WUW RESEARCH DEVELOPMENT FUND
Information on University of Alberta (UALberta) recipients and collaborators

2020 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

Norms, standards, and enforcement of the COVID-19 International Certificate of Vaccination
PI: Dr. Whitfield Andy Knight, Professor, Department of Political Science
WUN Partners: University of Auckland, University of Sheffield, University of Western Australia

Impact of the COVID-19 Pandemic on Adolescents’ Sexual and Reproductive Health in Low- and Middle-Income Countries.
PI: Dr. Salima Meherali, Assistant Professor, Faculty of Nursing
WUN Partners: University of Ghana, University of Sheffield, Universidade Federal de Minas Gerais

MommyDaddyCovid Stress Study.
PI: Dr. David Olson, Professor, Departments of Obstetrics & Gynecology, Pediatrics and Physiology
WUN Partners: University of Massachusetts, University of Rochester, University of Southampton

UALBERTA COLLABORATORS

Exploring the changing social networks of low-income migrants in post-COVID cities: Implications on community-based health infrastructure
PI: Dr. Yiming Wang, University of Bristol
UALberta collaborator: Dr. Bukola Salami, Faculty of Nursing
Research Team: University of Alberta, University of Bristol; The Chinese University of Hong Kong; National Cheng Kung University; University of York; Zhejiang University

Gendering Public Health - Women’s Leadership in the context of COVID-19
PI: Dr. Roberta Guerrina, University of Bristol
UALberta collaborator: Dr. Denise Spitzer, School of Public Health
Research Team: University of Alberta, The University of Auckland; University of Bristol; The Chinese University of Hong Kong; University of Ghana; Maastricht University; University of York

Global comparative assessment of the role of oceans in a sustainable future
PI: Dr. Susan Gourvenec, University of Southampton
UALberta collaborator: Dr. Ryan Li, Faculty of Engineering
Research Team: University of Alberta, The University of Auckland; University of Bergen; University of Cape Town; The Chinese University of Hong Kong; University of Lausanne; University of Southampton; The University of Western Australia

Heritage and Climate Change: The state of the research on climate change-induced impacts to cultural landscapes
PI: Dr. Elizabeth Brabec, University of Massachusetts Amherst
UALberta collaborator: Dr. Florence Glanfield – Faculty of Education/ Brenda Parlee, Faculty of ALES
Research Team: University of Alberta, The University of Auckland; University of Bristol; University College Dublin; University of Massachusetts Amherst
Life Below Water: Using Fish as Global Indicators of Microplastics

PI: Dr. Adrian Jordaan, University of Massachusetts Amherst

UAlberta collaborator: Dr. Greg Goss, Faculty of Science

Research Team: University of Alberta, University of Bergen; University of Ghana; University of Massachusetts Amherst; National Cheng Kung University; University of Southampton; The University of Western Australia

2019 RESEARCH DEVELOPMENT FUND RECIPIENTS

UALBERTA PRINCIPLE INVESTIGATORS

Global Research Network on the Economic Empowerment of Women (ReNEW)

PI: Dr. Rhonda Breitkreuz, Professor, Department of Human Ecology

WUN Partners: University College Dublin; Universidade Federal de Minas Gerais; University of Ghana; The University of Sydney

UALBERTA COLLABORATORS

Addressing the impact of heatwaves and drought on food security

PI: Dr. Yoselin Benitez-Alfonso, University of Leeds

UAlberta collaborator: Dr. Jocelyn Ozga, Department of Agricultural, Food and Nutritional Science.

Research Team: University of Alberta; The University of Auckland; Universidade Federal de Minas Gerais; The Chinese University of Hong Kong; University of Leeds; University of Massachusetts Amherst; National Cheng Kung University; The University of Sheffield; University of Southampton; The University of Western Australia; University of York; Zhejiang University

Climate-Induced Migration: Global Scope, Regional Impacts and National Policy Frameworks

PI: Dr. Andreas Neef, University of Auckland

UAlberta collaborator: Dr. Bukola Oladunni Salami, Faculty of Nursing

Research Team: University of Alberta; The University of Auckland; University of Bristol; University College Dublin; University of Ghana; Maastricht University; University of Massachusetts Amherst; University of Rochester; University of Southampton; Tecnologico de Monterrey; The University of Western Australia; University of York

!Gâ re – Rangatiranga – Dadirri : Decolonizing the 'capture of knowledge'

PI: Dr. June Bam-Hutchison, University of Cape Town

UAlberta collaborator: Dr. Florence Glanfield, Department of Secondary Education.

Research Team: University of Alberta; The University of Auckland; University of Bristol; University of Cape Town; University of Ghana; University of Massachusetts Amherst; The University of Sydney; The University of Western Australia; University of York; Zhejiang University

Innovating the mathematics curriculum in times of change: towards local and global relevance

PI: Dr. Alf Coles, University of Bristol

UAlberta collaborator: Dr. Elaine Simmt, Department of Secondary Education.

Research Team: University of Alberta; University of Bristol; University of Cape Town; The Chinese University of Hong Kong

WUN Health Humanities initiative: towards the development of the patient-centred and compassionate Health Professional through education
PI: Dr. Sandra Carr, University of Western Australia  
UAlberta collaborator: Dr. Pamela Brett-MacLean, Department of Psychiatry  
Research Team: University of Alberta; University of Cape Town Maastricht University; The University of Sydney; The University of Western Australia

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 Wijisman – 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-iheijirika – 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-iheijirika – 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

Revised February 2021
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

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**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. Philomina Okeke-Iheijirika – 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
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
UAAlberta 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
UAAlberta 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
UAAlberta 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
UAAlberta 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