ac.nz



Methodology

- Mixed methods (Quantitative and Qualitative studies)
- Triangulation
- Clinical trials
- Cochrane systematic reviews

Research Areas

- Fetal malposition in labour
- Midwifery practice
- Maternal posture in labour
- Compliance with trial protocol
- Maternal satisfaction
- Labour and birth outcomes

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/jennifer.barrowclough

Professor Susan Crowther

Professor of Midwifery

Ph (09) 921 9999 ext. 7912 | Email: susan.crowther@aut.ac.nz



Methodology

- Hermeneutic Phenomenology
- Qualitative descriptive
- Co-operative inquiry (action research)
- Grounded theory
- Qualitative meta-synthesis (form of systematic reviews)

Research Areas

- Midwifery and childbirth
- Psychosocial and cultural aspects of birth
- Spirituality and childbirth
- Rural and remote maternity/midwifery
- Sustainable midwifery continuity of care practice

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/susan.crowther

Dr Anna Fielder

Senior Lecturer – Midwifery Email: anna.fielder@aut.ac.nz



Methodology

- Critical Theory
- Social Reproduction Theory. Marxism.

Research Areas

- Pregnancy
- Childbirth
- Midwifery

Honours and Masters supervision availability https://academics.aut.ac.nz/anna.fielder

Dr Tania Fleming

Head of Department - Midwifery Senior Lecturer – Midwifery

Ph (09) 921 9999 ext. 7602 | Email: tania.fleming@aut.ac.nz



Methodology

- Mixed methods
- Reframed Standpoint Theory

Research Areas

- Cultural safety for midwifery academics, applying Kawa whakaruruhau & cultural safety to Learning and Teaching
- Equitable access to maternity services

Masters and Doctoral supervision availability https://academics.aut.ac.nz/tania.fleming

Professor Judith McAra-Couper

Head of School - Clinical Sciences

Co-Director, Centre for Midwifery & Women's Health Research Ph (09) 921 9999 ext. 7193 | Email: judith.mcara@aut.ac.nz



Methodology

• Critical theory and qualitative research

Research Areas

- Midwifery
- Midwifery practice
- Midwifery education
- Place of birth
- Maternal mental health
- Research methodology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/judith.mcara

Dr Nimisha Waller

Senior Lecturer - Midwifery

Ph (09) 921 9999 ext. 7210 | Email: Nwaller@aut.ac.nz



Methodology

Qualitative research

Research Areas

- Midwiferv
- Maternity care
 - Students' understanding of normal birth.
 - How midwives keep birth normal
 - Postnatal distress and particularly PTSD following childbirth, reflective conversations between women and midwives and impact on them.

Honours and Masters supervision availability https://academics.aut.ac.nz/nimisha.waller

National Institute for Stroke and Applied Neurosciences | https://nisan.aut.ac.nz/

Professor Valery Feigin

Director – National Institute for Stroke and Applied Neurosciences (NISAN) Ph (09) 921 9999 ext. 9166 | Email: vfeigin@aut.ac.nz



Methodology

 Quantitative methods applied to clinical trials and non-experimental epidemiological studies (cross-sectional, case-control, cohort, incidence, prevalence studies), systematic reviews / evidence-based medicine

Research Areas

- Neuroepidemiology and neurorehabilitation
- Cerebrovascular disease (stroke, transient ischaemic attack) risk factors, prevention, prognosis and prognostic factors, outcomes, treatment, rehabilitation and health care organisation
- Traumatic brain injury
- Dementia

Masters and Doctoral supervision availability https://academics.aut.ac.nz/valery.feigin

Dr Shabnam Jalili Moghaddam

Research Fellow (NZ Registered Nutritionist)
National Institute for Stroke and Applied Neurosciences (NISAN)
Member | Migrant and Refugee Research Centre
Ph (09) 921 9999 ext. 7528 | Email: shabnam.jalili@aut.ac.nz



Methodology

Quantitative- cross-sectional, longitudinal, and clinical trial research designs
 Research Areas

- Dietary patterns and eating behaviours Community nutrition
- Nutrition and health outcomes in migrant, refugee, and multi-ethnic populations · Public health and health promotion
- Prevention of non-communicable diseases

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/shabnam.jalili

Associate Professor Kelly Jones

National Institute for Stroke and Applied Neurosciences (NISAN) Ph (07) 838 4257 | Email: kelly.jones@aut.ac.nz



Methodology

- Quantitative
- Neuropsychological assessment
- Questionnaires in cross-sectional and longitudinal studies

Research Areas

- Child neurodevelopmental outcomes
- Traumatic brain injury
- Paediatric neuropsychological assessment
- Illness perceptions
- Child and adolescent development
- Parent mental health

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kelly.jones

Professor Rita Krishnamurthi

Deputy Director - National Institute for Stroke and Applied Neurosciences (NISAN) Ph (09) 921 9999 ext. 7809 | Email: rkrishna@aut.ac.nz



Methodology

- Quantitative
- Cross-sectional and cohort studies
- Randomised controlled trials
- Digital technologies

Research Areas

- Cerebrovascular disease (stroke, transient ischaemic attack) risk factors, prevention, prognosis and prognostic factors, outcomes, treatment, biomarkers
- Dementia epidemiology
- Clinical epidemiology
- Neurodegenerative disorders (Parkinson's disease)

Masters and Doctoral supervision availability https://academics.aut.ac.nz/rita.krishnamurthi

Dr Alexandr Merkin

Lecturer | Department of Psychotherapy & Counselling

Research Fellow at the National Institute for Stroke and Applied Neurosciences Ph (09) 921 9999 ext. 9389 | Email: amerkin@aut.ac.nz



Methodology

- · Quantitative including experimental designs and clinical trials
- Qualitative descriptive
- Mixed methods (combining quantitative and qualitative methods)

Research Areas

- Mental health
- Psychopathology
- Psychotherapy
- Digital technologies in mental health
- Dementia
- Neuroscience

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/merkin.alexander

Dr Bala Nair

Lecture and Programme Manager

Member | National Institute for Stroke and Applied Neurosciences

Member | Migrant and Refugee Health Research Centre

Ph (09) 921 9999 ext. 9389 | Email: amerkin@aut.ac.nz



Methodology

- Quantitative methods, data analytics, public health epidemiology.
- Qualitative methods, thematic analysis, appreciative inquiry, policy analysis.
- Mixed methods (combining quantitative and qualitative methods)

Research Areas

- Implementation research digital health technologies
- Health policy, service planning and management
- Chronic diseases, health promotion, stroke care and hospital management
- HIV and sexual health policy and planning
- Large clinical and other healthcare data management

Honours and Masters supervision availability Bala Nair | Mōku | About | Auckland University of Technology

Dr Sulekha (Devaki) De Silva

Project Manager

National Institute for Stroke and Applied Neurosciences

Member | Migrant and Refugee Research Centre

Ph (09) 921 9999 ext. 8229 | Email: sulekha.de.silva@aut.ac.nz



Methodology

- Quantitative studies
- Clinical trials, cross-sectional, cohort studies
- Qualitative descriptive

Research Areas

- Cerebrovascular disease (stroke, transient ischaemic attack) risk factors, prevention and biomarkers
- Preterm birth
- Neurosciences
- Public Health
- Migrant and refugee studies special reference to Sri Lankan studies.

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/sulekha.de.silva

Dr Isaac Amankwaa

Senior Lecturer - Nursing

Member | Migrant and Refugee Research Centre

Ph (09) 921 9999 ext. 31229 | Email: <u>Isaac.amankwaa@aut.ac.nz</u>



Methodology

- Mixed-Methods Research Informed by Pragmatism Perspectives
- JBI Approaches to Systematic Reviews
- Bibliometric Analysis
- Implementation Science
- Advanced Qualitative Methods

Research Areas

- Evidence-Based Synthesis
- Workforce Development in Nursing
- Ethical Aspects of Healthcare, focusing on Assisted Dying
- Community-Engaged Healthcare
- Health Disparities and Minority Health
- HIV/AIDS Prevention and Treatment Adherence
- Interprofessional Collaboration focusing on Student-Assisted Clinics

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/isaac.amankwaa/about

Dr Julie Blamires

Senior Lecturer – Nursing | Programme Leader – Child Health Ph (09) 921 9999 ext. 7979 | Email: julie.blamires@aut.ac.nz



Methodology

- Qualitative
- Interpretive Description
- Case Study

Research Areas

- Child and youth health
- Impacts of chronic illness on children and young people
- Clinical specialty areas include respiratory and pediatric rheumatology.

Masters and Doctoral supervision availability

Julie Blamires Profile | Auckland University of Technology (aut.ac.nz)

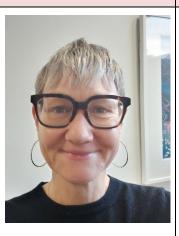
Associate Professor Tula Brannelly

Head of Research – Clinical Sciences

Senior Lecturer - Nursing

Member | Migrant and Refugee Research Centre

Ph (09) 921 9999 ext. 8390 | Email: tula.brannelly@aut.ac.nz



Methodology

- Critical methodologies
- Qualitative research, participatory approaches
- Narrative approaches
- Evaluation of services
- Mixed methods

Research Areas

- Ethics of care
- Marginalized groups
- People with dementia
- Family participation in care
- Dementia
- Mental health and wellbeing

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/tula.brannelly

Dr Sally Britnell

Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 7539 | Email: sally.britnell@aut.ac.nz



Methodology

- Quantitative
- Mixed Methods
 - Design Science

Research Areas

- Pediatrics and Child Health
 - o Resuscitation
- Education
 - o Innovation
 - Blended Learning
- Application Design, Development and Testing
 - o Computer Vision
 - Mobile Technologies
 - Weight Estimation using AR.
- Health / Nursing Informatics
 - o Curriculum Mapping
 - o Education and Standards
 - Innovation

Honours and Masters supervision availability https://academics.aut.ac.nz/sally.britnell

Dr Jo Conaglen

Senior Lecturer - Nursing

09 921 9999 ext 7017 Email: jo.conaglen@aut.ac.nz



Methodology

- Qualitative
- Phenomenology
- Case Study

Research areas

Social gerontology

Honours and Masters supervision availability https://academics.aut.ac.nz/joanne.conaglen

Associate Professor Catherine Cook

Senior Lecturer - Nursing

09 921 9999 ext 6651 Email: catherine.cook@aut.ac.nz



Methodology

- Qualitative
- Critical, feminist
- Intersectionality

Research areas

- Women's health
- Sexual health, sexuality and ageing
- Stigmatised & marginalised populations
- Health workforce
- Intercultural communication
- Health law and ethics

Masters and Doctoral supervision availability https://academics.aut.ac.nz/catherine.cook

Associate Professor Jan Dewar

Head of Department | Nursing Senior Lecturer

Ph (09) 921 9999 ext. 5450 | Email: jan.dewar@aut.ac.nz



Methodology

- Hermeneutic Phenomenology
- Qualitative descriptive methods

Research Areas

- Acute Hospital Care
- Nursing research
- Interprofessional research

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jan.dewar

Dr Claire Doole

Senior Lecturer

Ph (09) 921 9999 ext. 7135 | Email: <u>claire.doole@aut.ac.nz</u>



Methodology

Grounded theory

Research Areas

- Self-management support for long term conditions
- Lived experience of long-term conditions
- Community nursing, primary health care
- Lymphoedema

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/claire.doole

Associate Professor Mandie Jane Foster

Senior Lecturer – Children and Young Peoples' Nursing Ph (09) 921 9999 ext. 8468 | Email: mandie.foster@aut.ac.nz



Methodology

- Mixed methods
- Applied qualitative methodologies including qualitative descriptive and interpretive descriptive.
- Measurement development
- Systematic reviews
- Critical appraisal of the literature
- Delphi studies
- Feasibility studies

Research Areas

- Children and young people's nursing
- Child and adolescent health
- Health service delivery to children and caregivers
- Researching with children
- Evidence-based practice
- Child self-report tools
- Child research

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/mandie.foster

Dr Claire Gear

Senior Research Fellow Ph 0273574845 | Email: claire.gear@aut.ac.nz



Methodology

- Qualitative methods
- Complexity theory
- Participatory research

Research Areas

- Health care responsiveness to family violence
- Trauma- and violence-informed care
- Application of complexity theory
- Community-based research

Masters and Doctoral supervision availability https://academics.aut.ac.nz/claire.gear/

Professor Eleanor Holroyd

Professor – Nursing
Associate Dean – International & Engagement
Co-Director – AUT Centre of Migrant and Refugee Health
Ph (09) 921 9999 ext. 5298 | Email: eleanor.holroyd@aut.ac.nz



Methodology

- Mixed methods
- Ethnography
- Case study
- Grounded theory

Research Areas

- Women's health
- Sexual and reproductive health
- Migrant and vulnerable populations
- Asia and Pacific populations

Masters and Doctoral supervision availability https://academics.aut.ac.nz/eleanor.holroyd

Dr Kiri Hunter

Kaiwhakaako Senior Lecturer - Nursing Email: kiri.hunter@aut.ac.nz



Methodology

- Kaupapa Māori
- Qualitative
- Ethnographic
- Intersectionality

Research Areas

- Māori health
- Nursing education and practice
- Kawa whakaruruhau cultural safety
- Interdisciplinary (Police mental health service delivery)

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kiri.hunter

Professor Jacquie Kidd

Associate Head of School, Māori Advancement Professor of Nursing

Ph (09) 921 9670 Extn 7329 | Email: jacquie.kidd@aut.ac.nz



Methodology

- Kaupapa Māori
- co-design
- qualitative
- creative
- autoethnography

Research Areas

- Māori health,
- health literacy and
- mental health

Can supervise Masters and Doctoral https://academics.aut.ac.nz/jacquie.kidd

Jacquie is unable to take on any further supervisions currently.

Professor Jane Koziol-McLain

Director, Centre for Interdisciplinary Trauma Research Ph (09) 921 9670 | Email: jane.koziol-mclain@aut.ac.nz



Methodology

- Quantitative methods (RCT, quasi-experimental, descriptive)
- Qualitative descriptive methods
- Participatory action research
- Evidence based practice
- Critical reviews
- Knowledge translation

Research Areas

- Family violence (prevention, health care response)
- eHealth interventions
- Nursing research
- Trauma-informed health care
- Emergency healthcare research

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jane.koziol.mclain

Associate Professor Rachel Macdiarmid

Co-Head of Nursing Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 7687 | Email: Rachel.macdiarmid@aut.ac.nz



Methodology

Hermeneutic Phenomenology

Research Areas

- Simulation
- Debriefing
- Pedagogy associated with simulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/rachel.macdiarmid

Professor Brian McKenna

Professor – Forensic Mental Health (Nursing)

Ph (09) 921 9999 ext. 7507 | Email: <u>brian.mckenna@aut.ac.nz</u>



Methodology

- Quantitative methodologies
- Mixed methods research

Research Areas

- Forensic mental health
- Mental health legislation
- Clinical practice in mental health and addictions
- Mental health and addictions service delivery
- Risk assessment and risk management.
- Reducing restrictive interventions in mental health services
- Mental health in corrective services

Masters and Doctoral supervision availability https://academics.aut.ac.nz/brian.mckenna

Associate Professor Gael Mearns

Associate Professor - Nursing

Ph (09) 921 9999 ext. 7108 | Email: gmearns@aut.ac.nz



Methodology

- Quantitative
- Psychometric tool testing
- **Randomised Control Trials**
- Mixed methods
- Qualitative descriptive
- **Randomised Control Trials**
- Grounded theory

Research Areas

- Nutrition
- Life course model of health
- Pharmacology and prescribing
- Advancing nursing practice

Masters and Doctoral supervision availability https://academics.aut.ac.nz/gael.mearns

Dr Rebecca Mowat

Senior Lecturer – Nursing | Programme Leader – Advanced Nursing Practice and **Nurse Practitioner Training Programme**

Ph (09) 921 9999 ext. 7182 | Email: rebecca.marie.mowat@aut.ac.nz



Methodology

- Mixed methods (qualitative and quantitative)
- Case study
- Integrative/systematic reviews

Research Areas

- Chronic pain management
- Cardiovascular risk in women and south Asian populations
- Pathophysiology and associated medications
- Health and disability complaints
- Older adult health and wellbeing

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/rebecca.marie.mowat

Dr Sara Napier

Senior Lecturer - Nursing

Ph 022 069 7937 | Email: sara.napier@aut.ac.nz



Methodology

- Qualitative interpretive, narrative, thematic analysis, document analysis,
- Case study
- Mixed methods
- Systematic reviews
- Participatory action research

Research Areas

- Social gerontology
- Older adult health and wellbeing
- Age-friendly communities

Masters and Doctoral supervision availability https://academics.aut.ac.nz/sara.napier

Dr Michael Neufeld

Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 7402 | Email: michael.neufeld@aut.ac.nz



Methodology

- Participatory Video and Drama
- Participatory Action Research
- Hermeneutic Narrative inquiry
- Narrative
- Critical Theory
- Portraiture

Research Areas

- Child and Youth voice in Healthcare and Policy
- Child and Youth Health
- Ethical and moral tensions in healthcare practice
- The role of Dream seeding in Pediatric Ketamine sedation
- Rights based standards for Children and Young people undergoing treatment.

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/michael.neufeld

Dr Susan Platt

Senior Lecturer – Nursing Programme Leader Clinical

Ph (09) 921 9999 ext. 7132 | Email: susan.platt@aut.ac.nz



Methodology

- Qualitative
- Hermeneutics

Research Areas

- Nursing practice research
- Nursing education research
- Child abuse/neglect
- Child health

Masters and Doctoral supervision availability

<u>Dr Susan Platt Profile | Auckland University of Technology (aut.ac.nz)</u>

Shayne Rasmussen

Lecturer - Nursing

Ph (09) 921 9999 ext. 7118 | Email: srasmuss@aut.ac.nz



Methodology

- Qualitative including narrative inquiry, interpretive, post-structural.
- Mixed methods

Research Areas

- Child health
- Researching with children and families
- Person and family approaches
- Nursing
- Social justice

Honours and Masters supervision availability https://academics.aut.ac.nz/shayne.rasmussen

Dr Kay Shannon

Senior Lecturer – Nursing | Programme Leader Older Adult Health and Wellness Programme Leader Master of Nursing Science (Graduate Entry Programme)
Ph (09) 921 9999 ext. 7765 | Email: kay.shannon@aut.ac.nz



Methodology

- Qualitative
- Case study
- Critical realism

Research Areas

- · Older adult health and wellbeing
- Innovation in aged care service delivery
- Aged care workforce
- Graduate entry nurse education

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kay.shannon

Dr Jaga maya Shrestha-Ranjit

Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 7657 | Email: <u>jagamaya.shrestha@aut.ac.nz</u>



Methodology

- Quantitative
- Qualitative descriptive
- Mixed methods
- Participatory action research

Research Areas

- Health and well-being of minority refugee and migrant populations
- Women's health
- Primary health care, health promotion and health literacy
- Social justice
- Asian health
- Assessment and management of children's pain

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jagamaya.shrestha

Dr Alexander Stevens II

Senior Māori Academic/Senior Lecturer Email: alexander.stevens.ii@aut.ac.nz



Methodology

- Kaupapa Māori (Atuatanga, Pūrākau, Te Ao Marama)
- Indigenous mixed method (Storytelling; Personal reflection; Sharing Circles; Ceremony)
- Mixed methodology

Research Areas

- Format 3: Practice Oriented research
- Māori health
- Sexual violence recovery
- Mental Health & Addictions
- Indigenous studies
- Financial capability

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/alexander.stevens.ii

Dr Sarah Williams

Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 31082 | Email: <u>sarah.williams@aut.ac.nz</u>



Methodology

- Qualitative descriptive
- Case study

Research Areas

- Child health
- Education and health sector relationships
- School health services
- · Community paediatric nursing
- Primary care

Honours and Masters supervision availability https://academics.aut.ac.nz/sarah.williams

Dr Deborah H. Wilson

Senior Lecturer - Nursing

Ph (09) 921 9999 | Email: debbie.wilson@aut.ac.nz



Methodology

- Mixed methods (quant and qual)
- Implementation research
- Intervention adaptation and process evaluation
- Community based participatory research.
- Scoping reviews

Research Areas

- Culture as treatment
- Workforce well-being
- Indigenous health
- Nursing research

Masters and Doctoral supervision availability

Deborah H. Wilson Profile | Auckland University of Technology (aut.ac.nz)

Dr Shelaine Zambas

Senior Lecturer - Nursing

Ph (09) 921 9999 ext. 7865 | Email: shelaine.zambus@aut.ac.nz



Methodology

- Pragmatism
- Hermeneutics
- Systematic/integrative reviews

Research Areas

- Clinical assessment
- Patient safety
- Diagnostic reasoning
- Advanced practice

Masters and Doctoral supervision availability https://academics.aut.ac.nz/shelaine.zambas

Occupational Therapy

Dr Brenda Flood

Senior Lecturer | Interprofessional Practice Developer Clinical Manager, AUT Integrated Health

Ph (09) 921 9999 ext. 9008 | Email: <u>Brenda.flood@aut.ac.nz</u>



Methodology

- Qualitative
- Hermeneutic phenomenology

Research Areas

- Interprofessional education
- Interprofessional collaborative practice
- Health professional experiences of working across disciplines
- Health education

Masters and Doctoral supervision availability https://academics.aut.ac.nz/brenda.flood

Professor Clare Hocking

Professor – Occupational Therapy

Ph (09) 921 9999 ext. 9162 | Email: clare.hocking@aut.ac.nz



Methodology

- Qualitative descriptive
- Systematic review

Research Areas

- Occupational justice
- Occupational science
- Occupational therapy practice

Honours, Masters and Doctoral supervision availability

Clare Hocking | Mōku | About | Auckland University of Technology

Dr Margaret Jones

Senior Lecturer – Occupational Therapy

Ph (09) 921 9999 ext. 7781 | Email: margaret.jones@aut.ac.nz



Methodology

• Qualitative, mixed methods, case study, systematic review

Research Areas

- Paediatric rehabilitation
- Rehabilitation for people with cognitive impairments
- Participation and inclusion
- Children and young people's occupations
- Evidence-based practice

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/margaret.jones

Dr Jenni Mace

Senior Lecturer – Occupational Science and therapy Ph (09) 921 9999 ext. 7605 | Email: imace@aut.ac.nz



Methodology

- Qualitative
- Deweyan pragmatism
- Capability theory
- Appreciative inquiry
- Reflexive thematic analysis

Research Areas

- Homelessness and Poverty
- Families/children in severe housing deprivation
- Occupation and wellbeing
- Occupational justice/Social occupational therapy
- Human Rights

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/jenni.mace

Dr Ellen Nicholson

Deputy Head of School – Clinical Sciences Acting Head of Midwifery

Ph (09) 921 9999 ext. 7742 | Email: <u>ellen.nicholson@aut.ac.nz</u>



Methodology

- Critical participatory action research
- Qualitative descriptive

Research Areas

- Child and adolescent health
- Mental health

Masters and Doctoral supervision availability https://academics.aut.ac.nz/ellen.nicholson

Dr Heleen Reid

Senior Lecturer | Head of Occupational Therapy Ph (09) 921 9999 ext. 7782 | Email: hreid@aut.ac.nz



Methodology

- Phenomenology
- Qualitative descriptive
- Semiotics
- History of ideas

Research Areas

- Occupational science and therapy
- Occupation based models + theory.
- Environment for occupation
- Neurological/physical health

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/heleen.reid

Associate Professor Daniel Sutton

Senior Lecturer - Occupational Therapy | Programme Leader - Mental Health and Addictions Ph (09) 921 9999 ext. 7732 | Email: dsutton@aut.ac.nz



Methodology

• Interpretive, phenomenology, qualitative - descriptive

Research Areas

- Mental health rehabilitation
- · Recovery from mental illness
- Occupation and mental wellbeing
- Sensory modulation
- Qualitative methodologies, including Hermeneutic phenomenology, appreciative inquiry

Masters and Doctoral supervision availability https://academics.aut.ac.nz/dsutton

Oral Health

Daniel Fernandez

Oral Health Lecturer

Member AUT Child and Youth Health Research Centre Ph (09) 921 9999 ext. 6157 | Email: dfernand@aut.ac.nz





Participatory action research

Research Areas

Methodology

- Oral health
- Dental caries
- Restorative materials
- Oral health promotion

Honours and Masters supervision availability

Daniel Fernandez Profile | Auckland University of Technology (aut.ac.nz)

Karen Lansdown

Head of Department | Oral Health

Senior Lecturer

Ph 021 964 980 | Email: karen.lansdown@aut.ac.nz



Methodology

Mixed Methods

Research Areas

- Oral health
- Cerebral Palsy and Oral Health
- Higher Education

Honours and Masters supervision availability https://academics.aut.ac.nz/karen.lansdown

Chris Han

Senior Lecturer

Ph 09 921 9999 ext. 5040 | Email: <u>heuiwon.han@aut.ac.nz</u>



Methodology

Mixed Methods

Research Areas

- Oral Health
- Child Protection
- Higher Education

Honours and Masters supervision availability https://academics.aut.ac.nz/heuiwon.han

Dr Amira Salem

Senior Lecturer | Oral Health

Ph (09) 921 9001 ext. 33108 | Email: amira.salem@aut.ac.nz



Methodology

- Quantitative including experimental designs and clinical trials
- Mixed methods (combining quantitative and qualitative methods)

Research Areas

- Biotechnology
- Microbiology
- Translational research
- Technology and innovation in oral health

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/amira.salem

Dr Claudia Zagreanu

Professor of Oral Health

Ph (09) 921 9999 ext7674 | Email: claudia.zagreanu@aut.ac.nz



Methodology

- Quantitative: descriptive, correlational and quasi-experimental
- Qualitative: descriptive
- Mixed methods

Research Areas

- Neurosciences
- Public Health
- Epidemiology
- Oral Health

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/claudia.zagreanu

Paramedicine

Professor Bridget Dicker

Head of Paramedicine

Senior Lecturer

Ph (09) 921 9999 | Email: bridget.dicker@aut.ac.nz



Methodology

Quantitative

Research Areas

- Paramedicine
- Resuscitation
- Out-of-hospital emergency care
- Out-of-hospital Trauma
- Out-of-hospital Stroke
- Acute coronary syndromes

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/bridget.dicker

Dr Graham Howie

Senior Lecturer - Paramedicine

Ph (09) 921 9999 ext. 7679 | Email: graham.howie@aut.ac.nz



Methodology

Quantitative research methods

Research Areas

- Front-line paramedicine
- Resuscitation
- Pre-hospital emergency care
- Cardiovascular disease and management (in the paramedic setting)

Masters and Doctoral supervision availability https://academics.aut.ac.nz/graham.howie

Dr Verity Todd

Senior Lecturer - Paramedicine Email: verity.todd@aut.ac.nz



Methodology

- Quantitative
- Supportive of Mixed methods and qualitative studies

Research Areas

- Paramedicine
- Pre-hospital care
- Trauma (emergency and low acuity)
- Community care

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/11539-verity-todd

Dr Karen Webster

Associate Head of Postgraduate Programmes

Senior Lecturer | Programme Lead – Leadership and Management Pathway

Ph (09) 921 9999 ext. 6745 | Email: karen.webster@aut.ac.nz



Methodology

- Qualitative
- Mixed methods including quantitative analysis of datasets
- Phenomenology
- Kaupapa Māori
- Case study
- Policy research methods
- Evaluation

Research Areas

- Leadership and management
- Clinical governance and quality
- Clinical risk management
- Public policy
- Political science

Masters and Doctoral supervision availability https://academics.aut.ac.nz/karen.webster

Physiotherapy

Tom Adams

Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 5240 | Email: tom.adams@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research areas

- Injury prevention
- Shoulder rehabilitation
- Proprioception and Musculoskeletal injury

Honours and Masters supervision availability https://academics.aut.ac.nz/tom.adams

Professor Mark Boocock

Professor of Physiotherapy/Ergonomics
Director – Health & Rehabilitation Research Institute
Ph (09) 921 9999 ext. 7167 | Email: mboocock@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research Areas

- Ergonomics
- Occupational biomechanics
- Musculoskeletal disorders
- Biomechanical modelling
- Health and safety working practices and guidelines
- Injury prevention

Masters and Doctoral supervision availability https://academics.aut.ac.nz/mark.boocock

Jill Caldwell

Senior Lecturer – Physiotherapy

Ph (00) 021 0000 ext. 7221 | Email: iill caldw

Ph (09) 921 9999 ext. 7321 | Email: jill.caldwell@aut.ac.nz



Methodology

Quantitative

Research Areas

- Physiotherapy
- Musculoskeletal biomechanics
- Manipulative physiotherapy

Honours and Masters supervision availability https://academics.aut.ac.nz/jill.caldwell

Dr Shikha Chaudhary

Senior Lecturer, Programme Leader BHSc (Hons) Standard pathway Ph (09) 921 9999 ext. 7030 | Email: shikha.chaudhary@aut.ac.nz



Methodology

- Quantitative
- Experimental
- Mixed methods

Research Areas

- Postural control
- Vestibular Rehabilitation
- Vision-vestibular interaction
- Eye tracking technology

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/shikha.chaudhary

Professor Richard Ellis

Senior Lecturer - Physiotherapy | Programme Leader BHSc (Hons) Physiotherapy Ph (09) 921 9999 ext. 7612 | Email: rellis@aut.ac.nz



Methodology

- Quantitative methodology including clinical, experimental, cross-sectional
- Systematic review and critical literature review

Research Areas

- Musculoskeletal and sports physiotherapy
- Manual and manipulative therapy clinical application and efficacy
- Ultrasound imaging musculoskeletal and rehabilitative
- Neurodynamic and neural mobilization
- Peripheral nervous system biomechanics, assessment, and treatment

Masters and Doctoral supervision availability https://academics.aut.ac.nz/richard.ellis

Bronwyn Harman

Lecturer – Physiotherapy

Ph (09) 921 9999 ext. 7518 | Email: <u>Bronwyn.harman@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Physiotherapy
- Orthopaedic rehabilitation
- Musculoskeletal biomechanics

Honours and Masters supervision availability https://academics.aut.ac.nz/bronwyn.harman

Dr Julia Hill

Senior Lecturer – Physiotherapy

Ph (09) 921 9999 ext. 7641 | Email: julia.hill@aut.ac.nz



Methodology

Quantitative, experimental

Research Areas

- Low back pain (LBP) in children and adults
- Adherence to exercise
- Injury prevention in the office environment

Masters and Doctoral supervision availability https://academics.aut.ac.nz/julia.hill

Diana Horner

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 7083 | Email: <u>diana.horner@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Outcome measures
- Physiotherapy
- Cardiac rehabilitation

Honours and Masters supervision availability https://academics.aut.ac.nz/diana.horner

Nicola Jepsen

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 7951 | Email: <u>nicola.jepsen@aut.ac.nz</u>



Methodology

- Qualitative descriptive
- Quantitative

Research Areas

- Public health
- Social determinants of health
- Access to health care
- Health inequities
- Cultural responsiveness
- Chronic respiratory disease
- Pulmonary rehabilitation

Honours and Masters supervision availability https://academics.aut.ac.nz/nicola.jepsen

Susan Kohut

Senior Lecturer – Physiotherapy | Programme Leader Acupuncture Ph (09) 921 9999 ext. 7041 | Email: skohut@aut.ac.nz



Methodology

Qualitative

Research Areas

- Western acupuncture
- Older adult physiotherapy

Honours and Masters supervision availability https://academics.aut.ac.nz/susan.kohut

Dr Nitika Kumari

Lecturer Physiotherapy

Ph (09) 921 9999 ext. 7863 | Email: nitika.kumari@aut.ac.nz



Methodology

- Experimental
- Quantitative

Research Areas

- Transcranial direct current stimulation
- Motor control and learning
- Cerebellar learning
- Locomotor adaptation
- Stroke rehabilitation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nitika.kumari

Professor Peter McNair

Associate Director of Health and Rehabilitation Research Institute (HRRI) Ph (09) 921 9999 ext. 7143 | Email: pmcnair@aut.ac.nz



Methodology

- Quantitative
- Experimental
- Clinical biomechanics

Research Areas

- Exercise prescription for rehabilitation
- Viscoelasticity and stretching
- Electromyography
- Proprioception
- Clinical gait analysis
- Pain
- Lower limb musculoskeletal disorders, particularly arthritic disorders

Masters and Doctoral supervision availability https://academics.aut.ac.nz/peter.mcnair

Dr Grant Mawston

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 7180 | Email: gmawston@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research Areas

- Biomechanics of the lumbar spine
- Electromyography
- Muscle fatigue
- Exercise testing and prescription

Masters and Doctoral supervision availability https://academics.aut.ac.nz/grant.mawston

Dr Sarah Mooney

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 6208 | Email: samooney@aut.ac.nz



Methodology

- Qualitative
- Critical

Research Areas

- Clinical education in physiotherapy including power interplay, relationships and social hierarchies
- Patient perspectives and management of people with cardiac and/or respiratory conditions such as non-cystic fibrosis bronchiectasis, breathing pattern disorders, heart failure, and obesity and aqua exercise

Masters and Doctoral supervision availability https://academics.aut.ac.nz/sarah.mooney

Professor David Nicholls

Professor - Physiotherapy

Ph (09) 921 9999 ext. 7064 | Email: dnicholl@aut.ac.nz



Methodology:

- Post qualitative, postmodern, and post structural philosophy, histories of the present
- Foucauldian discourse analysis
- Object oriented ontology and new materialism

Research Areas

- Social and political history of physiotherapy
- Professionalisation
- Post disciplinary studies.
- Objects, OOO and matter
- Curriculum reform
- Critical histories of rehabilitation
- Postmodern and post structural theory and philosophy.
- Education philosophy and theory
- Embodiment and movement
- Foucault (particularly governmentality and discipline)
- Bleeding edge practice
- Discipline

Masters and Doctoral supervision availability https://academics.aut.ac.nz/david.nicholls

Associate Professor Daniel O'Brien

Head of Postgraduate Studies (Taught Courses)

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 8707 | Email: dobrien@aut.ac.nz



Methodology

- Mixed-methods research
- Qualitative descriptive
- Survey-based studies

Research Area

- Osteoarthritis management
- Health, illness and treatment beliefs
- Interprofessional education and practice
- Balance assessment in type II diabetics

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/daniel.obrien

Dr Sharon Olsen

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 8611 | Email: <u>sharon.olsen@aut.ac.nz</u>



Methodology

- Quantitative
- Mixed methods

Research Areas

- Neuromodulation
- Neurophysiology
- Neuromuscular control
- Neurological rehabilitation
- Rehabilitation technology
- Stroke

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/sharon.olsen

Dr Julie Reeve

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 7085 | Email: jreeve@aut.ac.nz



Methodology

• Quantitative, experimental, survey design, clinical trials

Research Areas

- Cardiorespiratory physiotherapy
- Acute and critical care
- Cancer rehabilitation
- Physiotherapy following major surgery
- On-call and emergency physiotherapy
- Rehabilitation following acute and critical illness
- Competency in cardiorespiratory physiotherapy
- The use of simulation in cardiorespiratory physiotherapy
- ICI

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/julie.reeve

Professor Duncan Reid

Professor Physiotherapy | Programme Lead for Sport and Exercise Physiotherapy Ph (09) 921 9999 ext. 7806 | Email: dreid@aut.ac.nz



Methodology

Quantitative

Research Areas

- Viscoelasticity (stretching)
- Biomechanics
- Osteoarthritis
- Movement screening
- · Sports injuries
- Injury prevention

Masters and Doctoral supervision availability https://academics.aut.ac.nz/duncan.reid

Associate Professor David Rice

Associate Head of Research

Senior Lecturer - Physiotherapy | Senior Research Officer (HRRI)

Ph (09) 921 9999 ext. 7032 | Email: david.rice@aut.ac.nz



Methodology

- Quantitative
- Experimental
- Prospective cohort/risk factor studies
- Clinical trials

Research Areas

- Neurophysiology
- Pain mechanisms
- Chronic pain management
- Postsurgical pain/outcomes
- Exercise rehabilitation
- Joint injury
- Arthritis
- Orthopaedics
- Non-invasive brain stimulation

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/david.rice

Associate Professor Nicola Saywell

Ph (09) 921 9999 ext. 9502 | Email: nsaywell@aut.ac.nz



Methodology

Quantitative and qualitative descriptive

Research Areas

- Neurological rehabilitation
- Motor control

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nicola.saywell

Associate Professor Nada Signal

Associate Dean of Postgraduate Research Associate Professor – Rehabilitation

Ph (09) 921 9999 ext. 7062 | Email: nada.signal@aut.ac.nz



Methodology

- Mixed methods (combining quantitative and qualitative methods)
- Experimental and clinical trials
- Implementation science
- Qualitative descriptive
- Delphi studies
- Systematic and Scoping Reviews

Research Areas

- Neurorehabilitation / Stroke Rehabilitation (intervention development and evaluation)
- Telerehabilitation, digital health interventions and rehabilitation technology development
- Motor control and learning
- Neuroscience
- Neuromodulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nada.signal

Professor Paul Sowman

Head of Physiotherapy

Ph (09) 921 9999 ext. 31830 | Email: <u>paul.sowman@aut.ac.nz</u>



Methodology

- Neuroimaging
- Neurophysiology
- Non-invasive brain stimulation
- Electroencephalography
- Magnetoencephalography
- Transcranial Magnetic Stimulation
- Electromyography
- MRI/fMRI
- Machine learning

Research Areas

- Cognitive development
- Cognitive neuroscience
- Autism
- Pain
- Sensation/perception
- Hearing

- Language
- Motor control

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/paul.sowman

Verna Stavric

Senior Lecturer - Physiotherapy | Programme Leader for Master of Physiotherapy Practice

Ph (00) 921 9999 ext. 7060 | Email: verna.stavric@aut.ac.nz



Methodology

- Qualitative
- Mixed methods

Research Areas

- Spinal cord injury rehabilitation
- Digital health interventions

Honours and Masters

https://academics.aut.ac.nz/verna.stavric

Todd Stretton

Senior Lecturer - Physiotherapy

Academic Quality and Development Advisor

Ph (00) 921 9999 ext. 7639 | Email: todd.stretton@aut.ac.nz



Methodology

- Quantitative including experimental, repeated measures
- Mixed Methods
- Educational Design Research, Design Based Research

Research Areas

- Neurological rehabilitation
- Virtual reality, immersive reality
- Pedagogy, heutagogy
- Critical thinking skills
- Education
- Scholarship of technology enhanced learning

Honours and Masters

https://academics.aut.ac.nz/todd.stretton

Professor Denise Taylor

Professor – Neurological Rehabilitation Research Team
Director - Health and Rehabilitation Research Institute (HRRI)
Ph (09) 921 9999 ext. 9680 | Email: detaylor@aut.ac.nz



Methodology

 Experimental designs – controlled studies, single case study designs, clinical trials

Research Areas

- Motor control
- Biomechanics
- Neurological physiotherapy evaluation of intervention
- Upper limb rehabilitation
- Balance rehabilitation
- Falls prevention intervention

Masters and Doctoral

https://academics.aut.ac.nz/denise.taylor

David Toomey

Lecturer - Physiotherapy

Ph (09) 921 9999 ext 26344 | Email: <u>david.toomey@aut.ac.nz</u>



Methodology

Quantitative including experimental designs and clinical trials

Research Areas

- Exercise rehabilitation
- Musculoskeletal disorders
- Neuroscience
- Persistent pain conditions

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/david.toomey

Nicola Towersey

Senior Lecturer - Physiotherapy

Ph (09) 921 9999 ext. 7641 | Email: <u>ntowersey@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Motor control
- Neurological rehabilitation
- Sensory rehabilitation
- Neurophysiology

Honours and Masters

https://academics.aut.ac.nz/nicola.towersey

Dr Steve White

Senior Lecturer - Physiotherapy | Programme Leader Musculoskeletal Physiotherapy Ph (09) 921 9999 ext. 7073 | Email: steve.white@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research Areas

- Diagnostic accuracy
- Clinical reasoning
- Musculoskeletal disorders, particularly low back and hip
- Osteoarthritis

Masters and Doctoral

https://academics.aut.ac.nz/steve.white

Podiatry

Professor Matthew Carroll

Professor – Podiatry

Ph (09) 921 9999 ext. 7305 | Email: matthew.carroll@aut.ac.nz



Methodology

- Quantitative
- Experimental

Research Areas

- Neural foot conditions and foot orthoses
- Ultrasound
- Functional and mechanical ankle instability

Masters and Doctoral

https://academics.aut.ac.nz/matthew.carroll

Dr Mike Frecklington

Head of Department | Podiatry

Ph (09) 921 9999 ext. 7832 | Email: mike.frecklington@aut.ac.nz



Methodology

Quantitative

Research Areas

- Gout and footwear
- Rheumatology

Honours and Masters supervision availability https://academics.aut.ac.nz/mike.frecklington

Dr Belinda Ihaka

Senior Lecturer – Podiatry

Ph (09) 921 9015 | Email: bihaka@aut.ac.nz



Methodology

Kaupapa Māori Research

Research Areas

- Diabetes
- Inflammatory conditions
- Musculoskeletal ultrasound of the lower limb

Honours and Masters supervision availability https://academics.aut.ac.nz/belinda.ihaka

Aaron Jackson

Senior Lecturer - Podiatry

Ph (09) 921 9999 Ext. 9004 | Email: <u>aaron.jackson@aut.ac.nz</u>



Research Areas

Biomechanics

Honours and Masters supervision availability https://academics.aut.ac.nz/aaron.jackson

Dr Prue Molyneux

Senior Lecturer – Podiatry

Ph (09) 921 9999 Ext. 7972 | Email: prue.molyneux@aut.ac.nz



Research Areas

- Podiatry
- Rheumatology and arthritis
- Foot osteoarthritis
- Musculoskeletal ultrasound imaging

Honours and Masters supervision availability https://academics.aut.ac.nz/prue.molyneux

Associate Professor Sarah Stewart

Senior Lecturer – Podiatry | Programme Leader Podiatry Ph (09) 921 9999 ext. 5451 | Email: sarah.stewart@aut.ac.nz



Methodology

- Quantitative
- Systematic reviews, meta-analysis, network meta-analysis, content analysis
- · Rasch analysis
- Qualitative (survey research, thematic analysis, meta-synthesis)

Research Areas

- Rheumatology/arthritis
- Musculoskeletal imaging (specifically ultrasound)
- Outcome measure/questionnaire development
- Patient experience/perspectives
- Lower limb biomechanics and gait analysis

Honours, Masters and Doctoral supervision https://academics.aut.ac.nz/sarah.stewart

Psychotherapy and Counselling

Dr Joanne Blackett

Senior Lecturer

Ph (09) 921 9999 ext. 7012 | email <u>joanne.blackett@aut.ac.nz</u>



Methodology

- Mixed methods research
- Survey research
- Thematic analysis
- Case study

Research Areas

- Problem solving therapy for self-harm
- Counselling the gifted and twice exceptional
- Suicide prevention
- Trauma informed practice
- Complex and developmental trauma
- Mindfulness for practitioners
- Mindfulness based interventions.
- Lived experience and de-stigmatisation.

Honours and Masters and Doctoral

https://academics.aut.ac.nz/joanne.blackett

Victoria Clarke

Lecturer | Programme Leader Child & Adolescent Psychotherapy Ph (09) 921 9999 ext. 27074 | Email: victoria.clarke@aut.ac.nz

Methodology



- Qualitative
- Interpretive Description
- Hermeneutic literature review
- Modified systematic literature review

Research Areas

- Child and Adolescent Psychotherapy
- Teletherapy
- Parent-infant work
- Identity of parents and psychotherapists

Honours and Masters supervision availability

Dr Paula Collens

Senior Lecturer

Ph (09) 921 9999 ext. 5780 | Email: <u>pcollens@aut.ac.nz</u>



Methodology

• Qualitative (specifically IPA, thematic analysis)

Research Areas

- Practice-based and conceptual questions that emerge in the areas of:
 - o Counsellor and psychotherapy education
 - Clinical supervision
 - o Talking, creative and arts-based therapies and counselling
 - o psychology
 - o Race, culture and sexualities, LGBTQ identities
- Questions that emerge at the intersection of psychology, psychotherapy, education, music and/or the arts
- Relational dimensions of teaching and learning

Masters and Doctoral supervision availability https://academics.aut.ac.nz/paula.collens

Associate Professor Elizabeth Day

Head of Department | Psychotherapy and Counselling Ph (09) 921 9999 ext. 7026 | email <u>Elizabeth.day@aut.ac.nz</u>



Methodology

 Qualitative (including post structural hermeneutics, IPA, grounded theory, Foucauldian discourse analysis, thematic analysis)

Research Areas

- Critical discourse (postcolonial, post structural, intersectional, queer theory)
- The theory and practice of:
- Relational psychotherapy
- Humanistic psychotherapy
- Existential philosophy and psychotherapy
- Yoga therapy
- Mindfulness
- Climate crisis and psychotherapy
- Millennium Development Goals

Honours, Masters and Doctoral supervisions

Dr Day is not accepting any new Doctoral supervisions until end of 2025 https://academics.aut.ac.nz/elizabeth.day

Dr Maria Haenga-Collins

Lecturer - Psychotherapy and Counselling
Ph (09) 921 9999 ext. 7048 | maria.haenga-collins@aut.ac.nz



Research Areas

 colonisation, Indigenous research methods, Māori-centred research, 'race' and contemporary modes of racism, adoption, narrative, testimony, and poetic transcription.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/maria.haenga.collins

Alan D. Jones	Lecturer - Psychotherapy and Counselling alan.jones@aut.ac.nz
<image pending=""/>	 Methodology empirical / practice / experimental Research Areas psychotherapy/schizoanlaysis/psychoanalysis continental philosophy sound / theatre/ performance. Masters and Doctoral supervision availability

Dr Kerry Thomas-Anttila

Head of Department | Psychotherapy and Counselling Senior Lecturer

Ph (09) 921 9999 ext. 7211 | Email: kthomasa@aut.ac.nz



Methodology

Qualitative, including hermeneutic phenomenology

Research Areas

- Psychotherapy
- Psychotherapy and education/learning
- Learning and the unconscious
- Relational psychoanalysis
- Practice-based evidence
- Trauma
- The intersection of hermeneutic phenomenology and psychotherapy
- Case study research, including ethics

Masters and Doctoral supervision https://academics.aut.ac.nz/kerry.thomasanttila

Mariana Torkington

Lecturer – Child and Adolescent Psychotherapy

Ph (09) 921 9999 extension 7277 | Email: mariana.torkington@aut.ac.nz



Methodology

- Qualitative
- Phenomenology
- Heuristic

Research Areas

- Published author in the arts therapies.
- Children and adolescents
- Trauma

Hons and Masters supervision availability

Professor Keith Tudor

Professor

Ph (09) 921 9999 ext. 7221 | Email: ktudor@aut.ac.nz

Methodology

• Qualitative, specifically heuristic; hermeneutic; empirical-deductive **Research Areas**

- Psychotherapy and politics
- Psychotherapy and culture
- Humanistic psychotherapy
- Transactional analysis
- Constructivism and co-creativity
- Person-centred therapy
- Group therapy
- Education/training and supervision of psychotherapists
- Time and time-limited therapy
- Positive mental health and mental health promotion
- Masculinity and violence

Masters and Doctoral supervision availability https://academics.aut.ac.nz/keith.tudor

Lecturer – Psychotherapy and Counselling

Francie van Hout

Ph (09) 921 9999 ext. 7408 | email francie.vanhout@aut.ac.nz

Research Areas

Qualitative Research - A Phenomenological Study of Learning in Psychotherapeutic Supervision: The Perspective of the Experienced Practitioner as Supervisee.

Honours and Masters supervision availability https://academics.aut.ac.nz/francie.vanhout

Senior Lecturer - Psychology and Neuroscience

Ph (09) 921 9999 ext. 7613 | Email: cbright@aut.ac.nz

Psychology and Neuroscience (incl. Addictions)

Dr Charmaine Bright

Methodology

- Qualitative research
- · Appreciative inquiry
- Narrative methodology

Research Areas

- Positive psychology, coaching psychology, developmental psychology
- Resilience and motivation
- School guidance counselling, adolescent psychology and life skills education
- Life transitions and change
- Immigration identity issues
- Personality

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/charmaine.bright

Associate Professor Liesje Donkin

Associate Professor – Psychology and Neurosicence

Ph (09) 921 9999 ext. 8164 | Email: liesje.donkin@aut.ac.nz



Methodology

Mixed methods

Research Areas

- Challenges of therapy implantation
- Body image and eating disorders
- Lived experience of inpatient admission
- Attitudes to clinical supervision
- Systemic issues that impact equity

Masters and Doctoral supervision availability https://academics.aut.ac.nz/liesje.donkin

Associate Professor Elizabeth du Preez

Associate Professor – Psychology

Ph (09) 921 9999 ext. 7692 | Email: edupreez@aut.ac.nz



Methodology

- Qualitative research narrative
- Discourse and thematic analysis

Research Areas

- Gender and sexual identity studies
- LGBTIQ student wellbeing
- Family therapy
- Trauma
- Counselling Psychology
- Ethical decision-making models

Masters and Doctoral supervision availability https://academics.aut.ac.nz/elizabeth.dupreez

Associate Professor Sonja Goedeke

Associate Professor – Psychology

Ph (09) 921 9999 ext. 7186 | Email: sgoedeke@aut.ac.nz



Methodology

- Qualitative
- Thematic and discourse analysis

Research Areas

- Fertility, infertility
- Assisted reproductive technologies and their psychosocial implications
- Donor conception
- Women's health issues
- **Parenting**

Masters and Doctoral supervision availability https://academics.aut.ac.nz/sonja.goedeke

Dr Stef Gomes-Ng

Senior Lecturer – Psychology* Email: stef.gomes-ng@aut.ac.nz



Methodology

- Quantitative
- Lab-based behavioural experiments

Research Areas

- Experimental analyses of behaviour (human and animal)
- Multiple cue use in decision making
- Behavioural approaches to attention and memory
- Mechanisms of choice and self-control

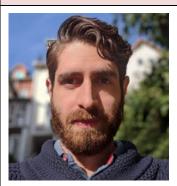
Honours and Masters supervision availability https://academics.aut.ac.nz/stef.gomes.ng

* Stef's primary appointment is with the School of Social Sciences & Humanities in the Faculty of Culture and Society

Dr Dion Henare

Senior Lecturer - Psychology

Ph (09) 921 9999 ext. 30256 | Email: dion.henare@aut.ac.nz



Methodology

- Quantitative
- Lab-based experiments
- EEG

Research Areas

- Attention and distraction.
- Working/short-term memory
- Neural measures of cognition

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/dion.henare

Dr Amy Kercher

Senior Lecturer – Clinical Sciences

Ph (09) 921 9999 extn 5186 | Email: amy.kercher@aut.ac.nz



Methodology

- Quantitative
- Longitudinal
- Treatment outcomes

Research Areas

- Clinical psychology
- Developmental psychopathology
- Early childhood and parenting
- Parental anxiety
- Anxiety disorders
- Cognitive Behavioural Therapy

Can supervise Honours and Masters https://academics.aut.ac.nz/amy.kercher

Professor Chris Krägeloh

Professor - Psychology

Ph (09) 921 9999 ext. 7103 | Email: ckragelo@aut.ac.nz



Methodology

Quantitative

Research Areas

- Outcomes research
- Psychometrics
- Robopsychology
- Mindfulness: Applications and theory

Masters and Doctoral supervision availability https://academics.aut.ac.nz/chris.krageloh

Professor Jason Landon

Head of Department | Psychology and Neuroscience Member | AUT Gambling and Addictions Research Centre Ph (09) 921 9999 ext. 7894 | Email: <u>ilandon@aut.ac.nz</u>



Methodology

- Quantitative
- Single-subject designs
- Evaluation
- Qualitative

Research Areas

- Gambling and problem gambling
- Experimental analyses of behaviour
- Health psychology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jason.landon

Dr Erik Landhuis

Senior Lecturer*

Ph (09) 921 9999 ext. 6645 | Email: erik.landhuis@aut.ac.nz



Methodology

- Quantitative
- Longitudinal

Research Areas

- Children and media
- Experimental psychology
- Cognitive psychology
- Cognitive biases and irrational beliefs

Masters and Doctoral supervision availability https://academics.aut.ac.nz/erik.landhuis

* Erik's primary appointment is with the School of Social Sciences & Humanities in the Faculty of Culture and Society

Dr Mia McLean

Senior Lecturer

Ph (09) 921 9999 | Email: mia.mclean@aut.ac.nz



Methodology

Quantitative

Research Areas

- Developmental Neuroscience
- Physiological stress
- Child Anxiety
- Preterm birth
- Prenatal stress
- Parenting

Honours, Masters and Doctoral supervision availability
Mia Mclean Profile | Auckland University of Technology (aut.ac.nz)

Associate Professor Mangor Pedersen

Associate Professor - Psychology

Ph (09) 921 9999 | Email: mangor.pedersen@aut.ac.nz



Methodology

Quantitative

Research Areas

- Applied Statistics
- Artificial Intelligence and Image Processing
- Artificial Intelligence and Image Processing Not Elsewhere Classified
- Neurology and Neuromuscular Diseases
- Neurocognitive Patterns and Neural Networks

Masters and Doctoral supervision availability https://academics.aut.ac.nz/mangor.pedersen

Associate Professor James Phillips

Associate Professor – Psychology

Member | AUT Gambling and Addictions Research Centre Ph (09) 921 9999 ext. 6252 | Email: jphillip@aut.ac.nz



Methodology

- Quantitative
- Survey
- Kinematic analysis

Research Areas

- Gambling
- Alcohol
- Technology use (internet, mobile phone)
- Behaviour Change Support Systems

Masters and Doctoral supervision availability https://academics.aut.ac.nz/james.phillips

Hilda Port

Senior Lecturer - Psychology Email: hilda.port@aut.ac.nz



Methodology

- Quantitative
- Qualitative descriptive

Research Areas

- Kava: A longitudinal study into kava consumption and emerging patterns of kava usage with subsequent effects on Pacific families living in South Auckland
- Kava Survey Questionnaire: An exploratory study into the practices surrounding the use of kava, and identification of problematic behaviours as defined by the Diagnostic and Statistical Manual of Mental Disorders 5th Edition (DSM 5)
- How Do Evolving Kava Related Practices Impact the Role of Tongan Women Living in Aotearoa?

Honours and Masters supervision availability https://academics.aut.ac.nz/hilda.port

Associate Professor Simone Rodda

Associate Professor

Email: simone.rodda@aut.ac.nz



Methodology

- Qualitative analysis including content analysis and reflexive thematic analysis using interview or secondary data (e.g., social media)
- Quantitative analysis including experimental designs and clinical trials
 Technology based data collection and intervention

Research Areas

- Methods to improve engagement and adherence to internet delivered and brief interventions
- Behavioural addictions including gambling, gaming, and pornography
- Brief interventions for problematic coffee or sugar consumption
- The lived experience of reaching out for help and self-help

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/simone.rodda

Dr Rhoda Scherman

Senior Lecturer

Ph (09) 921 9999 ext. 7228 | Email: rscherma@aut.ac.nz



Methodology

- Mixed methods (qualitative and quantitative)
- Visual Methods (photo-elicitation and PhotoVoice)

Research Areas

- Issues and debates around commercial global surrogacy
- Same-sex adoptive parenting
- Experiences of growing up with same-sex parents
- Indigenous child placement practices
- Repatriation distress of international students returning home after studying abroad
- Abuse and maltreatment in adoption and foster care
- Adjustment of adult adoptees
- Openness in adoption practices
- Development outcomes for adopted persons
- Ethnic and bicultural identity development in adoption
- Student attitudes toward collaborative assessments
- Sports outcomes and violence against women

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/rhoda.scherman

Associate Professor Daniel Shepherd

Associate Professor Psychology

Ph (09) 921 9999 ext. 7238 | Email: dashephe@aut.ac.nz



Methodology

Quantitative

Research Areas

- Psychometric measurement
- Psychophysics
- Cognitive neuroscience

Masters and Doctoral supervision availability https://academics.aut.ac.nz/daniel.shepherd

Professor Richard Siegert

Professor of Psychology and Rehabilitation Acting Head of Department

Ph (09) 921 9999 ext. 7885 | Email: <u>rsiegert@aut.ac.nz</u>



Methodology

- Factor analysis
- Regression
- Rasch analysis
- Structural equation modelling

Research Areas

- Psychometrics
- Goal setting
- Neurological rehabilitation
- Palliative care

Masters and Doctoral supervision availability https://academics.aut.ac.nz/richard.siegert

Professor Alice Theadom

Director – <u>Traumatic Brain Injury (TBI) Network</u>

Professor of Psychology and Brain Health

Ph (09) 921 9999 ext. 7805 | Email: atheadom@aut.ac.nz



Methodology

• Quantitative and qualitative methods

Research Areas

- Traumatic brain injury
- Concussion
- Factors predicting recovery from injury
- Psychological interventions in rehabilitation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/alice.theadom

Dr Mark Thorpe

Senior lecturer

Ph (09) 921 9999 ext. 7786 | Email: mthorpe@aut.ac.nz



Methodology

Qualitative

Research Areas

- The therapeutic relationship
- Migration and psychotherapy
- Divorce and stepfamilies
- Personality disorders
- Organisational dynamics
- Mindfulness

Masters and Doctoral supervision availability https://academics.aut.ac.nz/mark.thorpe

Associate Professor Kirsten van Kessel

Associate Professor | Programme Leader Psychology Ph (09) 921 9999 ext. 7691 | Email: kvankess@aut.ac.nz



Methodology

- Quantitative
- Qualitative

Research Areas

- Psychological interventions for fatigue
- Cognitive Behaviour Therapy
- Technology-based interventions/eHealth/eTherapy

Masters and Doctoral supervision https://academics.aut.ac.nz/kirsten.vankessel

Dr Ying Wang

Senior Lecturer*

Ph (09) 921 9999 ext. 5012 | Email: <u>v.wang@aut.ac.nz</u>



Research Areas

- Social cognition
- Developmental Psychology
- Prosocial behaviour
- Paret Child interactions
- Social robotics

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/y.wang

Ying's primary appointment is with the School of Social Sciences & Humanities in the Faculty of Culture and Society

Dr Jay Wood

Senior Lecturer*

Ph (09) 921 9999 ext. 8506 | Email: jay.wood@aut.ac.nz



Research Areas

- Social psychology
- Social and personality psychology
- Cognition
- Psychology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jay.wood

*Jay's primary appointment is with the School of Social Sciences & Humanities in the Faculty of Culture and Society

Dr Wendy Wrapson

Senior Research Fellow

Ph (09) 921 9999 ext. 6136 | Email: www.apson@aut.ac.nz



Methodology

- Qualitative (grounded theory, content analysis, thematic analysis)
- Quantitative
- Mixed methods

Research Areas

- Health and wellbeing of older people
- Digital technology use by older people
- Informal and formal caregiving of older people
- Wellbeing in the workplace

Masters and Doctoral supervision availability https://academics.aut.ac.nz/wendy.wrapson

School of Public Health and Interdisciplinary Studies

Associate Professor Julie Trafford

Head of School - Public Health & Interdisciplinary Studies Senior Lecturer

Ph (09) 921 9999 ext. 8952 | Email: julie.trafford@aut.ac.nz



Methodology

- Qualitative
- Mixed methods
- Quantitative

Research Areas

- Higher education (science education, health education)
- Transdisciplinary studies
- Agency & capacity-capability building
- Healthy, sustainable futures
- Geography
- Environmental Science

Honours, Masters and Doctoral Supervision https://academics.aut.ac.nz/julie.trafford

Digital Health

Professor Lester Levy

Professor of Digital Health Leadership Email: lester.levy@aut.ac.nz



Methodology

- Qualitative methods
- Mixed methods
- Case study

Research areas

- Health leadership and governance
- Digital health disruption
- Perceptions of digital health
- The extent to which digital health is transformation or technology led
- The extent to which digital health liberates or limits patients
- Digital health as a facilitator of equity in health service delivery
- Governing digital health transformation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/lester.levy

Gambling and Addictions Research Centre | https://garc.aut.ac.nz/

Associate Professor Maria Bellringer

Head of Research

Director - Gambling & Addictions Research Centre
Co-Director AUT Public Health and Mental Health Research Institute
Ph (09) 921 9999 ext. 7232 | Email: mbellrin@aut.ac.nz



Methodology

- Quantitative
- Qualitative descriptive and thematic analyses
- Longitudinal studies
- Clinical trials
- Evaluations

Research Areas

Gambling and addictions

Masters and Doctoral supervision availability https://academics.aut.ac.nz/maria.bellringer

Interdisciplinary Studies

Dr Stephen Brown

Senior Lecturer – Human Anatomy & Physiology Ph (09) 921 9999 ext. 9168 | Email: stbrown@aut.ac.nz



Methodology

Quantitative

Research Areas

- Student experiences of compulsory papers in health sciences
- Attitudes and engagement of students with undergraduate courses
- Scholarships in learning and teaching at university

Masters and Doctoral supervision availability https://academics.aut.ac.nz/stephen.brown

Dr Catherine Crofts

Senior Lecturer – Pharmacology Ph (09) 921 9999 ext. 6030 | Email: <u>catherine.crofts@aut.ac.nz</u>



Methodology

• Quantitative, experimental

Research Areas

- Early diagnosis of metabolic disease
- Hyperinsulinemia: diagnosis and management
- Lifestyle management of diabetes and other non-communicable diseases
- Reducing pharmaceutical burden

Masters and Doctoral supervision availability https://academics.aut.ac.nz/catherine.crofts

Dr Kay Hammond

Senior Lecturer – Health Sciences
Ph (09) 921 9999 ext. 7845 | Email: kay.hammond@aut.ac.nz



Methodology

- Prefer mixed method or qualitative if numbers do not permit meaningful statistics.
- Thematic analysis, content analysis, grounded theory, critical discourse analysis, various sorts of qualitative data coding.
- Questionnaires and interviews.

Research Areas

- People's experiences of health or educational settings
- Teaching and learning in higher education
- Student perceptions of their university experience
- Reflective practice

Masters' supervision availability

https://academics.aut.ac.nz/kay.hammond

Dr Amira Hassouna

Senior Lecturer – Health Studies

Ph (09) 921 9999 ext. 7314 | Email: <u>amira.hassouna@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Use of novel lines of treatment like nutraceuticals and regenerative medicine, for treatment of diseases.
- Investigation of effects of different lines of treatment on signaling pathways of diseases.
- Medical Biochemistry and Molecular Biology research
- Stem cell research.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/amira.hassouna

Deborah Hay

Senior Lecturer – Health Studies

Ph (09) 921 9999 ext. 7117 | Email: <u>kath.hoare@aut.ac.nz</u>



Methodology

Qualitative

Research Areas

- Student engagement
- Learning and teaching
- Public art

Honours and Masters supervision availability https://academics.aut.ac.nz/deborah.hay

Dr Kath Hoare

Senior Lecturer – Health Studies
Ph (09) 921 9999 ext. 7117 | Email: kath.hoare@aut.ac.nz



Methodology

- Quantitative descriptive design
- Mixed Methods (combination of Qualitative and Quantitative methods)
- Qualitative Methods various theories and approaches

Research Areas

- Health Education and Interprofessional Education
- Tertiary Education scholarship of learning and teaching and student support
- Primary Health Care and Health Promotion including public health.
- Nursing education, integrative approaches to health and well-being

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kath.hoare

Dr Kelvin Lau

Senior Lecturer – Health Sciences

Ph (09) 921 9999 | Email: kelvin.lau@aut.ac.nz



Methodology

- Mixed methods, experimental
- Molecular biology
- Quantitative including bioinformatics and statistical analysis of large datasets.
- Questionnaires and interviews

Research Areas

- Microbial Ecology and biotechnology
- Human-microbe's interactions and technology
- Wellbeing in learning and teaching
- Community health
- Use of microbial communities as indicators of environmental and human health

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kelvin.lau

Dr Charon Lessing

Senior Lecturer – Pharmacology & Health Economics Ph (09) 921 9999 ext. 7870 | Email: charon.lessing@aut.ac.nz



Methodology

Quantitative, Mixed

Research Areas

- Health policy (pharmaceuticals).
- Pharmacoeconomics
- HIV
- Working with health datasets.

Honours and Masters supervision availability https://academics.aut.ac.nz/charon.lessing

Dr Jane Morgan

Senior Lecturer – Methods of Research and Enquiry Ph (09) 921 9999 ext. 7023 | Email: jane.morgan@aut.ac.nz



Methodology

- Qualitative
- Hermeneutic phenomenology

Research Areas

- Interprofessional education
- Interprofessional collaborative health care practice
- Graduate capability

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jane.morgan

Nicola Power

Senior Lecturer

Ph (90) 921 9999 ext. 7319 | Email: Nicola.power@aut.ac.nz



Methodology

- Qualitative research methods including:
- Hermeneutic Phenomenology
- Discourse analysis
- Qualitative descriptive

Research areas

- Human touch
- Childbirth and women's health
- Psychosocial wellbeing
- · Physical activity in the elderly

Honours and Masters supervision availability https://academics.aut.ac.nz/nicola.power

Dr Meenal Rai

Head of Department (Interim)—Interdisciplinary Studies Senior Lecturer

Member | Migrant and Refugee research Centre

Ph (90) 921 9999 ext. 7563 | Email: meenal.rai@aut.ac.nz



Methodology

- Qualitative inquiry and analysis applying social constructionism, interpretive description, phenomenology
- Qualitative methodology including auto-ethnography, action research, projective techniques, online focus groups

Research areas

- Diet, health, and social sciences
- Migrant health
- Sustainable consumption
- Behavioural and socio-cultural aspects of diet and health
- Education practices and contemporary transitions

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/meenal.rai

Dr Caroline Stretton

Senior Lecturer

Ph (09) 921 9999 ext. 7989 | Email: caroline.stretton@aut.ac.nz



Methodology

- Mixed methods
- Interpretive descriptive
- Realist research methods
- Intervention development

Research Areas

- Rehabilitation
- Neurological physiotherapy
- Physical activity
- Real-world walking
- Health coaching
- Behaviour change

Masters and Doctoral supervision availability https://academics.aut.ac.nz/caroline.stretton

Dr Christian Thoma

Head of Postgraduate Studies Senior Lecturer – Biosciences

Member | AUT Gambling and Addictions Research Centre Ph (09) 921 9999 ext. 7989 | Email: christian.thoma@aut.ac.nz



Methodology

- Quantitative/experimental and cross-sectional
- Systematic and scoping reviews

Research Areas

- Clinical exercise physiology/prescription for cardiometabolic disease e.g. type 2 diabetes
- Nutrition therapy for cardiometabolic diseases
- Nutrition for cognitive health and function
- Yoga nidra/non-sleep deep rest
- Breathing techniques and technologies
- Novel technologies for tracking the autonomic nervous system and circadian rhythms

Masters and Doctoral supervision availability https://academics.aut.ac.nz/christian.thoma

Public Health

Associate Professor Sari Andajani

Associate Professor – Public health

Ph (09) 921 9999 ext. 7738 | Email: sandajan@aut.ac.nz



Methodology

- Mixed methods
 - Quantitative
- Qualitative
- Participatory action research

Research Areas

- Gender based violence
- Youth sexuality and reproductive health
- Health and human rights
- Maternal and child health
- International development
- Indonesia

Masters and Doctoral supervision availability https://academics.aut.ac.nz/sari.andajani

Dr Radilaite Cammock

Deputy Associate Dean – Pacific Advancement

Senior Lecturer - Public Health

Member of AUT Pacific Health Research Centre
Ph (09) 921 9999 ext. 77007 | Email: radilaite.cammock@aut.ac.nz



Methodology

- Pacific Research Design
- Talanoa
- Mixed methods Quantitative and Qualitative
- Action research (participatory)

Research Areas

- Pacific health
- Pacific research paradigms and methodology
- Pacific sexual and reproductive health
- Non-communicable diseases
- Socio-cultural influences in health
- Pacific youth empowerment in health
- iTaukei (Indigenous Fijian) women's health and wellbeing

Masters and Doctoral supervision availability https://academics.aut.ac.nz/radilaite.cammock

Associate Professor Nadia Charania

Senior Lecturer - Public Health
Co-Director, Migrant and Refugee Health Research Centre
Member AUT Child and Youth Health Research Centre
Ph (09) 921 9999 ext. 5430 | Email: ncharani@aut.ac.nz



Methodology

- Community-based participatory research
- Qualitative
- Mixed methods

Research Areas

- Migrant and refugee health
- Maternal and child health
- Vaccine-preventable diseases
- Immunisations
- Public health
- Global health
- Public health emergency preparedness
- Infectious disease prevention and control
- Health service, policy and practice
- Health inequities
- Community participation

Masters and Doctoral supervision availability
https://academics.aut.ac.nz/nadia.charania
Nadia is unavailable for any further supervisions until further notice

Dr Cath Conn

Director, AUT Child and Youth Health Research Centre Member | Migrant and Refugee Health Research Centre Ph (09) 921 9999 ext. 7404 | Email: cconn@aut.ac.nz



Methodology

- Qualitative
- Participatory
- Applied and action research
- Policy research
- Narrative

Research Areas

- Public health policy & management
- HIV / AIDS prevention
- Youth sexual health
- Gender empowerment
- International development
- NGOs

Masters and Doctoral supervision availability https://academics.aut.ac.nz/cath.conn

Dr Ayah Elsayed

Lecturer

Ph (09) 921 9999 ext. 6796 | Email: ayah.elsayed@aut.ac.nz



Research Areas

- Cardiorespiratory medicine and haematology
- Medical and Health sciences
- Medical physiology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/ayah.elsayed

Associate Professor Ailsa Holloway

Associate Professor | Postgraduate Programme Leader Public Health, Interdisciplinary, DRM

Ph (09) 921 9999 ext. 6796 | Email: ailsa.holloway@aut.ac.nz



Research Areas

- Urban risk
- hydro-meteorological risks
- humanitarian emergencies
- transboundary risks
- post-disaster studies
- cross-disciplinary (transdisciplinary) disaster risk research.

Masters and Doctoral supervision availability

https://academics.aut.ac.nz/ailsa.holloway

Ailsa will be unavailable for any further supervisions until end 2024

Dr Margaret Hinepo Williams

Senior Lecturer

Ph (09) 921 9999 ext. 6837 | Email: margaret.williams@aut.ac.nz



Methodology

- Mixed methods inquiry
- Kaupapa Māori Health Methodologies
- Randomised Trials

Research Areas

- Oranga (health and well-being)
- Equity
- Indigenous peoples
- Māori
- Type-2 diabetes mellitus
- Neurogenetic disorders
- Lifestyle interventions

Masters and Doctoral supervision availability https://academics.aut.ac.nz/margaret.williams

Disaster Risk Management and Development

Dr Kat Hore

Lecturer

Ph (09) 921 9999 ext. 31310 | Email: kat.hore@aut.ac.nz



Methodology

- Participatory research
- Participatory methods
- Mixed methods

Research Areas

- Disaster risk reduction and resilience building
- Climate change adaptation
- Participatory approaches to disaster risk management and development
- Participation theory
- Children's participation in development
- Wellbeing

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kat.hore

Associate Professor Loic Le De

Associate Professor

Member of the AUT Pacific Health Research Centre Ph (09) 921 9999 ext. 7499 | Email: loic.le.de@aut.ac.nz



Methodology

- Mixed methods (qualitative and quantitative)
- Community-based participatory research
- Policy research

Research Areas

- Disaster risk reduction and disaster management
- Community-based disaster risk reduction
- Migration and remittances
- Participatory tools for disaster risk reduction
- Post-disaster recovery
- Disaster risk reduction and climate change adaption policies
- Marginalized and disaster
- Pacific Region

Masters and Doctoral supervision availability https://academics.aut.ac.nz/loic.le.de

Dr Aditi Sharan

Lecturer, Disaster Risk Management and Development Ph (09) 921 9999 ext 33135 | Email: aditi.sharan@aut.ac.nz



Methodology

- Qualitative research
- Participatory research
- Mixed methods (qualitative and quantitative)

Research Areas

- Disaster risk reduction (DRR) and management
- Gender; gender beyond binaries
- Post-colonialism
- Social inclusion in DRR and climate change adaptation
- Disaster risk governance
- Risk informed development planning
- Participatory tools in DRR and development planning

Masters and Doctoral supervision availability

Health Law and Healthcare Ethics

Professor Kate Diesfeld

Professor – Health Law

Ph (09) 921 9999 ext. 7837 | Email: kdiesfel@aut.ac.nz



Methodology

- Critical legal analysis
- Qualitative methodologies

Research Areas

- Medical law
- Mental health law
- Disability and intellectual disability law
- Legal and ethical aspects of medical decision-making
- International comparative medical law
- Human rights
- Professional regulation and discipline
- Tribunal processes and decision-making
- Interdisciplinary health, disability and law

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kate.diesfeld

Amanda B. Lees

Co-Head of Postgraduate Study

Senior Lecturer

Programme Leader - Healthcare Ethics

Ph (09) 921 9999 ext. 7647 | Email: <u>amandab.lees@aut.ac.nz</u>



Methodology

- Qualitative
- Case Study

Research Areas

- Ethics education
- Values-based decision-making
- Ethical analysis of professional practice
- Scholarship of Technology Enhanced Learning (SoTEL)

Honours and Masters supervision availability https://academics.aut.ac.nz/amandab.lees

Pacific Health Research Centre | https://phrc.aut.ac.nz/our-people

Professor El-Shadan (Dan)Tautolo

Director – AUT Pacific Health Research Centre

Associate Dean - Pacific

Ph (09) 921 9999 ext. 7527 | Email: dtautolo@aut.ac.nz



Methodology

Mixed methods – quantitative and qualitative

Research Areas

- Public health and epidemiology with specific focus on Pacific health related issues
- Men's health
- Fatherhood and fathering behaviours

Masters and Doctoral supervision availability https://academics.aut.ac.nz/dan.tautolo

Dr Falegau Melanie Lilomaiava Silulu

Research Fellow - Centre for Pacific Health and Development Research Ph (09) 921 9001 ext. 27661 | Email: falegau.melanie.lilomaiava.silulu@aut.ac.nz



Methodology

- Pacific Research Design
- Talanoa
- Qualitative
- Quantitative
- Umbrella reviews

Research Areas

- Pacific Health
- Older Pacific people's health and wellness
- Age-friendly communities
- Pacific babies' health and wellbeing

Masters' supervision availability

https://academics.aut.ac.nz/falegau.melanie.lilomaiava.silulu

Patricia M. Tupou

Lecturer

Ph (09) 921 9999 | Email: <u>trish.tupou@aut.ac.nz</u>



Methodology

- Pacific research methodologies
- Qualitative methods
- Mixed methods (combining quantitative and qualitative methods)

Research Areas

- Tongan history
- Climate justice
- Tongan queer history
- Indigenous politics

Honours and Masters supervision availability

Trish Tupou | Mōku | About | Auckland University of Technology

Dr Alvina Pauuvale

Lecturer

Ph (09) 921 9001 | Email: alvina.pauuvale@aut.ac.nz



Methodology

- Quantitative methods
- Qualitative methods
- Mixed methods (combining quantitative and qualitative methods)

Research Areas

- Pacific health
- Adolescent health
- Noncommunicable diseases among Pacific people
- Determinants of health among Pacific people
- Pacific health literacy
- Indigenous Pacific knowledge

Honours and Masters supervision availability https://academics.aut.ac.nz/alvina.pauuvale

Taupua Waiora Research Centre | https://twmrc.aut.ac.nz/

Associate Professor Isaac Warbrick

Director of Taupua Waiora Research Centre
Ph (09) 921 9999 ext. 7591 | Email: isaac.warbrick@aut.ac.nz



Research Areas

- Exercise physiology
- Exercise and health.
- Māori men's health
- Exercise and epigenetics.
- Traditional health models
- Augmented reality and
- Cultural reconnection

Masters and Doctoral supervision availability https://academics.aut.ac.nz/isaac.warbrick

Dr Te Wai Barbarich-Unasa

Lecture

Ph (09) 921 9999 ext. 26376 | Email: tewai.barbarich-unasa@aut.ac.nz



Methodology

- Kaupapa Māori
- Māori centred
- Qualitative

Research Areas

- Rangatahi (Young people)
- Hauora Māori
- Health service engagement
- Violence prevention

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/tewai.barbarich.unasa

Associate Professor Alayne Hall

Associate Head of School, Māori Advancement
Programme Leader – Violence and Trauma Studies
Research Fellow/Lecturer – Taupua Waiora Centre for Māori Health Research
Ph (09) 921 9999 ext. 7115 | Email: alayne.hall@aut.ac.nz



Methodology

- Qualitative
- Kaupapa Māori Māori Centred
- Purakau/Narrative
- Case Study

Research Areas

- Māori/Indigenous health
- Indigenous children
- Violence in families
- Historical trauma/Trauma-informed health care
- Psychotherapy and counselling

Masters and Doctoral supervision availability https://academics.aut.ac.nz/alayne.hall

Associate Professor Dianne Wepa

Associate Professor Te Ara Hauora Email: Dianne.wepa@aut.ac.nz



Research Areas

- Nursing
- Pediatrics and reproductive medicine
- Public health and health services
- Māori health
- Mental health
- Psychology
- Cultural studies

Masters and Doctoral supervision availability https://academics.aut.ac.nz/dianne.wepa

Dianne is unable to take on any further supervision currently.

Professor Denise Wilson

Associate Dean Māori- Advancement (Postgraduate)
Ph (09) 921 9999 ext. 7392 | Email: dlwilson@aut.ac.nz



Methodology

- Qualitative (primarily) and quantitative
- Māori-centred Kaupapa Māori
- Grounded theory
- Case study

Research Areas

- Māori/indigenous health
- Cultural issues
- Family violence
- Health workforce development

Masters and Doctoral supervision availability https://academics.aut.ac.nz/denise.wilson

School of Science

Environmental Science

Professor Hannah Buckley

Head of School | Science Ph (09) 921 999 ext. 5041 | Email: hannah.buckley@aut.ac.nz



Research Areas

- Community ecology and ecological biogeography:
- Spatial and temporal patterns in species interactions (food webs), species richness, composition, functional traits, and phylogenetic diversity
- Predicting ecological dynamics using spatial patterns in biological populations and communities
- Lichens, ferns, vascular plants, invertebrates, microorganisms
- Ecology of New Zealand sand dune ecosystems:
- Ecology and population genetics of pingao (Ficinia spiralis, Cyperaceae)
- The use of drone imagery in sand dune ecology and conservation
- Enhancing native biodiversity in agroecological landscapes

Masters and Doctoral supervision availability https://academics.aut.ac.nz/hannah.buckley

Dr Anshuka

Lecturer | Environmental Science Email: ansh.anshuka@aut.ac.nz



Methodology

- Machine learning
- Agent-based modelling
- Mixed method (Likert scale, Interviews)

Research Areas

- Hydrology (Predictive modelling)
- Disaster risk studies
- Extreme weather systems research
- Cyclone and Climate dynamics

Honours and Masters Supervision availability https://academics.aut.ac.nz/ansh.anshuka/about

Dr Craig Bishop

Lecturer

Ph (09) 921 9999 ext. 5084 | Email: craig.bishop@aut.ac.nz



Methodology

- Quantitative measurement of forest, wetland & duneland ecosystems
- Semi-quantitative vegetation measurement
- Vegetation condition and assessment frameworks
- Vegetation classification and mapping
- Vegetation sampling and experimental design

Research Areas

- Long-term, landscape-scale monitoring of terrestrial ecosystems
- Urban ecosystems and ecology
- Measuring restoration success
- Impact of plant & animal pests on indigenous ecosystems
- Provision of ecosystem services from restored wetland ecosystems

Can supervise Honours and Masters

https://academics.aut.ac.nz/craig.bishop

Associate Professor Kathrin Bolstad

Senior Lecturer

Deputy Head of Department | Environmental Science Ph (09) 921 9999 ext. 6590 | Email: kbolstad@aut.ac.nz



Methodology

Quantitative

Research Areas

- Invertebrate taxonomy
- Cephalopods
- Crustaceans
- Spiders
- Marine invertebrate zoology (primarily cephalopods)

Masters and Doctoral supervision availability

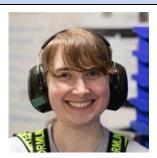
https://academics.aut.ac.nz/kathrin.bolstad

 $\label{lem:Kathrin} \textbf{Kathrin is unable to take on any further supervisions currently}.$

Dr Heather Braid

Senior Lecturer

Ph (09) 921 9999 ext. 28567 | Email: <u>heather.braid@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Invertebrate systematics
- Genetics
- Ecology
- Cephalopods

Masters and Doctoral supervision availability https://academics.aut.ac.nz/heather.braid

Dr Dan Breen

Senior lecturer | Programme Leader – Environmental Science and Marine Biology Ph (09) 921 9999 ext. 5731 | Email: dbreen@aut.ac.nz



Research Areas

- Conservation and ecology
- Geographic Information Systems
- Marine ecology
- Marine protected areas
- Marine spatial planning
- Spatial and statistical modeling

Masters and Doctoral supervision availability https://academics.aut.ac.nz/daniel.breen

Professor Bradley Case

Head of Postgraduate Studies
Senior Lecturer | Programme Leader – Geospatial Science
Ph (09) 921 9999 ext. 5231 | Email: bradley.case@aut.ac.nz



Research Areas

- Geographical Information Systems (GIS)
- Remote Sensing
- Python Programming for GIS
- Plant Ecology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/bradley.case

Graham Hinchliffe

Senior Research Officer | Environmental Science Ph (09) 921 9999 ext. 8771 | Email: graham.hinchliffe@aut.ac.nz



Research Areas

- UAV Remote Sensing
- Visualisation and analysis of multispectral point clouds
- Exploring overlaps between GIS, Photogrammetry and Virtual Reality
- Gamification of GIS data for community engagement (e.g., Disaster Risk Reduction)

Honours and Masters supervision availability https://academics.aut.ac.nz/graham.hinchliffe

Dr Rebecca Jarvis

Senior Lecturer | Environmental Science Ph (09) 921 9999 | Email: rebecca.jarvis@aut.ac.nz



Research Areas

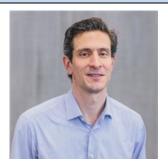
- Conservation science
- Human dimensions of conservation
- Social Science
- Sustainable futures
- Environmental and social justice
- Conservation policy and management
- Conservation and development
- Political ecology
- Knowledge exchange
- Interdisciplinary and transdisciplinary research

Masters and doctoral supervision availability https://academics.aut.ac.nz/rebecca.jarvis

Professor Sebastian Leuzinger

Environmental Science

Ph (09) 921 9999 ext. 6944 | Email: sleuzing@aut.ac.nz



Methodology

Quantitative

Research Areas

- Plant water and carbon relations across various scales.
- Plant growth and phenology.
- The effect of global environmental change on plants
- Meta-analyses of global change experiments
- · General terrestrial and marine ecology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/sebastian.leuzinger

Dr Arola Moreras Marti

Earth Science Lecturer

Email: arola.moreras.marti@aut.ac.nz



Methodology

- Stable isotope analysis of carbon and sulfur
- Organic biomarker studies
- Microbial community analysis

Research Areas

- Biogeochemical cycling of sulfur and carbon: focusing on the cycling processes
 of sulfur and carbon particularly in extreme environments such as geothermal
 sites, and deep-sea methane seeps by mixing microbiology and geochemistry
 studies.
- Planetary habitability: exploring the conditions for planetary habitability through the study of geobiochemical cycles in extreme environments.
- Astrobiology: researching the potential for life on other planets through the study of sulfur isotopes and their ability to distinguish between biotic and abiotic processes

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/arola.moreras.marti

Associate Professor John Perrott

Associate Head of School, Māori Advancement Senior Lecturer – Conservation Ecology and Mātauranga Māori Programme Leader | Applied Conservation

Ph (09) 921 9999 ext. 8654 | Email: jperrott@aut.ac.nz



Methodology

Quantitative and Qualitative

Research Areas

- Mātauranga Māori (Kaitiakitanga)
- Adaptive management of taonga species
- Parasite ecology
- Avian and reptile ecology
- Disease screening of kiwi nocturnal houses for fungal pathogens

Masters and Doctoral supervision availability https://academics.aut.ac.nz/john.perrott

Dr Marta Ribo Gene

Senior Lecturer | Geoscience, Marine Geoscience and Environmental Science Ph (09) 921 9999 ext. 27968 | Email: marta.ribo.gene@aut.ac.nz



Methodology

- Marine sediment samples
- Geophysical data (bathymetry, seismic profiles)
- Hydrographic data (temp, salinity profiles)
- Hydrodynamic date (ocean current measurements)
- Geographical information systems (GIS)

Research Areas

- Marine geology
- Seafloor geomorphology (depositional and erosional features)
- Marine sedimentary records and structure evolution
- Sediment transport and distribution from coast to deep ocean
- Oceanography and sediment dynamics
- Human activity impacts on seafloor and marine environment

Honours, Masters and Doctoral supervision availability

Marta Ribo Gene | Mōku | About | Auckland University of Technology

Dr Rebecca Rogers

Lecturer | Environmental Science and GIS
Ph (09) 921 9999 ext. 32504 | Email: rebecca.rogers@aut.ac.nz



Research Areas

- Spatial and movement ecology
- Techno ecology
- UAV Remote Sensing

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/rebecca.rogers

Dr Amandine Sabadel

Senior Lecturer – Science of the Environment and Ecosystem Dynamics (SEED) lab Ph 021311796 | Email: amandine.sabadel@aut.ac.nz



Methodology

- Stable isotopes
- eDNA
- Analytical chemistry

Research Areas – across any marine, freshwater and terrestrial systems

- Biogeochemistry
- Parasitology
- Animal diet and movements
- Taonga and invasive species management
- Food webs

Honours and Masters and Doctoral supervision availability https://academics.aut.ac.nz/amandine.sabadel

Amandine is unable to take on any further supervisions currently.

Associate Professor Armagan Sabetian

Associate Professor - Marine Science Programme Leader for BSc (standard)

Ph (09) 921 9999 ext. 8004 | Email: armagan.sabetian@aut.ac.nz



Methodology

Quantitative and qualitative

Research Areas

- Pacific Islands/tropical fisheries
- Fish population dynamics.
- Fish otolith chemistry.
- Fish reproduction
- Aquaculture
- Ecosystems functions and habitual utilization
- Conservation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/armagan.sabetian

Associate Professor Kay C. Vopel

Head of Department | Environmental Science Senior Lecturer

Ph (09) 921 9999 ext. 6461 | Email: kay.vopel@aut.ac.nz



Methodology

Quantitative

Research Areas

- Aquatic ecology and biogeochemistry
- Animal-sediment interactions
- Sediment-water solute exchange processes
- Underwater experimentation with electrochemical microsensors
- Seafloor and water column monitoring

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kay.vopel

Professor Lindsey White

Professor of Phycology and Fisheries

Ph (09) 921 9999 ext. 8065 | Email: lindsey.white@aut.ac.nz



Methodology

Quantitative

Research Areas

- Seaweed utilisation by humans and marine herbivores
- Human seaweed utilisation, e.g., seaweed farming
- Plant / herbivore interactions relating to diet choice and digestive physiology, particularly of marine herbivorous fishes.
- Bioactive compounds in seaweeds and their impacts in human health
- Variation in the chemical composition of seaweeds and impacts on human and herbivore diet choices and health

Masters and Doctoral supervision availability https://academics.aut.ac.nz/lindsey.white

Biomedicine and Medical Diagnostics

Wee Leong (Joe) Chang

Senior Lecturer | Head of Undergraduate Programmes Ph (09) 921 9999 ext. 8213 | Email: wchang@aut.ac.nz



Methodology

- Molecular Genetics
- LCMS/GCMS/HPLC
- Immunochemistry/Chemistry
- Electrophoresis
- ELISA/RIA
- Health informatics SQL/HL7 coding
- Bioinformatics

Research Areas

Scientific

- Molecular Diagnosis in metabolic disease
- Protein markers for cancer management
- Pharmacogenetics
- Fundamental research in evolution and clinical aspects of microorganisms
- Application of LCMS/HPLC in drug/unknown substances
- Detection, evaluation, and prevention of the toxic effects of substances

Health management

- Organisation culture in public health sector
- Risk management and strategy in public health sector
- Quality assurance and compliance in public health sector

Health Information technology

- Laboratory workflow analytics using IT
- Standard analysis in intra-operability for health information technology
- SQL/Linux coding for laboratory IT

Honours and Masters supervision availability https://academics.aut.ac.nz/wee.leon.chang

Joe is unable to take on any further supervisions currently.

Professor Colleen Higgins

Head of Department | Biomedicine and Medical Diagnostics Programme Leader | Biomedical Science Ph (09) 921 9999 ext. 8066 | Email: <u>colleen.higgins@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Molecular genetics
- Genomics & transcriptomics
- Bioinformatics
- Plant/virus molecular interactions.
- Transgenic virus resistance
- Genetic variability and molecular evolution
- Plant virus genetic variability and molecular evolution.
- Plant virus ecology.
- Application of molecular tools to interesting biological questions

Masters and Doctoral supervision availability https://academics.aut.ac.nz/colleen.higgins

Dr Jemila Caplan Kester

Senior Lecturer – Biomedicine and Medical Diagnostics
Ph (09) 921 9999 ext. 27370 | Email: jemila.kester@aut.ac.nz



Methodology

- Culture of microorganisms and human tissue
- Cellular and molecular biology techniques
- Systems-level analysis (e.g., 'omics)
- Device design for oxygen control

Research Areas

- Microbiome and prebiotics
- Host-pathogen interactions.
- Immunity and infectious diseases
- Biomedical engineering
- Systems biology

Honours, Masters, and Doctoral supervision availability https://academics.aut.ac.nz/jemila.kester

Associate Professor Yan Li

Associate Professor – Pharmacology | Programme Leader - Biomed Ph (09) 921 9999 ext. 7109 | Email: yan.li@aut.ac.nz



Methodology

Quantitative

Research Areas

- Drug transporter as therapeutic targets (anti-cancer, cardiovascular and antidiabetic drugs)
- Nanomedicine
- Novel drug delivery system to overcome multidrug resistance to chemotherapy.
- Novel drug delivery system to improve drug bioavailability.
- Develop novel anti-cancer compounds from nature products.
- Drug metabolism and pharmacokinetics

Masters and Doctoral supervision availability https://academics.aut.ac.nz/yan.li

Sharita Meharry

Senior Lecturer | Programme Leader – Medical Laboratory Science Ph (09) 921 9999 ext. 7185 | Email: sharita.meharry@aut.ac.nz



Methodology

Quantitative

Research Areas

Breast cancer

- Audit of grade 3 breast cancer in New Zealand women (in collaboration with New Zealand Breast Cancer Register)
- Breast cancer-related studies

Health management

- Organisation culture in public health sector
- Risk management and strategy in public health sector
- Quality assurance and compliance in public health sector

Honours and Masters supervision availability https://academics.aut.ac.nz/sharita.meharry

Jill Meyer

MD(Spec) Senior Lecturer

Ph (09) 921 9999 ext. 8213 | Email: <u>jill.meyer@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Haematology/pathology
- Medical
- Functional medicine diagnostics
- Clinical nutrition

Masters supervision availability

https://academics.aut.ac.nz/jill.meyer

Professor Ali Seyfoddin

Deputy Head of School - Science | Senior Lecturer in Biomedical Sciences Ph (09) 921 9999 ext. 6033 | Email: ali.seyfoddin@aut.ac.nz



Research Areas

- Novel drug delivery devices and formulation
- Medicinal cannabis cultivation, extraction, processing and formulation
- Natural products design and formulation

Masters and Doctoral supervision availability https://academics.aut.ac.nz/ali.seyfoddin

Dr Gardette Raquel Valmonte-Cortes

Senior Lecturer

Ph (09) 921 9999 ext. 6498 | Email: gardette.valmonte@aut.ac.nz



Research Areas

- Molecular mechanisms of immunity in plants,
- animals and humans
- Molecular plant-microbe interactions
- Plant stress responses
- Plant virus detection
- Calcium-dependent protein kinases and calcium signalling
- Allergic immune responses

Masters and Doctoral supervision

https://academics.aut.ac.nz/gardette.valmonte

Chemistry

Professor Nicola Brasch

Professor of Chemistry

Ph (09) 921 9999 ext. 9373 | Email: nbrasch@aut.ac.nz



Research Areas

- Chemistry and biochemistry of vitamin B₁₂
- Reaction kinetics and mechanism
- Developing photoactive HNO donors
- Reactive oxygen and nitrogen species

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nicola.brasch

Associate Professor Jack Chen

Senior Lecturer - Chemistry

Ph (09) 921 9999 ext. 8398 | Email: jack.chen@aut.ac.nz



Methodology

Quantitative

Research Areas

- Medicinal chemistry and drug delivery
- Green Catalysis and Sustainable Chemistry
- Organic Synthesis and Methodology Development
- Understanding reaction mechanisms and kinetics

Masters and Doctoral supervision availability https://academics.aut.ac.nz/jack.chen

Dr Emma Davison

Lecturer - Chemistry

Email: emma.davison@aut.ac.nz



Methodology

Quantitative

Research Areas

- Medicinal chemistry
- RNA/DNA drug discovery, development, and delivery
- Organic synthesis and methodology
- Bioactive molecules
- Research commercialization

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/emma.davison

Mark Duxbury

Lecturer

Ph (09) 921 9999 ext. 8742 | Email: mduxbury@aut.ac.nz



Methodology

Quantitative

Research Areas

- Biochemistry and molecular biology
- Pathogenesis related proteins in plants
- Enzymology of chitinases and lysozymes
- Phytophthora disease of Kauri

Honours and Masters

https://academics.aut.ac.nz/mark.duxbury

Associate Professor Marcus Jones

Associate Professor

Head of Department and Programme Leader | Chemistry Ph (09) 921 9999 ext. 5436 | Email: marcus.jones@aut.ac.nz



Research Areas

Photophysical processes that enable new functionality in hybrid-nanoscale materials, including:

- Multi-excitons in colloidal quantum dots.
- Exciton-plasmon coupling in semiconductor/metal hybrid nanosystems.
- Interfacial processes in quantum dot exciton relaxation dynamics.
- Interaction of nanoparticles with biologically important molecules for theranostic applications.
- Ensemble and single-particle time-resolved fluorescence spectroscopy.
- Synthesis and characterization of novel core/shell quantum dots and nanocrystals.
- Computational modelling of photo-induced dynamics in nanoscale systems.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/marcus.jones

Dr Taniela Lolohea

Lecturer - Chemistry

Ph (09) 921 9999 ext. 5007 | Email: <u>taniela.lolohea@aut.ac.nz</u>



Research Interests

- Atmospheric plasma jet deposition of novel and functional surface coatings
- Encapsulation and delivery systems
- Advanced surface coatings and nanotechnology
- Pacific indigenous science towards revolutionary materials

Masters and Doctoral supervision availability

Taniela Lolohea Profile | Auckland University of Technology (aut.ac.nz)

Adrian Owens

Senior Technician

Ph (09) 921 9999 ext. 6067 | Email: <u>adrian.owens@aut.ac.nz</u>



Research Areas

- Physical Chemistry
- Organic Chemistry

Honours and Masters supervision availability

Food Science and Microbiology

Professor Nazimah Hamid

Professor in Food Science

Ph (09) 921 9999 ext. 6453 | Email: nhamid@aut.ac.nz



Methodology

Quantitative

Research Areas

- Sensory science
- Consumer testing of foods
- Food product development

Masters and Doctoral supervision

https://academics.aut.ac.nz/nazimah.hamid

Dr Syrie Hermans

Senior Lecturer

Ph (09) 921 9999 ext. 29034 | Email: syrie.hermans@aut.ac.nz



Methodology

• Molecular microbiology ('omics techniques)

Research Areas

- Microbial ecology
- Soil microbiology
- Biological indicators of ecosystem health
- eDNA based characterizations of macro-communities.

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/syrie.hermans

Associate Professor Rothman Kam

Senior Lecturer – Food technology Head of Undergraduate - Students

Ph (09) 921 9999 ext. 7620 | Email: rothman.kam@aut.ac.nz



Methodology

Quantitative

Research Areas

- Food chemistry
- Food processing
- Food waste valorisation
- Food engineering

Masters and Doctoral supervision

https://academics.aut.ac.nz/rothman.kam

Professor Donnabella C. Lacap-Bugler

Head of Department – Food Science and Microbiology Professor

Programme Leader - Microbiology

Ph (09) 921 9999 ext. 8089 | Email: <u>dlacapbu@aut.ac.nz</u>



Methodology

Quantitative

Research Areas

- Soil microbiology
- Astrobiology
- Aerobiology
- Oral Microbiology
- Ecological and evolutionary dynamics of micro-organisms
- Metagenomics
- Microbial stress responses

Masters and Doctoral supervision

https://academics.aut.ac.nz/donnabella.lacapbugler

Dr Kevin Lee

Senior Lecturer | Bioinformatics and Environmental Microbiology Ph (09) 921 9999 ext. 8659 | Email: Kevin.Lee@aut.ac.nz



Methodology

- Quantitative
- Bioinformatics

Research Areas

Microbial Ecology

- Investigation of microbial communities in habitats such as desert soil, the atmosphere, and host-associated environments.
- Genomic and metagenomic studies of prokaryotes

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kevin.lee

Associate Professor Thao Le

Senior Lecturer | Food Science and Microbiology Ph (09) 921 9999 ext. 8741 | Email: thao.le@aut.ac.nz



Research Interests

- Chemical reactions in food
- Proteomics
- Bioactive peptides
- Application of LC-HRMS in peptide and protein analyses

Masters and Doctoral supervision availability

<u>Thao Le Profile | Auckland University of Technology (aut.ac.nz)</u>

Associate Professor Brent Seale

Associate Professor | Programme Leader – Food Safety Ph (09) 921 9999 ext. 8717 | Email: bseale@aut.ac.nz



Research Areas

- Food microbiology with a particular reference to dairy processing
- Adhesion of bacteria to surfaces and biofilm formation
- Molecular identification of bacteria
- Extremophilic bacteria

Masters and Doctoral supervision https://academics.aut.ac.nz/brent.seale

Professor Michelle Yoo

Associate Head of Research and Programme Leader | Food Science Ph (09) 921 9999 ext. 6456 | Email: myoo@aut.ac.nz



Methodology

Quantitative

Research Areas

- Value-added food product development
- Digestibility profile of foods
- Nutritional and physiochemical assessments of foods
- Application of bio actives for food product development
- Gluten free bread
- Insects as foods

Masters and Doctoral supervision https://academics.aut.ac.nz/michelle.yoo

School of Sport and Recreation

Dr Katie Bruffy Head of School | Sport & Recreation Ph (09) 921 9999 | Email: katie.bruffy@aut.ac.nz Methodology Research Areas • Sports management

Youth Athlete Development (incl Coaching, Health & Physical Education)

Dr Denise Atkins	Senior Lecturer - Pedagogy Ph (09) 921 9999 ext. 7616 Email: denise.atkins@aut.ac.nz
	 Methodology Qualitative Research Areas Pedagogy and practice in health and physical education within the NZ curriculum NZ curriculum policy Socio-critical perspectives in health and physical education Body pedagogies Masters and Doctoral supervision availability https://academics.aut.ac.nz/denise.atkins

Dr Sierra Keung	Pasifika Strategic Development and Relationships Lead Senior Lecturer – Sport & Recreation Ph (09) 921 9999 ext. 6834 Email: skeung@aut.ac.nz
	 Methodology Qualitative Indigenous (Kaupapa Māori and Pacific) Research Areas Māori and Pacific athlete wellbeing Athlete wellbeing Athlete development Coach development Sport Leadership Youth sport development Can supervise Honours and Masters and Doctoral students. https://academics.aut.ac.nz/sierra.keung

Dr Tony Oldham

Senior Lecturer - Sports coaching

Ph (09) 921 9999 ext. 7057 | Email: toldham@aut.ac.nz



Methodology

Mixed methods

Research Areas

- Perception and Action in Sport
- Stress and Performance
- Motivated Behaviour in Sport and Exercise
- Adherence in Physical Activity
- Psychology of the ageing performer
- Fatigue and psychological performance

Masters and Doctoral supervision availability https://academics.aut.ac.nz/tony.oldham

Professor Kirsten Spencer

Associate Professor – Youth Development and Performance Analysis Ph (09) 921 9999 ext. 7239 | Email: <u>kirsten.spencer@aut.ac.nz</u>



Methodology

Quantitative and mixed methods

Research Areas

- Sport Performance analysis
- Coaching pathway development
- Coaching and coach behaviour
- Athlete-centred coaching
- Women in Coaching

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kirsten.spencer

Kylie Thompson

Senior Lecturer

Health and Physical Education Discipline Leader

Ph (09) 921 9999 ext. 6205 | Email: kylie.thompson@aut.ac.nz



Methodology

Qualitative

Research Areas

- Health and physical education curriculum
- Social and emotional learning (through movement)
- Pedagogy
- Sport, physical activity, and physical education in schools

Honours and Masters supervision availability

Kylie Thompson Profile | Auckland University of Technology (aut.ac.nz)

Associate Professor Simon Walters

Associate Professor Youth Athlete Development

Ph (09) 921 9999 ext. 7022 | Email: simon.walters@aut.ac.nz



Methodology

Qualitative and mixed methods

Research Areas

- Children in sport
- Sideline behaviour
- Athlete-centred coaching

Masters and Doctoral supervision availability https://academics.aut.ac.nz/simon.walters

Dr Denny Wells

Research Associate

Sports Performance Research Institute NZ / Sports Kinesiology Injury Prevention and Performance

Email: denny.wells@aut.ac.nz



Methodology

• Experimental, Quantitative

Research Areas

- Sports biomechanics
- Biomechanical modelling
- Motion capture and analysis

Masters and Doctoral supervision availability

Physical Activity, Nutrition, and the Outdoors

Professor Scott Duncan

Head of Department – Physical Activity, Nutrition, and the Outdoors Ph (09) 921 9999 ext. 7678 | Email: scott.duncan@aut.ac.nz



Methodology

Quantitative

Research Areas

- Physical activity, health and wellbeing
- Outdoor play and connection to nature
- Active transport and independent mobility
- Urban design for health and wellbeing
- School-based health promotion
- Body composition research

Masters and Doctoral supervision availability https://academics.aut.ac.nz/scott.duncan

Associate Professor Mike Brown

Associate Professor – Outdoor Learning

Ph (09) 921 9999 ext. 8387 | Email: Mike.brown@aut.ac.nz



Methodology

Qualitative

Research Areas

- Place responsive pedagogy
- Human-nature relationships
- Water based activities and learning
- Adventure and learning

Masters and Doctoral supervision availability https://academics.aut.ac.nz/mike.brown

Professor Nigel Harris

Dean – Graduate Research School Professor - Sport and Exercise Science

Ph (09) 921 9999 ext. 7301 | Email: nigel.harris@aut.ac.nz



Methodology

• Experimental, quantitative

Research Areas

- Exercise assessment and prescription for metabolic health
- Resistance training

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nigel.harris

Professor Erica Hinckson

Professor - Physical Activity (School of Sport and Recreation) Co-Director – Child and Youth Health Research Centre

Ph (09) 921 9999 ext. 7224 | Email: erica.hinckson@aut.ac.nz



Methodology

• Experimental (quantitative)

Research Areas

People and communities, across the lifespan
 Built environment active commuting of

Built environment, active commuting, physical activity, obesity, sedentary behaviour, postprandial lipemia, children & youth with disabilities, objective measurement of physical activity and sedentary behaviour, standing desks

Women

Teachers' workplace, cycling, NZ Muslim women

Masters and Doctoral supervision availability https://academics.aut.ac.nz/erica.hinckson

Dr Charlotte Jelleyman

Senior Lecturer and Research Fellow

Ph (09) 921 9999 ext. 7078 | Email: charlotte.jelleyman@aut.ac.nz



Methodology

- Quantitative
- Qualitative
- Mixed

Research Areas

- Understanding parent and teacher responses to risk amplifying events
- Risk perception in outdoor education
- The philosophy of adventure
- · Rafting as an outdoor education practice

Honours and Masters supervision availability https://academics.aut.ac.nz/charlotte.jelleyman

Mark Jones

Senior Lecturer | Outdoor Education Major Coordinator Ph (09) 921 9999 ext. 7272 | Email: mark.jones@aut.ac.nz



Methodology

Quantitative, qualitative

Research Areas

- Understanding parent and teacher responses to risk amplifying events
- Risk perception in outdoor education
- The philosophy of adventure
- Rafting as an outdoor education practice

Honours and Masters supervision availability https://academics.aut.ac.nz/mark.jones

Professor Mark Orams

Deputy Vice-Chancellor Research

Ph (09) 921 9999 ext. 6410 | Email: morams@aut.ac.nz



Methodology

- Mixed methods
- Post-positivism

Research Areas

- Outdoor recreation (especially nature based)
- Risk and adventure sport and recreation
- Sport leadership and organisational culture
- Outdoor education (especially environmental education and leadership)
- Marine sport and recreation (especially surfing, sailing, scuba diving, paddlesports, ocean swimming)

Masters and Doctoral supervision availability https://academics.aut.ac.nz/mark.orams

Currently unavailable for any further supervisions

Professor Grant Schofield

Professor of Public Health Director Human Potential Centre

Ph (09) 921 9999 ext. 9169 | Email: grant.schofield@aut.ac.nz



Methodology

Application of appropriate method to answer research question

Research Areas

- Physical activity, nutrition & health
- Nutrition guidelines for public health
- Fasting
- Low carbohydrate and ketogenic diets
- Prevention, treatment and reversal of chronic disease through lifestyle including diabetes, cancer, CVD, and stroke.
- Wellbeing and positive psychology/health as tools for health behaviour change

Masters and Doctoral supervision availability https://academics.aut.ac.nz/grant.schofield

Dr Tom Stewart

Senior Research Fellow Statistical Advisor

Ph (09) 921 9999 ext. 7855 | Email: tom.stewart@aut.ac.nz



Methodology

- Quantitative
- Predictive modelling, machine learning, big data

Research Areas

- Physical activity, sedentary behaviour, and health
- Wearable technology, measurement of behaviour
- Health promoting environments.
- Time use epidemiology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/tom.stewart

Dr. Chien Ju Ting

Research Fellow

Ph (09) 921 9999 ext. 5700 | Email: chien.ting@aut.ac.nz



Methodology

 Quantitative interpretation of data (discourse analysis, thematic analysis, narrative studies)

Research Areas

- Discourse studies
- Cultural and communication
- Identity
- Linguistics

Masters and Doctoral supervision availability https://academics.aut.ac.nz/chien.ting

Dr Aaron Uthoff

Research Fellow – Strength and Conditioning AUT Sports Performance Research Institute New Zealand (SPRINZ)

Email: aaron.uthoff@aut.ac.nz



Methodology

Experimental, quantitative

Research Areas

- Kinematics and kinetics of resistance training
- Kinematics and kinetics of sprint and change of direction performance
- Development of strength, power, speed, and agility
- Long term athlete development
- Wearable resistance

Masters and Doctoral supervision availability https://academics.aut.ac.nz/aaron.uthoff

Professor Caryn Zinn

Dietitian | Head of Research | Senior Lecturer Ph (09) 921 9999 ext. 7842 | Email: caryn.zinn@aut.ac.nz



Methodology

Mixed methods case study; Quantitative

Research Areas

The application of

- i. Low carbohydrate, high fat diets
- ii. Ketogenic diets
- iii. Intermittent fasting strategies on metabolic health and sports performance across all ages and population groups.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/caryn.zinn

Sport Leadership and Management

Gaye Bryham

HOD - Sport Leadership and Management Ph (09) 921 9999 ext. 7739 | Email: gaye.bryham@aut.ac.nz



Methodology

- Qualitative
- Action Research, Action Learning

Research Areas

- Sport leadership
- Diversity and inclusion in sport
- Athlete-Life management

Honours and Masters supervision availability https://academics.aut.ac.nz/gaye.bryham

Lefaoali'i Dr Dion Enari

Senior Lecturer

Member AUT Pacific Health Research Centre

Email: dion.enari@aut.ac.nz



Methodology

- Qualitative
- Indigenous
- Exploratory

Research Areas

- Sport Leadership
- Sport Management
- Pacific Studies
- Indigenous Studies
- Trans-nationalism

Can supervise Honours and Masters and Doctoral students https://academics.aut.ac.nz/dion.enari

Professor Lesley Ferkins

Professor - Sport and Leadership & Governance
Director, Sports Performance Research Institute New Zealand (SPRINZ)
Ph (09) 921 9999 ext. 7644 | Email: lferkins@aut.ac.nz



Methodology

- Qualitative, especially action research, case study, interpretive approaches Research Areas
- Sport governance
- Sport leadership
- Sport development
- Sport management

Masters and Doctoral supervision availability https://academics.aut.ac.nz/lesley.ferkins

Dr Mel Johnston

Lecturer | Sport Leadership and Management

Email: melody.johnston@aut.ac.nz



Methodology

Quantitative, Qualitative, Mixed Methods

Research Areas

- Major Sport Events
- Gender diversity in sport
- Sport development
- Sport for development
- Sport marketing

Masters and Doctoral supervision availability https://academics.aut.ac.nz/melody.johnston

Dr Patricia Lucas

Senior Lecturer | Work-integrate learning/Human physiology and nutrition Ph (09) 921 9999 ext. 7134 | Email: patricia.lucas@aut.ac.nz



Methodology

- Qualitative
- Case study
- Mixed methods

Research Areas

- Education
 - Work integrated learning
 - Employability
 - Targeted populations
- Physical activity and nutrition
 - Active aging
 - Older adults and processed foods

Masters and Doctoral supervision availability https://academics.aut.ac.nz/patricia.lucas

Dr Tracy Molloy

Senior Lecturer – Sport Leadership & Management Ph (09) 921 9999 ext. 7092 | Email: tracy.molloy@aut.ac.nz



Methodology

- Critical realism
- Case study
- Action research
- Mixed methods (combining qualitative and quantitative methods)
- Ally for co-design (with indigenous methods)

Research Areas

- Sport governance and leadership
- Sport integrity

Masters and Doctoral supervision availability https://academics.aut.ac.nz/tracy.molloy

Associate Professor Richard Wright

Sport and Recreation Management

Ph (09) 921 9999 ext. 7633 | Email: <u>Richard.wright@aut.ac.nz</u>



Methodology

Mixed, qualitative & quantitative, autoethnography

Research Areas

- Sports event management
- Sports facilities management
- Sports tourism
- Serious leisure

Masters and Doctoral supervision availability https://academics.aut.ac.nz/richard.wright

Dr Sarah Wymer

Senior Lecturer | Sport Leadership and Management Email: sarah.wymer@aut.ac.nz



Methodology

Qualitative

Research Areas

- Sport Marketing
- Social & Digital Media
- Sport Broadcasting
- Fan Engagement

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/sarah.wymer

Sport and Exercise Science

Associate Professor Chris Whatman

Senior Lecturer

Ph (09) 921 9999 ext. 7037 | Email: cwhatman@aut.ac.nz



Methodology

• Quantitative, experimental, mixed methods

Research Areas

- Injury prevention in youth sports
- Specialisation and bio-banding in youth sport
- Neuromuscular warm-up in youth sports
- Player workload and injury risk
- Visual rating of movement tests in athletes

Masters and Doctoral supervision availability https://academics.aut.ac.nz/chris.whatman

Dr Marelise Badenhorst

Research Associate | Sports Performance Research Institute NZ (SPRINZ) Ph (09) 921 9999 | Email: Marelise.badenhorst@aut.ac.nz



Methodology

Qualitative

Research Areas

- Physiotherapy
- Athlete Health and Welfare
- Injury Prevention
- Concussion and spinal cord injury in sport

Honours, Masters and Doctoral supervision availability

Dr Luigi Bercades

Senior Lecturer – Exercise Science

Ph (09) 921 9999 ext. 28653 | Email: Luigi.bercades@aut.ac.nz



Methodology

Mixed methods

Research Areas

- Special populations
- Combat sports
- Physical fitness
- Elderly
- Disabled people
- Expert knowledge

Honours, Masters and Doctoral supervision availability https://academics.aut.ac.nz/luigi.bercades

Associate Professor Matt Brughelli

Senior Lecturer – Exercise Science

Ph (09) 921 9999 ext. 7025 | Email: matt.brughelli@aut.ac.nz



Methodology

• Quantitative exercise science

Research Areas

- Kinetics and kinematics of sprinting
- Injury prevention in sport
- Development of strength, power, speed, and agility
- Acute and chronic effects of eccentric exercise

Masters and Doctoral supervision availability https://academics.aut.ac.nz/matt.brughelli

Associate Professor Simeon Cairns

Associate Professor – Sport and Recreation

Ph (09) 921 9999 ext. 7125 | Email: <u>simeon.cairns@aut.ac.nz</u>



Methodology

- Muscle physiology techniques, quantitative exercise science methodology Research Areas
- Mechanisms of fatigue in skeletal muscle
- Electrolytes, action potentials and muscle / exercise performance
- The central nervous system and muscle / exercise performance
- Airways smooth muscle and asthma
- Racquet sport performance
- Caffeine, health and exercise performance
- Fatigue in clinical settings / neuromuscular disorders

Masters and Doctoral supervision availability https://academics.aut.ac.nz/simeon.cairns

Professor John Cronin

Professor - Strength and Conditioning Head of International Partnerships

Ph (09) 921 9999 ext. 7523 | Email: john.cronin@aut.ac.nz



Methodology

Experimental, quantitative sport and exercise science

Research Areas

- Kinematics and kinetics of resistance training
- Development of strength, power, speed, balance and agility
- Wearable resistance
- Sport technology

John is not taking on any students at present

Masters and Doctoral supervision

https://academics.aut.ac.nz/john.cronin

Dr Matt Cross

Research Fellow

Ph (09) 921 9001 ext. 28687 | Email: matthew.cross@aut.ac.nz



Methodology

Quantitative

Research Areas

- Strength and power profiling
- Sports technology
- Alpine skiing performance
- Sprinting and resisted sprint training

Masters and Doctoral supervision availability https://academics.aut.ac.nz/matthew.cross

Dr Eric Helms

Research Fellow - Strength and Conditioning
AUT Sports Performance Research Institute New Zealand (SPRINZ)

Ph (09) 921 9999 ext. 5195 | Email: ehelms@aut.ac.nz



Methodology

Experimental (quantitative)

Research Areas

- Physique sport nutrition, resistance training, athlete and coaching psychology
- Strength sport nutrition, resistance training, athlete and coaching psychology

Enhancing performance in competitive strength and physique athletes over the career-span through sustainable approaches that respect athlete autonomy, holistic development and mental and physical health.

Masters and Doctoral supervision availability https://academics.aut.ac.nz/eric.helms

Professor Patria Hume

Professor – Human Performance

Ph (09) 921 9999 ext. 7306 | Email: patria.hume@aut.ac.nz



Methodology

Experimental (quantitative)

Research Areas

- Sports injury biomechanics
- Sports performance biomechanics
- Sports injury prevention
- Sports injury epidemiology
- Sport kinanthropometry
- Sports technology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/patria.hume

Professor Andrew Kilding

Professor - Sport and Exercise Science | Co-Director, Sports Performance Research Institute New Zealand

Ph (09) 921 9999 ext. 7056 | Email: <u>andrew.kilding@aut.ac.nz</u>



Methodology

• Experimental, quantitative

Research Areas

- Training and ergogenic methods to enhance endurance performance
- Running and movement economy
- Quantifying demands of team sports and improving aerobic fitness in team sport athletes
- Exercise prescription to enhance cardio-vascular health

Masters and Doctoral supervision availability https://academics.aut.ac.nz/andrew.kilding

Jaron Kung

Doctoral Student - AUT

Senior Lecturer – Manukau Institute of Technology, School of Sport Ph (09) 976 0275 | Email: jaron.kung@aut.ac.nz



Methodology

• Experimental, quantitative

Research Areas

- Strength and Conditioning
- Development of strength, speed, power, and agility
- Long Term Athlete Development

Currently unavailable to take on supervisions

Can supervise Honours and Masters

Dr Ed Maunder

Head of Postgraduate Studies – School of Sport and Recreation Senior Lecturer - Exercise Physiology

Ph (09) 921 9999 ext. 6227 | Email: ed.maunder@aut.ac.nz



Methodology

Experimental, quantitative

Research Areas

- Muscle metabolism
- Mitochondrial adaptations to exercise training.
- Physiological durability in endurance sport

Can supervise Honours, Masters and Doctoral https://academics.aut.ac.nz/ed.maunder

Professor Mike McGuigan

Professor - Strength and Conditioning

Ph (09) 921 9999 ext. 7580 | Email: michael.mcguigan@aut.ac.nz



Methodology

Experimental, quantitative

Research Areas

- Resistance training
- Strength and power development
- Assessment and monitoring of training

Masters and Doctoral supervision availability https://academics.aut.ac.nz/michael.mcguigan

Associate Professor Kelly Sheerin

Head of Department – Sport & Exercise Science Ph (09) 921 9999 ext. 7364 | Email: Kelly.sheerin@aut.ac.nz



Methodology

Quantitative experimental

Research Areas

- Sports injury biomechanics
- Sports injury prevention
- Sports kinanthropometry
- Sports technology

Masters and Doctoral supervision availability https://academics.aut.ac.nz/kelly.sheerin

Dr Alyssa-Joy Spence

Lecturer

Ph (09) 921 9999 | Email: alyssa-joy.spence@aut.ac.nz



Methodology

- Experimental
- Quantitative

Research Areas

- Strength sport
- Resistance training
- Stretching

Masters and Doctoral supervision availability https://academics.aut.ac.nz/alyssa.joy.spence

Dr Adam Storey

Senior Research Fellow

Lead Strength & Conditioning Specialist for Emirates Team NZ and Canoe Racing NZ. Email: adam.storey@aut.ac.nz



Methodology

- Quantitative exercise science
- Strength and conditioning

Research Areas

- Acute and chronic adaptations to high-power, high-intensity resistance exercise
- Strength and power development
- Resistance exercise periodisation
- Applied Olympic weightlifting research
- Heat acclimation and applied heat stress

Masters and Doctoral supervision availability https://academics.aut.ac.nz/adam.storey

Dr Anja Zellner

Lecturer – Sport & Recreation | Sports Performance Research Institute NZ Ph (09) 921 9999 ext. 28471 | Email: anja.zoellner@aut.ac.nz



Methodology

- Quantitative
- Qualitative descriptive
- Mixed methods

Research Areas

- Sport biomechanics
- Injury prevention
- Youth sport development
- Concussion management

Masters and Doctoral supervision availability https://academics.aut.ac.nz/anja.zoellner

Faculty-wide Supervisors

Associate Professor Love Chile

Associate Professor - Public Policy

Ph (09) 921 9999 ext. 8312 | Email: love.chile@aut.ac.nz



Methodology

Qualitative, particularly autoethnography, appreciative inquiry, and narratives
 Research Areas

- Community development as community investment
- Cross-cultural exchange and public policy
- Refugee and migrant development
- Building sustainable healthy communities

Masters and Doctoral supervision availability

Professor Peggy Fairbairn-Dunlop

Professor - Pacific Studies

Ph (09) 921 9999 ext. 6203 | Email: peggy.fairbairn-dunlop@aut.ac.nz



Methodology

Qualitative

Research Areas

- Sustainable development, pacific small island states
- Gender, youth and development issues
- Family security (domestic violence, and child abuse and neglect issues)
- Education

Masters and Doctoral supervision

Associate Professor Nick Garrett

Associate Professor | Senior Biostatistician - Department of Biostatistics and Epidemiology

Member | AUT Gambling and Addictions Research Centre Ph (09) 921 9999 ext. 7773 | Email: ngarrett@aut.ac.nz



Methodology

- Biostatistics
- GIS
- Environmental epidemiology
- Social epidemiology

Research Areas

- Physical activity and the urban environment
- Māori health
- Environmental health effects
- Social and cultural determinants of health
- Health inequalities
- Spatial modelling
- Problem gambling
- Tobacco control

Masters and Doctoral supervision availability https://academics.aut.ac.nz/nick.garrett

Dr Anja Vorster

Lecturer and Data Analyst/Manager
Department of Biostatistics and Epidemiology
Member | AUT Gambling and Addictions Research Centre

Email: anja.vorster@aut.ac.nz



Methodology

- Observational and experimental research designs
- Quantitative data and statistics

Research Areas

- Theories used in social psychology
- Social identify approach
- Intergroup relations and intergroup emotions.

Can co-supervise/supervise Masters and Doctoral https://academics.aut.ac.nz/anja.vorster

Dr Irene Suilan Zeng

Senior Research Fellow – Department of Biostatistics and Epidemiology Ph (022) 0478272 | Email: irene.zeng@aut.ac.nz



Methodology

Experimental, quantitative

Research Areas

- Biostatistics (Clinical research)
- Public health and health service
- Medical and Health Sciences
- Statistical methods in Omics

Can co-supervise/supervise Masters and Doctoral Irene Zeng Profile | Auckland University of Technology (aut.ac.nz)