WUN RESEARCH DEVELOPMENT FUND
Information on University of Alberta (UAAlberta) recipients and collaborators

2018 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

African Child and Youth Health in the Context of Migration and Displacement
PI: Dr. Bukola Salami – Associate Professor, Faculty of Nursing
WUN partners: University of Auckland, University of Cape Town, University of Ghana, Maastricht University, University of Massachusetts Amherst, University of Rochester, University of Sheffield, University of Sydney, University of Western Australia

Modelling Microplastic Waste Transport in Rivers and the Coastal Oceans
PI: Dr. Bruce Sutherland – Professor, Department of Physics and Earth & Atmospheric Sciences
WUN partners: University of Auckland, University of Western Australia

UALBERTA COLLABORATORS

Climate resilient African landscapes
PI: Sheona Shackleton, Deputy Director, African Climate and Development Initiative, University of Cape Town
UALberta Collaborator: Dr. MK Luckert – Professor, Resource Economics & Environmental Sociology

Intercultural Communication in Interaction: multimodal approaches
PI: Dr. Ulrike Schröder – Universidade Federal de Minas Gerais, Belo Horizonte
UALberta Collaborator: Dr. Jennifer Dailey-O’Cain – Professor, Modern Languages and Cultural Studies

Family costs of palliative and end of life care: setting the global research agenda
PI: Dr. Merryn Gott – Professor, Health Sciences, University of Auckland
UALberta Collaborator: Dr. Konrad Fassbender – Assistant Professor, Oncology

Migrants’ Decision Making in the Context of Shifting Migration Regimes
PI: Dr. Majella Kilkey – Co-Director Migration Reader Group and Reader in Social Policy, Department of Sociological Studies, University of Sheffield
UALberta Collaborator: Dr. Amy Kaler – Assistant Chair, Sociology

2017 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

Facilitating international research collaboration between economists working on the integration of renewable generation into electricity markets
PI: Dr. David Brown – Assistant Professor, Economics
WUN partners: University of Auckland
UALBERTA COLLABORATORS

Health Education Literacy and Mobility for Musicians: A global approach
PI: Dr. Suzanne Wijsman – Associate Professor, Faculty of Arts, Business, Law and Education, University of Western Australia
UALberta Collaborator: Dr. Christine Guptil – Assistant Professor, Faculty of Rehabilitation

Communicating Good Health and Wellbeing: Promotion, Advocacy and Resilience
PI: Dr. Rob Cover – Associate Professor, School of Social Sciences, University of Western Australia
UALberta Collaborator: Dr. Philomina Okeke-Ihejirika – Professor, Women’s & Gender Studies

2016 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

No UAlberta led WUN RDF projects.

UALBERTA COLLABORATORS

Social remittances, health and well-being
PI: Dr. Sarah Salway, Professorial Research Fellow, Professor of Public Health, University of Sheffield
UALberta Collaborator: Dr. Zubia Mumtaz, Associate Professor, School of Public Health

Impacts of Legume Research and Development on Developing Countries
PI: Dr. Hon Ming Lam – Professor, School of Life Sciences, Chinese University of Hong Kong
UALberta Collaborator: Dr. Sven Anders – Professor, Agricultural, Life and Environmental Sciences

Migration Policy, Welfare Boundary, Social Integration & Health-related Quality of Life of Children from Immigrant Families
PI: Dr. Qiaobing Wu – Assistant Professor, Chinese University of Hong Kong
UALberta Collaborator: Dr. Philomina Okeke-Ihejirika – Professor, Women’s & Gender Studies; Dr. Reza Hasmath – Professor, Political Science

Hidden Voices: Exploring the health experiences of children who migrate
PI: Dr. Jill Thompson – Lecturer, School of Nursing & Midwifery, University of Sheffield
UALberta Collaborator: Dr. Bukola Salami – Assistant Professor, Faculty of Nursing

Assessment and intervention technologies for the movement ability of older adults
PI: Dr. Gangmin Ning – Professor, Biomedical Engineering, Zhejiang University
UALberta Collaborator: Dr. Eleni Stroulia – Professor, Computing Science; Dr. Lili Liu – Chair, Faculty of Rehabilitation

2015 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

No UAlberta led WUN RDF projects.
UALBERTA COLLABORATORS

Sustainable Care: Connecting People and Systems
PI: Dr. Sue Yeandle – Professor, Professor of Sociology and Director of Centre for International Research on Care, Labour & Equalities (CIRCLE), University of Sheffield
UAlberta Collaborator: Dr. Janet Fast – Professor, Department of Human Ecology, Faculty of Agricultural, Life, and Environmental Sciences (ALES)

Sustainable Care: Connecting People and Systems
PI: Dr. Mindel van de Laar – PhD director Governance and Policy Analysis (GPAC2), Maastricht Graduate School of Governance Maastricht University/UNU-MERIT, University of Maastricht
UAlberta Collaborator: Dr. Bukola Salami - Assistant Professor, Faculty of Nursing; Dr. Margaret Law - Director, External Relations, University of Alberta Libraries

2014 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

Himalayan climate change: debris covered glacier response, water availability, biodiversity, and ecosystem response
PI: Dr. Andrew Bush – Professor, Department of Earth and Atmospheric Sciences
WUN partners: Chinese University of Hong Kong, University of Leeds, University of Sheffield, and University of Western Australia

Optimal Pregnancy Environment Risk Assessment (OPERA)
PI: Dr. David Olson – Professor, Department of Obstetrics and Gynecology
WUN partners: University of Auckland, University of Bergen, University of Bristol, University of Leeds, University of Sydney, University of Western Australia, and Zhejiang University

UALBERTA COLLABORATORS

Addressing multiple forms of migrant precarity – beyond ‘management’ of migration to an integrated rights-based approach
PI: Dr. Nicola Piper – Professor, Department of Sociology and Social Policy, University of Sydney
UAlberta Collaborator: Dr. Bukola Salami – Assistant Professor, Faculty of Nursing

Climate change: understanding systemic shocks in integrated infrastructures
PI: Dr. Nick Taylor-Buck – Research Associate, Department of Town and Regional Planning, University of Sheffield
UAlberta Collaborator: Dr. Evan Davies – Assistant Professor, Department of Civil and Environmental Engineering

Feasibility study of recommender systems in academia
PI: Dr. Evgueni Smirnov – Assistant Professor, Department of Knowledge Engineering, Maastricht University
UAlberta Collaborator: Dr. Osmar Zaiane – Professor, Department of Computing Science
Health promoting responses to climate change
PI: Dr. Ralph Maddison – Associate Professor, National Institute for Health Innovation, University of Auckland
UAlberta Collaborators: Dr. Amit Kumar – Professor, Department of Mechanical Engineering; Dr. John C. Spence – Associate Dean (Research), Faculty of Physical Education and Recreation

Labour market outcomes among highly skilled immigrants and return migrants: the role of place of education
PI: Dr. Yuying Tong – Associate Professor, Department of Sociology, Chinese University of Hong Kong
UAlberta Collaborator: Dr. Gillian Stevens – Professor, Department of Sociology

Legumes as the hub of diversification and adaptation to climate change in Mediterranean agriculture
PI: Dr. Michael Considine – Lecturer, School of Plant Biology, University of Western Australia
UAlberta Collaborator: Dr. Jocelyn Ozga – Professor, Department of Agricultural, Food and Nutritional Science

Multilingualism and mobility in the northern and southern hemispheres
PI: Dr. Kristine Horner – Multilingualism/Endowed Chair and Director of the Centre for Luxembourg Studies, University of Sheffield
UAlberta Collaborator: Dr. Jennifer Dailey-O’Cain – Professor, Department of Modern Languages and Cultural Studies

Understanding the impact of migration on health: synthesizing the evidence, improving methods and reviewing current policies
PI: Dr. Yoav Ben-Shlomo – Professor, School of Social and Community Medicine, University of Bristol
UAlberta Collaborator: Dr. Bukola Salami – Assistant Professor, Faculty of Nursing

2013 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

67,000 more helping hands: An international collaboration to further engage pharmacists in improving primary healthcare
PI: Dr. Ross Tsuyuki – Professor, Department of Medicine
WUN partners: University of Auckland, University of Sydney

UALBERTA COLLABORATORS

Global Farm Platforms for Optimization of Grazing Livestock Production Systems
PI: Dr. Mark Eisler – Chair in Global Farm Animal Health, University of Bristol
UAlberta Collaborator: Dr. Ellen Goddard – Professor, Department of Resource Economics and Environmental Sociology

Indigenous research network
PI: Dr. Catriona Elder – Associate Professor, Sociology and Social Policy, University of Sydney
UAlberta Collaborator: Dr. Makere Stewart-Harawira – Associate Professor, Educational Policy Studies
2012 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

Evaluating the potential for urban agriculture to enhance food security in response to climate change
PI: Dr. Debra Davidson – Professor, Department of Renewable Resources
WUN partners: Chinese University of Hong Kong, University of Auckland, University of Leeds, University of Western Australia

Older workers and caregiving: statistical evidence from the UK, Australia, and Canada
PI: Dr. Janet Fast – Professor, Department of Human Ecology
WUN partners: University of Leeds, University of Sydney

UALBERTA COLLABORATORS

Bridging health promotion and sustainability science: transition to the green economy
PI: Dr. Maurice Mittelmark – Professor, Department of Health Promotion and Development, University of Bergen
UALberta Collaborator: Dr. Jane Springett – Professor and Director, Centre for Health Promotion Studies

The impact of climate change on the socio-ecology of animals: effects on epidemic disease spread and species invasion
PI: Dr. Luca Giuggioli – Senior Lecturer, Complexity Sciences, University of Bristol
UALberta Collaborator: Dr. Mark Lewis – Professor, Department of Biological Sciences

Migration with and without children: causes and economic, social, and psychological consequences
PI: Dr. Junsen Zhang – Professor, Department of Economics, Chinese University of Hong Kong
UALberta Collaborator: Dr. Runjuan Liu – Associate Professor, Alberta School of Business

Pregnancy exposome and fetal growth restriction
PI: Dr. Phil Baker – Professor, Maternal and Fetal Health, University of Auckland
UALberta Collaborator: Dr. David Olson – Professor, Department of Obstetrics and Gynecology

Comparative analysis of international refugee resettlement international law obligations and policy
PI: Dr. Chris Mahoney – Deputy Director, New Zealand Centre for Human Rights Law, Policy and Practice, University of Auckland
UALberta Collaborator: Dr. Anna Kirova – Professor, Department of Elementary Education; Dr. Philomena Okeke-Ihejirika – Professor, Department of Women’s and Gender Studies

WUN international inflammation network (in-FLAME)
PI: Dr. Susan Prescott – Professor, School of Pediatrics and Child Health, University of Western Australia
UALberta Collaborator: Dr. Anita Kozyrskyj – Associate Professor, Department of Pediatrics
Reducing inequality in oral health  
**PI:** Dr. Linda Slack-Smith – Professor, School of Dentistry, University of Western Australia  
**UAlberta Collaborator:** Dr. Maryam Sharifzadeh-Amin – Associate Professor, School of Dentistry

### 2011 RESEARCH DEVELOPMENT FUND RECIPIENTS

#### UALBERTA PRINCIPLE INVESTIGATORS

**International Symposium on Maternity and Immigration**  
**PI:** Dr. Gina Higginbottom – Professor, Faculty of Nursing  
**WUN partners:** University of Leeds, University of Sheffield, University of Sydney

**Invasive species under climate change: economic impacts**  
**PI:** Dr. Linda Hall – Professor, Department of Agricultural, Food and Nutritional Science  
**WUN partners:** University of Auckland, Pennsylvania State University, University of Southampton, University of Sydney, University of Western Australia

#### UALBERTA COLLABORATORS

**Geographies of power: justice, revolution, and the cultural imagination**  
**PI:** Dr. Sophia A. McClennen – Professor, School of International Affairs, Pennsylvania State University  
**UAlberta Collaborator:** Dr. George Pavlich – Professor, Faculty of Law

**Ice sheet and climate interaction - implications for coastal engineering**  
**PI:** Dr. Mark Siddall – Research Fellow, Department of Earth Sciences, University of Bristol  
**UAlberta Collaborator:** Dr. John England – Professor, Department of Earth and Atmospheric Sciences

**Lessons for Life: innovating and evaluating school age health education interventions for the prevention and control NCDs**  
**PI:** Dr. Marcus Grace – Southampton Education School, University of Southampton  
**UAlberta Collaborator:** Dr. Paulus Veugelers – Professor, Public Health Sciences

**Media, tobacco, and trade: innovative approaches to reducing non-communicable disease in the Pacific**  
**PI:** Dr. Judith McCool – Senior Lecturer, Department of Social and Community Health, University of Auckland  
**UAlberta Collaborator:** Dr. John Church – Associate Professor, School of Public Health

**Navigating from below: patients shaping health systems to address NCDs**  
**PI:** Professor Stephanie Short – Head of the Discipline of Behavioral and Social Sciences Short; Dr. Kirsten Harley – PDF, Health Systems and Global Populations Research Group, University of Sydney  
**UAlberta Collaborator:** Dr. Trish Raey – PDF, Health Systems and Global Populations

**State and society and the uses of culture in china**  
**PI:** Dr. Gray Sigley – Asian Studies, University of Western Australia  
**UAlberta Collaborator:** Dr. Gordon Houlden – Director, China Institute
WUN global health literacy network: the role of health literacy in addressing the social determinants of NCDs
PI: Dr. Sian Smith – PDF, School of Public Health, University of Sydney
UIAlberta Collaborator: Dr. Jane Springett – Professor and Director, Centre for Health Promotion Studies

2010 RESEARCH DEVELOPMENT FUND RECIPIENTS

UAlberta Principle Investigators

Global social initiative in aging (GSIA)
PI: Dr. Norah Keating – Professor, Department of Human Ecology
WUN partners: University of Sydney, University of Leeds, University of Cape Town, Nanjing University

Characterizing space radiation and its impact on climate change
PI: Dr. Ian Mann – Professor, Department of Physics
WUN partners: University of Leeds and University of Bergen.

UAlberta Collaborators

Public health and climate change - combining climate change and chronic disease prevention
PI: Dr. Ruth Colagiuri – Associate Professor, Health and Sustainability Unit, University of Sydney
UAlberta Collaborator: Dr. Colin Soskolne – Professor, School of Public Health

Putting new paradigms into practice: transatlantic lessons in population health improvement
PI: Dr. Tom Oliver – Professor, Population of Health Sciences, University of Wisconsin-Madison
UAlberta Collaborators: Dr. Ken Zakariasen – Professor, School of Public Health

Early life opportunities for the prevention of noncommunicable disease in developing countries
PI: Dr. Mark Hanson – Professor, Academic Unit of Human Development and Health, University of Southampton
UAlberta Collaborator: Dr. Art Quinney – Professor Emeritus, Department of Physical Education and Recreation; Dr. Paul Veugelers – Director, Population Health Intervention Research Unit; Dr. John Spence, Associate Dean, Faculty of Physical Education and Research; Dr. David Olson – Professor, Department of Obstetrics and Gynecology; Dr. Tanya Berry – Professor, Faculty of Physical Education and Recreation

2009 RESEARCH DEVELOPMENT FUND RECIPIENTS

UAlberta Principle Investigators

Xeno-racism and extremism
PI: Dr. Andy W. Knight – Professor, Department of Political Science
WUN partners: University of Leeds, University of Southampton, University of Sheffield
**UALBERTA COLLABORATORS**

*Gender and climate change*

**PI:** Dr. Nancy Tuana – Professor of Ethics, Penn State University  
**UAlberta Collaborator:** Dr. Naomi Krogman – Associate Professor, Department of Resource Economics and Environmental Sociology

*Arctic environments: vulnerabilities and opportunities AEVO*

**PI:** Dr. Katherine Arrell – Faculty of Environment, School of Geography, University of Leeds  
**UAlberta Collaborator:** Dr. Marianne Douglas – Director, Circumpolar Institute

*Medieval plays in modern performance (2MP)*

**PI:** Professor Pamela King – Professor, Department of English, University of Bristol  
**UAlberta Collaborator:** Dr. Garrett Epp – Professor, Department of English and Film Studies

*Nanotechnology for healthcare*

**PI:** Dr. Maurits de Planque – Faculty of Engineering, Science and Mathematics, University of Southampton  
**UAlberta Collaborator:** Dr. Chris Backhouse – Professor and Director, Engineering Physics Program, Department of Electrical and Computer Engineering

*Sea level, ice sheets and isostasy*

**PI:** Dr. Mark Siddall – Research Fellow, Department of Earth Sciences, University of Bristol  
**UAlberta Collaborator:** Dr. John England – Professor, Department of Earth and Atmospheric Sciences

*Global warming effects on pathogen behavior and implications for world food security: case studies relating to choices of Brassica crops to cope with abiotic stresses*

**PI:** Dr. Martin Barbetti – Professor, School of Plant Biology, University of Western Australia  
**UAlberta Collaborator:** Dr. Stephen Strelkov – Professor, Department of Agricultural, Food and Nutritional Science