

MONDAY 1 JULY

Welcome: Dr Sarah Lovell
IMGS History: Prof. Graham Moon

8:30 AM
icon

Prof. Angus Macfarlane
Braiding the Knowledge Streams

Dr. Anneka Anderson
Impacts of colonial conceptions of space on Indigenous health and wellbeing: A kaupapa Māori approach to understanding health inequities.

Morning Tea

10:20 AM

Parallel Sessions

10:40 AM

Green spaces and healthy cities

icon 1

Indigenous health geographies [1]

icon 2

Vector borne diseases

pounamu 1

Access and performance in New Zealand's health system

pounamu 2

Lunch, Mackenzies Restaurant

12:05 PM

IMGS Business Meeting

Katoa Suite

Participants: IGU-CHE chairs, specialty groups chairs; open to interested delegates

Parallel Sessions

1:00 PM

Working in collaboration with research, policymakers and business: opportunities, challenges and solutions

icon 1

Exposure to area deprivation

icon 2

Indigenous Health Geographies [2]

pounamu 1

Equity in health care access

pounamu 2

Parallel Sessions

2:25 PM

The Posthuman Turn: Perspectives, Progress and Prospects

icon 1

Methods in activity spaces and walkability

icon 2

Geographical health variation within Europe

pounamu 1

Big data

pounamu 2

Afternoon Tea

3:45 PM

Panel Plenary

4:05 PM

The health and well-being related consequences of living in a rapidly growing tourist town: Queenstown

icon

MONDAY 1 JULY, 10.40AM-12 PM

Session 2A: Green spaces and healthy cities

Session Chair: D Exeter

10.40am **Exposure to green spaces and mental health and wellbeing in Quebec, Canada**

Mathieu Philibert, Janie Houle, Yves Baudouin and Simon Coulombe

11.00am **How green infrastructure affects human health and wellbeing in the post-disaster recovery?**

Ai Tashiro and Tomoki Nakaya

11.20am **Examining the relationship between city 'greenness' and homicide in 290 US cities over 30 years: A multilevel conditional growth curve modeling approach**

Jonnell Sanciangco, Zihan Lin, Yuhao Wang, Kimberly Clevenger, Kelly Kc, Gregory Breetzke and Amber Pearson

11.40am **Generating openly accessible small area indicators of 'Access to Healthy Assets and Hazards' for Great Britain, 2017**

Mark Green, Alex Singleton, Konstantinos Daras and Alec Davies

Session 2A: Indigenous Health Geographies [1]

Session Chair: T. Moeke-Maxwell

10.40am **The geographies of indigenous health: Growth of a sub-discipline and a moral imperative**

Chantelle Richmond

11.00am **Working with Pictou Landing First Nation to redefine a healthy community**

Diana Lewis

11.20am **Processes and meanings of environmental repossession in the Canadian Indigenous context: Community-led research with Biigtigong Nishnaabeg, Ontario**

Elana Nightingale and Juanita Starr

11.40am **Consent and Development in Indigenous Peoples' Territories: a Canadian case-study on nuclear waste disposal**

Steven Vanloffeld

ICON 1

ICON 2

MONDAY 1 JULY, 10.40AM-12 PM

Session 2C: Vector borne diseases

Session Chair: N Jones

Human and waterscape interactions: Investigations of Southeast Asian liver fluke infections 10.40am

Yi-Chen Wang and Chen-Chieh Feng

Exploring vector-borne disease surveillance and response systems in Beijing, China: A qualitative account from the health systems perspective 11.00am

Jerome Lock Wah Hoon, Eva Pilot, Wang Quanyi, Marieta Braks, Liselotte van Asten, Qiyong Liu, Preeti Sushama, Thomas Krafft, Wim van der Hoek and Ewout Fanoy

Spatial analysis of zika and dengue in a municipality in northeastern Brazil (lightning talk) 11.20am

Jose Aquino Junior, Audivan Ribeiro Garces Junior, Adriana Soraya Araujo, Jose Antonio Silvestre Fernandes Neto, Zulimar Marita Ribeiro Rodrigues and Maria Dos Remedios Freitas Carvalho Branco

Developing a Bio-Spatial GIS network model for bio drones 11.30am

Aniruddha Banerjee, Vijay Lulla, Charity Owings, Christine Picard, William Gilhooly, Nicholas Manicke and Travis Asher

Session 2D: Access and performance in New Zealand's health system

Session Chair: G Moon

A mixed methods approach to examining the spatial equity and sustainability of general practitioner (GP) services in Waikato, New Zealand 10.40am

Jesse Whitehead

The health effects of financial barriers to access to primary health care in New Zealand: A longitudinal investigation 11.00am

Santosh Jatrana and Peter Crampton

Blurred in Translation: everyday encounters and contradictions of health and diversity initiatives in a New Zealand District Health Board 11.20am

Sandy Lee, Francis Collins and Rachel Simon-Kumar

Understanding geographic variation in health system performance: Implications for improvement 11.40am

Pushkar Raj Silwal, Daniel Exeter and Timothy Tenbenschel

MONDAY 1 JULY, 1 PM - 2.20PM

Session 3A: Working in collaboration with research, policymakers and business: opportunities, challenges and solutions

Session Chair: M Hobbs

1.00pm **Can we make a difference? Turning research into policy**
Simon Kingham

1.15pm **Research-policy partnership in practise: the GeoHealth Laboratory and New Zealand Ministry of Health**

Melanie Tomintz, John McCarthy, Simon Kingham, Malcolm Campbell, Matthew Hobbs, Lukas Marek, Clemence Vannier and Jesse Wiki

1.30pm **Engaging with policy, business and academia: lessons from The Economic and Social Research Council Obesity Network**

Michelle Morris and Mark Birkin

1.45pm **GeoHealth in action: Communities, clinicians, and health geographers working together**

Michael Epton, Simon Kingham, Malina Storer, Malcolm Campbell and Lukas Marek

2.00pm **Developing an atlas of cancer for Aotearoa New Zealand: Measuring how cancer depends on geography**

John McCarthy, James Greenwell, Melanie Tomintz, Peter Baade, Susanna Cramb and Earl Duncan

ICON 1

Session 3B: Exposure to area deprivation

Session Chair: K Witten

1.00pm **Residential history to measure longitudinal neighborhood exposure to deprivation in a Canadian cohort**

Laurence Letarte, Alexandre Lebel and Pierre Gagnon

1.20pm **Which way is healthier: an analysis of the relationship between residential move and changes in mover's health within the Tokyo metropolitan area, Japan**

Tomoki Nakaya, Tomoya Hanibuchi, Takahiro Tabuchi and Shigeru Inoue

1.40pm **Evidence and evolutions of neighborhood heterogeneity in health in different regions in China**

Lijuan Gu, Binggan Wei and Linsheng Yang

2.00pm **Workplace location deprivation: Relationship with health**

Nicola Shelton and Jemima Stockton

ICON 2

PAPER SESSIONS

MONDAY 1 JULY, 1PM- 2.20 PM

Session 3C: Indigenous Health Geographies [2]

Session Chairs: C Richmond & K Big-Canoe

“It’s about more than scholarship money”: Examining the relational impact of Ontario’s Indigenous Mentorship Network 1.00pm

Katie Big-Canoe and Chantelle Richmond

Paper presentation followed by discussions in mentoring and support, teaching & learning in indigenous health geographies. 1.20pm

POUNAMU 1

Session 3D: Equity in health care access

Session Chair: M Rosenberg

Health Care Deprivation as Environmental Racism 1.00pm

Aida Gulincozzi

Mapping and Analyzing Health Care Provider Interdependencies & Resulting Access Disparities By Race and Class: The Case of Primary Care Physicians and Audiologists in Chicagoland 1.20pm

Arrianna Planey

Sense of place and equity in health care system: perspectives from marginalized patients 1.40pm

Christine Laignon and Sophie Dupéré

Unfamiliar territories: Working with migrant patients in Australian cancer care 2.00pm

Rhiannon Parker, Emma Kirby and Alex Broom

POUNAMU 2

Session 4A: The Posthuman Turn: Perspectives, Progress and Prospects

Session Chair: G Andrews

Panel: Kim McLeod, Gavin Andrews, Cameron Duff, Ronan Foley, David Conradson, Ed Hall, Robin Kearns

This special session comprises a panel discussion on the posthuman turn that has recently taken hold in health geography (e.g. Andrews, 2018; 2019; Atkinson, 2013; Conradson, 2005; Duff, 2014; 2016; Hall, 2004; Hall and Wilton, 2017; Foley, 2011; 2013; Kearns and Coleman, 2018; Lea, 2018; McLeod, 2014). By this we mean a turn that: (1) Moves away from the assumption that health occurs within autonomous, complete, conscious subjects. (2) Is informed by a range of diverse yet well-aligned theoretical traditions including new materialisms, affect theory, assemblage theory, non-representational theory, actor-network theory, relational thinking, vitalist philosophy. (2) Recognises that the posthuman is also a broader societal condition. Seven leading scholars from three continents will discuss particular aspects and challenges of the posthuman turn.

ICON 1

Session 4B: Methods in activity spaces and walkability

Session Chair: M Smith

2.25pm **Activity spaces in studies of the environment and physical activity: a review and synthesis of implications for causality**

Lindsey Smith, Louise Foley and Jenna Panter

2.45pm **Using GPS data to evaluate responses to new transport infrastructure: the case of the Cambridgeshire Guided Busway, UK**

Lindsey Smith, Tom Burgoine and Jenna Panter

3.05pm **Auditing neighborhoods virtually by crowdworkers**
Tomoya Hanibuchi, Tomoki Nakaya and Shigeru Inoue

3.25pm **Evaluation of neighborhood walkability using Google Street View and deep learning approach (lightning talk)**

Shohei Nagata, Tomoki Nakaya and Tomoya Hanibuchi

ICON 2

MONDAY 1 JULY, 2.25PM- 3.45PM

Session 4C: Geographical health variation within Europe

Session Chair: T Krafft

Population health across European Union regions: Evidence from the Euro-Healthy Project 2.25pm

Paula Santana, Angela Freitas, Cláudia Costa and Ricardo Almendra

Determinants of health outcomes in the Central European regions 2.45pm

Dagmar Dzurova, Michala Lustigova and Paula Santana

Tobacco-related cancers in Europe in 2018: the importance of smoking in cancer prevention 3.05pm

Ivana Kulhanova, Jerome Vignat, Isabelle Soerjomataram and David Forman

Gender gap in cardiovascular health in Europe 3.25pm

Michala Lustigova, Dagmar Dzurova, Ivana Kulhanova and Hynek Pikhart

Session 4D: Big data

Session Chairs: D Exeter & C Sabel

Re-thinking how we measure socioeconomic position in among the population aged ≥65 years 2.25pm

Daniel Exeter, Michael Browne and Arier Lee

The BERTHA Big Data Centre for Environment and Health: Opportunities and challenges 2.45pm

Clive Sabel

Using 'Big Data' to conduct a quantitative study assessing the long-term impact of home insulation on residents' health 3.05pm

Caroline Fyfe

Addressing birth outcomes with data analytics and spatial analysis 3.25pm

Elisabeth Root, Luyu Liu and Adam Porr

TUESDAY 2 JULY

Prof. Philippe Apparicio
Cyclists' exposure to air pollution and road traffic noise in some cities around the world: Health and planning issues

8.30 AM
icon

Dr. Suzanne Mavoia
Improving objective measurement of exposure to the natural environment

Springer's Celebration of Authors Coffee Break

09:30 AM

Parallel Sessions

10:00 AM

Space, place and wellbeing at the end of life

icon 1

Where is health in your teaching of geography or vice versa?

icon 2

Climate, health, & equity

pounamu 1

Determinants of physical activity

pounamu 2

Parallel Sessions

11:25 AM

Area effects and its limitations

icon 1

Wellbeing in older age: Qualitative innovations

icon 2

Health moralities

pounamu 1

Where is health in your teaching of geography or vice versa?

pounamu 2

Lunch, Mackenzies Restaurant

12:45 PM

Poster session

1.15-1.25pm, Icon Foyer

Parallel Sessions

1:35PM

The Built Environment: Building healthy neighbourhoods

icon 1

Mental health

icon 2

Water, sanitation hygiene and environmental health

pounamu 1

Therapeutic landscapes

pounamu 2

Parallel Sessions

3.00 PM

Geographies of disability

icon 1

Cycling in cities: Health and safety issues

icon 2

Coordination in health systems

pounamu 1

Gender, autonomy and global health

pounamu 2

Afternoon Tea

4:20 PM

Prof. Gavin Andrews

4:40 PM

The Future of Health Geography: Meeting the Challenges of the 21st Century Post-human World

icon

TUESDAY 2 JULY, 10.00 AM-11.20 AM

Session 5A: Space, Place and Wellbeing at the End of Life

Session Chair: A Collier

10.00am **Space, place and wellbeing at the end of life**

Aileen Collier, Suzanne Grant and Merryn Gott

10.20am **Meanings Māori attribute to places of death: Physical death spaces are much more than a place to die**

Tess Moeke-Maxwell and Merryn Gott

10.40am **Place, comfort and justice at the end of life**

Alex Broom

11.00am **Topologies of end of life care: Tracing relations of care between home and hospital, the living and the dead, in northern Ghana**

Kelsey Hanrahan

ICON 1

Session 5B: Where is health in your teaching of geography or vice versa? [1]

Session Chairs: M Campbell, A Curl, S Fleuret & A Lebel

This session seeks to create a forum to present experiences relating to the approaches employed by IMGS delegates when undertaking their teaching of health and medical geography in different contexts worldwide. Identifying the intersection of health and geography in scientific research is a longstanding and evolving debate that is not necessarily resolved, and that often involves interdisciplinary approaches and conflicting research paradigms. This session examines how we address such debates in our teaching across different disciplines and with a variety of methods

[1] Flash Talks on Teaching

How can new(er) tools and methods be utilised to teach health geography?

Malcolm Campbell

The 'where' of teaching health geography: reflections on the use of outdoor and virtual learning environments

Angela Curl

Bridging the silos: Can we teach health to urban planners and planning to health professionals?

Alexandre Lebel

Teaching health geography for tourism professionals.

Sebastien Fleuret

Additional flash talks from researchers/teachers at Harvard, Queen Mary University, and MIT.

ICON 2

TUESDAY 2 JULY, 10.00 AM-11.20 AM

Session 5C: Climate, health, & equity

Session Chair: M Jerrett

Heat-related mortality: estimation of human tolerance to high air temperature 10.00am

Natalia Shartova, Dmitry Shaposhnikov and Pavel Konstantinov

Heat and the elderly: What do we know about behavior, perception and knowledge of elderly people during episodes of heat? 10.20am

Juliane Kemen, Silvia Schäffer-Gemein and Thomas Kistemann

Air pollution and health equity in Zhengzhou city, China 10.40am

Li Wang, Linsheng Yang and Dan Zhang.

Social susceptibility to urban air pollution in cardiovascular disease 11.00am

Jamie Humphrey, Ellen Kinnee, Laura Kubzansky, Colleen Reid, Leslie McClure, Lucy Robinson and Jane Clougherty

Session 5D: Methods in spatial analysis

Session Chair: P Santana

Applications of geospatial analysis and electronic health records in a children's hospital 11.45am

Jonathan Tan, Vicky Tam, Jorge Galvez, Grace Hsu, Arul Lingappaan, Jack Wasey, Allan Simpaio and Heather Griffis

Visualizing spatio-temporal trajectories of regional health status changes for global mutual learning: A self organizing map based approach applied to Japan and Korea's regional suicide rates (lightening talk) 12.05pm

Chul Sohn and Tomoki Nakaya

A Spatial Political Economy of Pre-Diabetes: The Role of Data and Citizen Science 12.15pm

Carla Saunders, Hamish Robertson, Nick Nicholas and Joanne Travaglia

TUESDAY 2 JULY, 11.25 AM-12.45 PM

Session 6A: Area effects and its limitations

Session Chair: I Luginaah

11.25am **Neighbourhood effects on health in urban areas of developing countries: a systematic review**

Ramjee Bhandari, Richard Mitchell, Valerie Wells and Hilary Thomson

11.45am **Trends in smoking prevalence over time and space: A comparison between LGB and heterosexual populations using multilevel repeated measures modelling**

Megan Davies, Nathaniel Lewis and Graham Moon

12.05pm **Identifying neighbourhood determinants of non-compliant food establishments in England and Wales**

Rachel A Oldroyd, Michelle A Morris and Mark Birkin

12.25pm **Don't mention the modifiable areal unit problem - I didn't and I think I got away with it!**

Neil Coffee, Lukar Thornton and Mark Daniel

ICON 1

Session 6B: Wellbeing in Older Age: Qualitative Innovations

Session Chair: A Collier

11.25am **Telling stories: using digital media to show how people with dementia negotiate their 'everyday' spaces**

Lisa Williams, Aileen Collier, Merryn Gott, Michal Boyd and Tess Moeke-Maxwell

11.45am **Social exclusion and community in an urban retirement village**

Lori Nielson, Janine Wiles and Anneka Anderson

12.05pm **Encountering the transformative potential of Sharing Dance for people living with dementia and carers across spaces of care**

Rachel Herron, Mark Skinner, An Kosurko, Pia Kontos, Verena Menec and Rachel Bar

ICON 2

TUESDAY 2 JULY, 11.25 AM-12.45 PM

Session 6C: Health Moralities

Session Chair: S Atkinson

Pleasure, space and health 11.25am

Lee Thompson

Being good and doing good: running to some purpose 11.45am

Emily Tupper and Sarah Atkinson

Risk and responsibility: Out-of-hospital birth in the Twin Cities, Minnesota, U.S. 12.05pm

Helen Hazen

Stigmatising intending parents in Indian surrogacy: A call for reproductive justice 12.25pm

Swati Shah, Christina Ergler and Bryndl Hohmann-Marriot

Session 6D: Where is health in your teaching of geography or vice versa?[2]

Panelists: Malcolm Campbell, Valorie Crooks, Angela Curl, Sebastien Fleuret, Alexandre Lebel

This session seeks to create a forum to present experiences relating to the approaches employed by IMGS delegates when undertaking their teaching of health and medical geography in different contexts worldwide. Identifying the intersection of health and geography in scientific research is a longstanding and evolving debate that is not necessarily resolved, and that often involves interdisciplinary approaches and conflicting research paradigms. This session examines how we address such debates in our teaching across different disciplines and with a variety of methods

[2] Debates

The objective of this session is to stimulate a debate on how to contribute to a better integration of the geography-health intersection into teaching. Participants will have the opportunity to expose their point of view or experience, and to address fundamental questions with the panellists, such as: What is the role of geographical thinking when teaching population health? Are there conflicts and tensions between health geography and associated fields?

Session 7A: The Built Environment: Building healthy neighbourhoods

Session Chair: H Badland

1.35pm **Obesity and the Built Environment: Challenging Some Orthodoxies**

Mark Rosenberg

1.55pm **Comparing time use, transportation options, and dietary behaviours in three Toronto, Canada neighbourhoods: Initial results from the FASTT Survey**

Michael Widener, Dallas Liu and Lauren Jewett

Geospatial Monitoring of Body Mass Index in Denver, Colorado, USA

2.15pm Peter Anthamatten, Deborah Thomas, Devon Williford, Jennifer Barrow, Kirk Bol, Arthur Davidson, Sara Deakyne Davies, Emily McCormick Kraus, David Tobano and Matthew Daley

2.35pm **Favourable Active Living Environments and Walking: Findings from the AusDiab/Aus-ALE Linkage Initiative**

Sarah M Mah, Richard Fry, Dianna J Magliano, Jonathan E Shaw, Neville Owen, Rebecca Bentley, Nancy A Ross and Billie Giles-Corti

Session 7B: Mental health

Session Chair: L Thompson

1.35pm **Geographic inequalities in the distribution of serious mental illness - type 2 diabetes comorbidity**

Ramya Walsan, Andrew Bonney, Darren J Mayne, Nagesh Pai and Xiaoqi Feng

1.55pm **Development of the Australian Neighbourhood Social Fragmentation Index and its association with spatial variation in depression across communities**

Nasser Bagheri, Philip Batterham, Luis Salvador-Carulla, Yingxi Chen, Alison Calear, Andrew Page and Peter Congdon

2.15pm **Childhood maltreatment and mental health outcomes in later life among Canadian immigrants: Evidence from the General Social Survey**

Vincent Kuuire

2.35pm **Evaluating use of Community Treatment Orders in England: a cross-classified multilevel modelling approach using the Mental Health Services Dataset**

Graham Moon, Craig Duncan, Liz Twigg, Scott Weich, Orla McBride, Helen Parsons, Alastair Canaway, Jason Madan, David Crepez-Keay, Patrick Keown, Swaran Singh and Kamaldeep Bhui

TUESDAY 2 JULY, 1.35 PM- 2.55 PM

Session 7C: Water, sanitation hygiene and environmental health

Session Chair: C Anthonj

Water matters: Using holistic, interdisciplinary approaches in global public health 1.35pm

Carmen Anthonj

Linking land use dynamics and surface water systems: human health perspective 1.55pm

Joshua Ntajal and Mariele Evers

Introducing the Empowerment in WASH Index (EWI): A tool for measuring women's empowerment in water and health interventions 2.15pm

Elijah Bisung and Sarah Dickin

POUNAMU 1

Session 7D: Therapeutic landscapes

Session Chair: A Williams & R Foley

Outdoor Places as Healing Places: Former Syrian Refugees' Therapeutic Landscapes in Dunedin, New Zealand 1.35pm

Olivia Eyles and Christina Ergler

Illness and Healing in Wilderness Iceland: The Stones Speak by Thórbergur Thórdarson 1.55pm

Allison Williams and Kaelan Brooke

'No black melancholy': an exploration of health and wellbeing in Scottish 'Out-dwellings' 2.15pm

Rachel Hunt

Therapeutic (Is)landscapes, Experiences of Digitality and Other Encounters with Place on Turtle Island, Fiji 2.35pm

Erin James and Robin Kearns

POUNAMU 2

TUESDAY 2 JULY, 3.00 PM-4.20 PM

Session 8A: Geographies of disability

Session Chair: R Herron

3.00pm **Blind people, experiences of places and image of the city: the construction a healthy urban space**

Leandro Buzzo Mourão Guimarães and Raul Borges Guimarães

3.20pm **Placing Disabled Masculinities**

Robert Wilton, Ann Fudge Schormans and Lauren Van Camp

3.40pm **Blind and on the move: Representing the activity spaces of individuals with visual impairment in the San Francisco Bay Area**

Sandy Wong

4.00pm **'Self-building' creative and innovative care and support in troubled times**

Edward Hall, Andrew Power, Melanie Nind, Alexandra Kaley, Hannah Macpherson and Andy Coverdale

Session 8B: Cycling in cities: Health and safety issues

Session Chairs: P Apparicio & J Gelb

3.00pm **Analyzing cyclists' multi-exposure in several cities: Data and modelling considerations**

Jérémy Gelb and Philippe Apparicio

3.20pm **Types of cycling infrastructure: Safety, comfort and exposure to air pollutants and noise**

Vincent Jarry and Philippe Apparicio

3.40pm **Cycling in one of the most polluted cities in the world: analysis of air pollution and noise in New Delhi**

Philippe Apparicio and Jérémy Gelb

4.00pm **Understanding children's school travel behaviours: A case study investigating links between the built environment and child and parent perspectives**

Niamh Donnellan, Victoria Egli and Melody Smith

TUESDAY 2 JULY, 3.00 PM-4.20 PM

Session 8C: Coordination in health systems

Session Chair: S Elliot

Exploring the use of System Dynamics Modelling in the Scottish National Health Service 3.00pm

Grant Aitken, Sally Thompson, Andrew Mooney and Jenny Armstrong

From policy to paralysis. An archaeology of hospital planning in Ireland 3.20pm

Darren O'Rourke and Ronan Foley

Care coordination in psychiatry: a network analysis using exhaustive claims data in France 3.40pm

Coralie Gandré, Laurent Beauguitte and Magali Coldefy

Continuity of care: An analysis of care providers' outlook on women's experiences of unplanned/emergency caesarean section within New Zealand maternity system 4.00pm

Charles Egwuba, Sarah Lovell and Annabel Ahuriri-Drisco

Session 8D: Gender, autonomy and global health

Session Chair: E Pilot

Women's decision-making autonomy and IT utilization of antenatal care services: survey results from Jinja and Kampala cities, Uganda 3.00pm

Hasifah Kasujja Namatovu, Tonny Oyana and Jude Lubega

"We're raped and defiled cause they think we're into witchcraft": Examining the Health Impacts of Witchcraft Accusations Among Elderly Women in Uganda 3.20pm

Andrea Rishworth and Susan Elliott

Geographies of Post-disaster Psychological Well-being of Women after Gorkha earthquake, Nepal 3.40pm

Chandika Shrestha

Event-History Analysis of Determinants of Breastfeeding in Cambodia: Evident from Demographic and Health Survey 4.00pm

Mengieng Ung and Sheila Boamah

WEDNESDAY 3 JULY

FIELD TRIPS

Steamer Wharf 9.45am



QUINTESSENTIAL QUEENSTOWN

Get a sense of the beauty and grandeur of Queenstown with a cruise on the beautiful Lake Wakatipu narrated by a Ngai Tahu elder. We will explore quaint Arrowtown with time for lunch in its many cafes, bars and restaurants; explore the shops, historic Chinese settlement, or walk the banks of the Arrow River. Take a leap, zipline, or simply enjoy the scenery at the Kawarau Bridge Bungy Centre. Follow the path to Gibbston Valley Winery where we'll descend into a wine cave and taste the region's famous pinot noir and other varieties.



THE WHEELIE GREAT EXPERIENCE

Get a sense of the beauty and grandeur of Queenstown with a cruise on the beautiful Lake Wakatipu narrated by a Ngai Tahu local. We will explore quaint Arrowtown with time for lunch in its many cafes, bars and restaurants; explore the shops, historic Chinese settlement, or walk the banks of the Arrow River. Ditch the bus and cycle from Arrowtown through Gibbston Valley vineyards stopping at the Kawarau Bungy Centre or any cellar doors that catch your eye.



THE GUMBOOTS EXPERIENCE

Start the day with a walk along the banks of mirror-like Lake Hayes (approx. 40mins) before heading to Arrowtown. We will explore quaint Arrowtown with time for lunch in its many cafes, bars and restaurants; explore the shops, historic Chinese settlement, or walk the banks of the Arrow River. Your afternoon cruise will take you to Walter Peak High Country Farm for a taste of rural farm life. See sheep dogs at work, shearing, tour the farm and enjoy afternoon tea.

THURSDAY 4 JULY

Prof. Sarah Atkinson Toxic Wellbeing and Geography's Wholesome Tonic	8.30 AM icon
Assoc. Prof. Dr. David Conradson Settings for Life: the Significance of Recognition and Attunement for Emplaced Wellbeing	
Morning Tea	09:30 AM
Parallel Sessions	10:00 AM
Global health	icon 1
mGeoHealth: Emerging Applications of Location-Based Smartphone Applications in Health	icon 2
Community wellbeing	pounamu 1
Environmental determinants of intergenerational health	pounamu 2
Parallel Sessions	11:45 AM
Methods in spatial analysis	icon 1
Geographies of Injection drug use (IDU)	icon 2
Environmental health	pounamu 1
Understanding place through qualitative innovations	pounamu 2
Lunch	12:45 PM
Parallel Sessions	1:30PM
Moving food environment research forward	icon 1
Older adults' place-making	icon 2
Children's Geographies	pounamu 1
Area effects and cancer outcomes	pounamu 2
Afternoon Tea	2:50 PM
Parallel Sessions	3.10 PM
Food environments	icon 1
Innovations in researching older adults' activity spaces	icon 2
Water and Environmental Health	pounamu 1
Geographies of children and young people	pounamu 2
Gala dinner	5:15 PM

Session 9A: Global health

Session Chair: V Crooks

ICON 1

10.00am **What is the EU's role in the future European Global Health Policy?**
Thomas Krafft, Marie Contariuk, Michaela Told, Remco Van de Pas and Mathias Bonk

10.20am **HIV citizenship within dynamic environments**
Brian King

10.40am **The challenge of non-communicable diseases across Africa**
Joseph Oppong

11.00am **The impact of agroecology on household production diversity and dietary diversity: evidence from a five-year intervention project in Malawi**
Isaac Luginaah, Moses Kansanga, Rachel Bezner Kerr, Laifolo Dakishoni, Esther Lupafya, Lizzie Shumba and Catherine Hickey

11.20am **A story map of HIV care cascade along Uganda's Northern Transportation Corridor**
Diane Benbella and Debarchana Ghosh

Session 9B: mGeoHealth: Emerging Location-Based Smartphone Applications in Health

Session Chair: M Campbell

10.00am **mGeoHealth: What is it?**
Malcolm Campbell

10.20am **Stresscapes, over space and time: exploring the potential for dynamic neighbourhood resilience planning**

Ketan Shankardass, Martha Ta, Colin Robertson, Robert Feick, Oliver Gruebner, Suzanne Elayan, Martin Sykora, Krystelle Shaughnessy and Sierra Phillips

10.40am **Toward a time geography of the exposome**
Micheal Jerrett

11.00am **Every breath you take, every move you make: New steps towards the estimation of personal environmental exposure**
Lukas Marek, Malcolm Campbell, Simon Kingham, Malina Storer and Michael Epton

11.20am **Social media and negative emotions in New York City after a natural disaster**
Oliver Gruebner, Sarah Lowe, Martin Sykora, Ketan Shankardass, Sv Subramanian, Sandro Galea and Sven Lautenbach

ICON 2

THURSDAY 4 JULY, 10.00 AM-11.40 AM

Session 9C: Community wellbeing

Session Chair: C Milligan

The role of volunteering in developing community and personal wellbeing 10.00am

Ambika Malik, Susie Elder, Daniel Morrish, Simon Kingham, Malcolm Campbell and Clemence Vannier

Structural properties of very old adults' social relation and activity location networks 10.20am

Alexandre Naud, Kestens Yan and Sueur Cédric

Enabling assemblages which increase participation of disabled young people in Aotearoa/New Zealand 10.40am

Penelope Carroll and Karen Witten

Do our communities promote engagement and wellbeing for people with disability in Australia? A spatial analysis of Queensland and Victoria 11.00am

Ali Lakhani, Heidi Zeeman and Elizabeth Ainsworth

Making Connections: Networking and support for women with Rheumatoid Arthritis in Taranaki 11.20am

Valerie Milne, Robin Kearns and Rachael Walthew

Session 9D: Environmental determinants of intergenerational health

Session Chair: C Sabel

Revisiting syndemic theory in health and medical geography: An application in maternal and infant health 10.00am

Sue Grady

Environmental determinants of IVF treatment outcomes 10.20am

Chris Dibben and Tom Clemens

Are Islands Equigenic Places? Maternal residence on remote Scottish islands and its consequences for birthweight 10.40am

Kathryn Halliday, Tom Clemens and Chris Dibben

The effect of neighbourhood crime and deprivation on pregnancy outcomes using a quasi-experimental design 11.00am

Tom Clemens and Chris Dibben

Health Risk and the Rent Gap: Changing Birth Outcomes for Low-income Women in Gentrifying Neighborhoods 11.20am

Sara McLafferty

Session 10A: Determinants of physical activity

Session Chair: H Badland

11.45am **Does healthcare treatment effectiveness depend on the built environment? Research at the nexus of medical geography and precision medicine**

Shannon Zenk, Elizabeth Tarlov, Coady Wing and Stephen Matthews

12.05pm **Physical inactivity; determining the demographic and geographic factors using smartphone data**

Francesca Pontin, Nik Lomax, Michelle Morris and Graham Clarke

12.25pm **Who you are, where you live, and the opportunity to work locally**

Claire Boulange, Hannah Badland, Jonathan Arundel, Dharendra Singh, Suzanne Mavoa, Rebecca Bentley and Billie Giles-Cort

ICON 1

Session 10B: Geographies of Injection drug use

Session Chair: L Twigg

11.45am **Spatial patterning of opioid overdose deaths and coincidence with built environmental factors in Flint, Michigan, to optimize prevention and treatment sites**

Richard Sadler and Debra Furr-Holden

12.05pm **Patient travel patterns and high-risk opioid use: Doctor hopping and doctor shopping in Arkansas, USA**

Sean Young, Corey Hayes, Jonathan Aram and Mark Tait

12.25pm **Voluntary and constrained mobility of injection drug users in Montreal: health and safety issues**

Élaine Lesage-Mann and Philippe Apparicio

ICON 2

THURSDAY 4 JULY, 11.45 AM-12.45 PM

Session 10C: Environmental health

Session Chair: S Grady

Examining risk communication about radon exposure among selected Native American groups 11.45am

Dhitinut Ratnapradipa, Kendra Ratnapradipa and Victor White

Assessing and mitigating public health risks of Vertebrate Toxic Agent applications in Hawke's Bay (lightning talk) 12.05pm

Noel Watson

Well-being in neighbourhoods affected by aircraft noise – A soundscape analysis in the vicinity of Heathrow Airport 12.15pm

Julia Föllmer, Gemma Moore and Thomas Kistemann

POUNAMU 1

Session 10D: Understanding place through qualitative innovations

Session Chair: R Wilton

Walking through emotions: Can go-along interviews elicit rich narratives of place in studies of post-natal care? 11.45am

Sarah Lovell

Valuing Blue Space for Health & Wellbeing: Capturing place-based perspectives. 12.05pm

Ronan Foley, Maedhbh McNamara, Ailise Murphy and Fiona Dowler

Reflections on co-producing poetic representations in children's geographies of active school travel 12.25pm

Stephanie Coen, Christina Ergler, Kate Schieman, Katherine Wilson and Jason Gilliland

POUNAMU 2

THURSDAY 4 JULY, 1.30 PM-2.50 PM

Session 11A: Moving food environment research forward

Session Chair: S McLafferty

1.30pm **Why it is important to understand where food purchasing occurs**

Lukar Thornton, Karen Lamb, Neil Coffee, Kylie Ball and Mark Daniel

1.50pm **Supermarket loyalty card transactions in population dietary surveillance**

Victoria Jenneson, Michelle Morris, Clarke Graham and Darren Greenwood

2.10pm **Digital environments: the new frontier in food environment research**

Maartje Poelman, Lukar Thornton and Shannon Zenk

2.30pm **Spatial analysis of the built environment and food purchase behaviour patterns in the State of Kuwait**

Saad Alsharrah, Neil Coffee, Dari Alhuwail and Mark Daniel

ICON 1

Session 11B: Older adults' place-making

Session Chair: G Andrews

1.30pm **Beyond housing: Finding home after homelessness among older people experiencing homelessness**

Victoria Frances Burns and Christine Walsh

1.50pm **Linking precarity and wellbeing in the lives of older renters on Waiheke Island, New Zealand**

Robin Kearns, Laura Bates, Tara Coleman and Janine Wiles

2.10pm **Gardens as resources for achieving health and wellbeing in advanced age**

Janine Wiles, Philippa Miskelly, Oneroa Stewart, Merryn Gott, Ngaire Kerse and Ruth Teh

2.30pm **In the name of health: The mutual-support between older people and retailers in China's public open spaces**

Peiling Zhou and Sue Grady

ICON 2

THURSDAY 4 JULY, 1.30 PM-2.50 PM

Session 11C: Children's Geographies

Session Chair: C Ergler

Bringing children's voices to public space placemaking 1.30pm

Karen Witten and Penelope Carroll

Social and built geographies of children's active travel: Findings from Neighbourhoods for Active Kids 1.50pm

Melody Smith, Erika Ikeda, Rebecca Amann, Victoria Egli, Lisa Mackay, Jinfeng Zhao and Niamh Donnellan

The Great Disconnection: Children's activity space and their perceptions of nature 2.10pm

Daniel Rainham, Shannon Johnson, Jill McSweeney and Talha Awan

Synopsis of multiple studies of children's everyday lives: exploring both positive and negative visual exposures 2.30pm

Amber Pearson, Timothy Chambers, Moira Smith, James Stanley, Michelle Barr, Cliona Ni Mhurchu and Louise Signal

Session 11D: Area effects and cancer outcomes

Session Chair: S Mavoa

Spatial temporal patterns of the incidence of breast cancer in New Zealand: An entire national population study between 2000 and 2015 1.30pm

Jinfeng Zhao, Sandar Tin Tin and Mark Elwood

Mortgage discrimination by race, ethnicity, and place and implications for cancer disparities in the United States 1.50pm

Kristen Beyer, Yuhong Zhou, Purushottam Laud, Emily McGinley, Tina Yen, Theresa Osypuk, Kori Schneider-Peragine and Ann Nattinger

Using residential histories to estimate area-based poverty: An exploratory analysis of colon cancer survival in New Jersey 2.10pm

Daniel Wiese, Kevin Henry, Antoinette Stroup, Aniruddha Maiti, Gerald Harris and Slobodan Vucetic

Variations in colorectal cancer survival by socio-demographic characteristics and area type 2.30pm

Charlotte Sturley, Amy Downing, Paul Norman and Michelle Morris

THURSDAY 4 JULY, 3.10 PM-4.30 PM

Session 12A: Food environments

Session Chair: S Zenk

ICON 1

3.10pm **Healthy campus: Dietary patterns and active transportation of students in Tsinghua University, China (lightning talk)**

Na Cong and Peng Gong

3.20pm **What is the role of self-control and financial strain in the association between the food environment and body weight?**

Joreintje Mackenbach, Marielle Beenackers, Mark Noordzij, Joost Oude Groeniger, Jeroen Lakerveld and Frank van Lenthe

3.40pm **Neighbourhood fast food access and fast food consumption across the social gradients**

Clara Kaufmann, Leia Minaker, Michael Widener, Kaberi Dasgupta and Nancy Ross

4.00pm **The relationship between housing types and food expenditure in Australia: a cross-sectional analysis (lightning talk)**

Laura Oostenbach and Lukar Thornton

Session 12B: Innovations in researching older adults' activity spaces

Session Chair: I Atherton

ICON 2

3.10pm **Using the concept of activity space to understand the social health of older adults living at home with memory issues**

Jodi Sturge

3.30pm **Exploring the everyday routines, interactions and experiences of older people in Dublin: to what extent does their local environment support 'ageing well'?**

Hannah Grove, Jan Rigby and Catriona Murphy

3.50pm **Older adults experiences of mobility and falling in urban environments**

Angela Curl, Helen Fitt, Rita Dionisio-McHugh and Melanie Tomintz

4.10pm **A socio-spatial analysis of outdoor falls among older adults**

Alison Watkins, Angla Curl, Melanie Tomintz, Verity Oliver, Bridget Dicker and Suzanne Mavoia

TUESDAY 2 JULY, 3.10 PM-4.30 PM

Session 12C: Water and Environmental Health

Session Chair: K Beyer

Environmental control of diseases: quantitative survey of the impact of well-drilling on Buruli ulcer 3.10pm

Sebastien Fleuret, Horace Degnonvi, Estelle Marion and Laurent Marsollier

Geospatial and temporal attributes of the 2016 Havelock North Campylobacter Outbreak 3.30pm

Nicholas Jones, Graham Mackereth, Tiffany Walker, Brent Gilpin, Shevaun Paine, Stephen Swabey and Craig Thew

Occurrence and spread of antibiotic-resistant bacteria in the aquatic environment through clinical and municipal wastewater 3.50pm

Heike Mueller, Nicole Zacharias, Christian Timm, Ricarda Schmithausen, Martin Exner, Christiane Schreiber and Thomas Kistemann

Measuring spillover effects from drinking water interventions: A case study of deep tubewells in Rural Bangladesh 4.10pm

Varun Goel and Michael Emch

Session 12D: Geographies of children and young people

Session Chair: S Coen

Health, space and relationships for children and youth in African street contexts 3.10pm

Janine Hunter, Lorraine van Blerk and Wayne Shand

'Fear of missing out': social media use and the mental health of young people 3.30pm

Liz Twigg, Craig Duncan and Scott Weich

'Yes, it's fun, but ...': Young people share their experiences of participating in a cycle skills training programme 3.50pm

Christina Ergler, Charlotte Flaherty and Sandra Mandic

Analysis of interaction of constraints to sport participation among female adolescents 4.10pm

Caroline Barakat-Haddad, Irmina Klicnik, Nick Wattie and Shilpa Dogra

FRIDAY 5 JULY

Prof. Susan Elliott

8.30 AM

Geographies of Bearing Witness: The Science of Knowledge Translation in Global Health Research

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Morning Tea

09:25 AM

Parallel Sessions

09:45 AM

Health geography in New Zealand and Australia: Global integration, similarities and differences (panel discussion)

icon 2

Capacity building in healthcare settings

pounamu 1

Understanding spatial patterns in disease risk

pounamu 2

Parallel Sessions

11:10 AM

Enhancing liveability

icon 2

Publishing in health geography

pounamu 1

Perspectives on care

pounamu 2

Farewell lunch, Icon Room

12:35 PM

Session 13A: Health geography in New Zealand and Australia: Global integration, similarities and differences

Session Chairs: G Moon, C Sabel & R Kearns

Panellists: S Mavoa, N Coffee, K Witten & S Kingham

This panel will reflect on the hallmarks of an emergent and distinctive Australian and New Zealand (NZ) health geography over the last 30 years.

FRIDAY 5 JULY, 9.45AM-11.05 AM

Session 13B: Capacity building in healthcare settings

Session Chair: S Lovell

Cuba in the Pacific: Solidarity and capacity building in health and development 9.45am

Sharon McLennan, Robert Huish and Helen Leslie

"They don't have the history and the stature": Examining perceptions of Caribbean offshore medical schools held by Canadian medical educators 10.05am

Valorie Crooks, Jeffrey Morgan, Jeremy Snyder and John Pickering

Do No Harm: The impact of health systems decentralization in rural honduras 10.25am

Elisabeth Root, Krister Andersson, Alan Zarychta, Bertha Bermudez Tapia, Tara Grillos and Jane Menken

Global health's darkest secret: The geographic illiteracy of Africa's cancer epidemic 10.45am

Robert Huish

Session 13C: Understanding spatial patterns in disease risk

Session Chair: J Oppong

A simulation approach to selecting a Rate-Adjustment Method: Comparing cancer and suicide 9.45am

Katherine Lester

Mapping stroke risk factors and services across Canada 10.05am

Lauren Jewett and Michael Widener

Long-Term spatiotemporal changes in endemic threshold populations in England & Wales - A Multi-Disease study 10.25am

Alastair Munro

Variations in knee arthroscopy: a population-based study of New South Wales hospital episode-level data (lightning talk) 10.45am

Yingyu Feng, Tim Badgery-Parker, Adam Elshaug and David Hunter

Session 14A: Enhancing Liveability

Session Chair: S Kingham

11.10am **A geographical analysis of the built environment and Type 2 Diabetes Mellitus in urban New Zealand**

Jesse Wiki, Simon Kingham and Malcolm Campbell

11.30am **Healthy high-rise? An audit of apartment design guidelines and their potential to promote health and wellbeing (lightning talk)**

Sarah Foster, Paula Hooper, Alex Kleeman and Billie Giles-Corti

11.40am **Housing, health and urban development policy for an aging population: The case of Ontario's Greater Golden Horseshoe**

James Dunn

12.00pm **What is the meaning of urban liveability for a city in a low- or middle-income country? Contextualising liveability for Bangkok, Thailand**

Hannah Badland, Amanda Alderton, Melanie Davern, Kornsupha Nitvimol, Carl Higgs, Iain Butterworth and Elizabeth Ryan

FRIDAY 5 JULY, 11.10 AM-12.30 PM

Session 14B: Publishing in Health Geography

Session Chair: R Kearns

Panel: Allison Williams, Christine Milligan, Susan Elliott and Valorie Crooks,

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Session 14C: Perspectives on Care

Session Chair: J Wiles

Evaluation of a caregiver-friendly workplace program intervention on the health of full-time caregiver employees: a time series analysis of intervention effects 11.10am

Regina Ding, Anastassios Dardas, Li Wang and Allison Williams

Shifting the management of home-based care for older people with long-term conditions through combinatorial health technologies: the Lancashire Care Innovation Alliance Test Bed 11.30am

Christine Milligan, Sandra Varey, Ceu Mateus, Tom Palmer, Mandy Dixon and Alejandra Hernandez

The effect of person-centred care in hospital wards across West-Sweden 11.50am

Cornelia van Diepen, Gunnel Hensing, Monica Bertilsson, Andreas Fors and Inger Ekman

What are the implications of retirement migration for informal care at the end of life? An analysis of linked Scottish census and administrative data 12.10am

Iain Atherton, Anna Schneider, Annetta Smith, Hugo van Woerden, Deirdre McLaughlin, David Henderson and Janni Leung

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