



# 2024 GLOBAL INCUBATOR SEED GRANT RECIPIENTS



20 WashU Research Teams

17 Countries

~\$500,000 AWARDED

Awarded projects are in five focus areas aligned with the "Here and Next" Strategic Plan.

## Environmental Research

**Gang Wu** **McKelvey School of Engineering Energy, Environmental & Chemical Engineering**  
*Unlocking carbon-free ammonia energy technologies for environmental sustainability*  
**Singapore**  
Nanyang Technological University

**Xuehua Zhong** **Arts & Sciences Biology**  
*Thermal stress memory for sustainable agriculture*  
**United Kingdom**  
University of Warwick

**Ilaria Patania** **Arts & Sciences Anthropology**  
*Understanding the role of climate change and human arrival on Mediterranean coastal and island environments*  
**Israel & Portugal**  
University of Haifa & University of Algarve

**Helina Woldekiros** **Arts & Sciences Anthropology**  
*Human-livestock-environment dynamics in highland Ethiopia: Ecological challenges and opportunities in ancient-modern food webs*  
**Ethiopia**  
Addis Ababa University

**Michael Sherraden** **Brown School**  
*Energy transition for child health and well-being: A child development account strategy*  
**Kazakhstan**  
L.N. Gumilyov Eurasia National University  
Azerbaijan  
Center for Economic and Social Development

**Zhen He** **McKelvey School of Engineering Energy, Environmental & Chemical Engineering**  
*Innovative sensors to detect pathogens in the UK and US municipal wastewater*  
**United Kingdom**  
Cranfield University

**Seth Denizen** **Sam Fox School of Design & Visual Arts Landscape Architecture**  
*Wastewater urbanism*  
**Mexico**  
National Autonomous University of Mexico

## Public Health

**Ozge Sensoy Bahar** **Brown School**  
*Tailoring an evidence-based family strengthening intervention as a preventive approach to climate change stressors*  
**Uganda**  
Makerere University

**Rodrigo Reis** **Brown School**  
*Evaluating the impacts of affordable housing on physical activity, health, and climate resilience in Brazil*  
**Brazil**  
University of São Paulo  
Pontifical Catholic University of Paraná

**Lindsay Stark** **Brown School**  
*Rental support for Venezuelan migrants in Colombia: Assessing early evidence of impact on self-reliance, mental health, and social integration for female-headed households*  
**Colombia**  
Universidad de Los Andes

**Elvin Geng** **School of Medicine Infectious Diseases**  
*HIV assets for retention and mobilization to benefit East Africa*  
**Kenya**  
Center for Family Health Research and Development

**Mark Huffman** **School of Medicine Cardiovascular Division**  
*HEARTS in Africa: Health equity and resources for hypertension and cardiovascular treatment solutions*  
**Nigeria**  
University of Abuja

**Lora Iannotti** **Brown School**  
*10-5-2-1-0: School-based nutrition ecology intervention for child obesity prevention in Quito*  
**Ecuador**  
Universidad San Francisco de Quito

**Stephanie Kirk** **Arts & Sciences Romance Languages and Literatures**  
*Local/Global gender activism: Transdisciplinary and trans-hemispheric knowledges in movement*  
**Argentina**  
Universidad Nacional de Cordoba  
**Mexico**  
Tecnológico de Monterrey

## Digital Transformation

**Janis Skrastins** **Olin Business School**  
*The effects of digital transformation in finance*  
**Brazil**  
Central Bank of Brazil  
**Singapore**  
National University of Singapore

**Samuel Kizito** **Brown School**  
*Prep-AI: Development and validation of a machine learning model to identify high-risk adolescent girls and young women unlikely to initiate HIV pre-exposure prophylaxis in Uganda*  
**Uganda**  
Makerere University

**Ning Zhang** **McKelvey School of Engineering Computer Science & Engineering**  
*Non-invasive cyber defense of medical devices*  
**Taiwan ROC**  
National Taiwan University  
National Yang Ming Chiao Tung University

## Medical Research

**Jennifer Wang** **Arts & Sciences Biology**  
*Local protein synthesis and the assembly of the centrosome-cilium complex*  
**United Kingdom**  
University of Warwick

**Silvia Jansen** **School of Medicine Cell Biology and Physiology**  
*Spatiotemporal protein folding by the CCT/TRiC complex*  
**Finland**  
University of Helsinki

**Caline Mattar** **School of Medicine Infectious Diseases**  
*Zero bloodstream infections*  
**Honduras**  
Hospital Maria Pediatric Specialties

## Local-to-Global Connections