

WUN 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 Breitzkreuz, 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 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. Philomina 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

UALberta 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