

## 2022 GLOBAL INCUBATOR SEED GRANT RECIPIENTS

This year's awards are in partnership with the Office of the Provost. Projects are in three focus areas aligned with "Here and Next", the universitywide strategic plan.



**20** WashU Research Teams

**16** Countries

**~\$500,000**  
AWARDED

### Public Health

**Su-Hsin Chang** School of Medicine  
Surgery  
*Equitable cancer prevention and control: an evidence-based pilot study on multiple myeloma*  
TAIWAN (ROC)  
National Taiwan University

**Mark Huffman** School of Medicine  
Global Health Center  
*Enhancing Intergenerational Health in Nigeria: Peripartum as Critical Life Stage for Cardiovascular Health (ENHANCE-CVH)*  
**Victor Davila-Roman** NIGERIA  
University of Abuja

**Lori Markson** Arts & Sciences  
Psychological & Brain Sciences  
*Thinking about the common good: A cross-cultural developmental study*  
CHINA  
Tsinghua University

**E.A. Quinn** Arts & Sciences; Brown School  
Anthropology; Public Health  
*Testing an association between nutrition during pregnancy, human milk composition, and infant brain development during the first three months of life in a low resource community in El Quinche, Ecuador*  
ECUADOR  
Universidad San Francisco de Quito

**Dominic Reeds** School of Medicine  
Geriatrics and Nutritional Science  
*Assessment of metabolic phenotypes of adults with Type 2 Diabetes in Rwanda*  
RWANDA  
University of Rwanda Rwamagana Provincial Hospital

**Ozge Sensoy Bahar** Brown School; Sam Fox School  
Social Work; College of Art  
*Say No to Stigma-Round 2: Pilot testing the impact of visuals designed to reduce mental health stigma among primary school students in Uganda*  
UGANDA  
**Penina Acayo Laker**  
**Proscovia Nabunya** Makerere University, College of Health Sciences

**Michael Sherraden** Brown School  
Center for Social Development  
*Asset Building for Child Health: Pilot Test of Child Development Accounts (CDAs) for Children with Autism in China*  
CHINA  
Peking University; Tsinghua University; Beijing City University; China Central University of Finance and Economics; NYU Shanghai

**Anna Wilke** Arts & Sciences  
Political Science  
*How Does Girls' Empowerment Affect Boys? Two Field Experiments on Cross-gender Spillover Effects of Public Health Campaigns*  
MEXICO, UNITED KINGDOM, NIGERIA  
Tecnológico de Monterrey; University of Nigeria; Birkbeck, University of London

**Tianyu Zhao** School of Medicine  
Radiation Oncology  
*Implementing a Customized and Expedited Workflow for Radiation Therapy Treatment in Uganda*  
UGANDA  
Makerere University, Uganda Cancer Institute

### Environmental Research

**Wyly Brown** Sam Fox School  
College of Architecture  
*Bamboo poles as a sustainable structural material alternative for contemporary innovative mid-span design*

COSTA RICA  
Instituto Tecnológico de Costa Rica

**Jonathan Losos** Arts & Sciences  
Biology  
*Stable Isotope Analyses of Diets in Native and Introduced Doves of New York City and Hong Kong*

HONG KONG (SAR, CHINA)  
University of Hong Kong

**Jay Turner** McKelvey School of Engineering  
Energy, Environmental & Chemical Engineering  
*Developing Conceptual Models for Air Quality in Uzbekistan*

UZBEKISTAN  
Tashkent Institute of Irrigation and Agricultural Mechanization Engineers-National Research University

**Hongxi Yin** Sam Fox School  
InCEES; College of Architecture  
*Improving Sustainability of Stormwater Management Through International Collaboration and Learning: How Can St. Louis Learn from China's Sponge City Initiative?*

CHINA  
Peking University

**Joshua Yuan** McKelvey School of Engineering  
Energy, Environmental & Chemical Engineering  
*Advancing Innovative Chem-Bio Interfaces for Efficient Carbon Capture and Utilization*

HONG KONG (SAR, CHINA)  
Chinese University of Hong Kong

### Digital Transformation

**Patrick Crowley** McKelvey School of Engineering  
Computer Science  
*Energy Efficiency via the Sync Model of Communication*

FINLAND  
University of Helsinki

**Nathan Jacobs** McKelvey School of Engineering  
Computer Science  
*Learning-Based Visual Event Demarcation*

BRAZIL  
University of Campinas

**Zhao Ma** Arts & Sciences; Washington  
University Libraries  
East Asian Languages and Cultures  
*The Sound of Mao's Last Revolution: Information Technology and Political Communication in Socialist China, 1966-1978*

**Joan Wang**

CHINA  
Fudan University; University of Macau

**Margit Tavits** Arts & Sciences  
Political Science  
*The Behavioral and Attitudinal Effects of Voter ID*

UNITED KINGDOM; UNITED STATES  
University of Oxford; Rice University

**Renee Thompson** Arts & Sciences  
Psychological & Brain Sciences  
*Social Media Use and Healthy Adolescent Development: A Multi-Method Investigation*

AUSTRALIA  
University of Melbourne

**William Yeoh** McKelvey School of Engineering  
Computer Science  
*Understanding and Accounting for Human Behavior and Beliefs in Human-AI Collaboration*

**Chien-Ju Ho**

ISRAEL  
Technion-Israel Institute of Technology