June 24, 2020

Please join me in congratulating the following faculty whose projects were selected for funding under the Faculty Seed Grant program (awards listed in the table below). The funds for this program were provided by SUNY and had been significantly delayed during the pandemic. We are very excited that those funds have finally been released and that these projects can start. The intent of the Faculty Seed Grant program is to enable faculty to initiate or expand research efforts and to increase competitiveness for pursuing external funding opportunities.

I would also like to draw your attention to the “Save the Date” announcement for a Nano IoT Symposium being organized by Cornell University, and to the list of new funding opportunities from Grants.gov.

Enjoy the upcoming holiday and please reach out with research-related questions or with any announcements for upcoming newsletters.

Nate Cady
Interim Vice President of Research

<table>
<thead>
<tr>
<th>PI</th>
<th>Co PI(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>Unni Pillai</td>
<td></td>
<td>Estimating the rate of diffusion of Information Technology and its impact on the economy by measuring the semiconductor content in capital equipment.</td>
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<td>Benoit Boivin</td>
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<td>Understanding the Molecular Mechanisms that Control Protein Tyrosine Phosphatase Inactivation</td>
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<td>Jagannath Upadhyay</td>
<td></td>
<td>Evaluation of physical and chemical properties of bulk modified thiol-acrylate system for high throughput detection of various infectious diseases</td>
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<tr>
<td>Luye Li</td>
<td>Rebecca Weldon</td>
<td>The use of information and communication technology (ICT) and college students’ attitudes toward dating violence and sexual aggression</td>
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<tr>
<td>Jerome Niyirora</td>
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<td>Exploration of large data sets for correlations and emergent properties of health care</td>
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<td>Rebecca Weldon</td>
<td>Luye Li, Daniel</td>
<td>Can the Perception of Conflict Lead to Healthier Behavior?</td>
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<td>Jones</td>
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<tr>
<td>Joyce Shen</td>
<td>Shuang Tang</td>
<td>Direct printing of free-standing liquid metal 3D microstructure for conductive, flexible networks</td>
</tr>
<tr>
<td>Name</td>
<td>Topic</td>
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<tr>
<td>Andre Melendez</td>
<td>Therapeutic control of Senescence</td>
<td></td>
</tr>
<tr>
<td>Iulian Gherasoiu</td>
<td>Effective and Reusable Solid-State Electric Air Filter for Personal Protective Equipment</td>
<td></td>
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<tr>
<td>Sivapalan Gajan</td>
<td>Development of Predictive Algorithms using Machine Learning for the Performance of Rocking Foundations Supporting Buildings and Bridges during Seismic Loading</td>
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</tr>
</tbody>
</table>

**Save The Date!**

2022 Nano-IoT Research Community Symposium Tuesday, August 16, 2022

On Tuesday August 16, the Cornell NanoScale Science and Technology Facility (CNF) will host the 2022 Nanoscale Internet-of-Things (Nano-IoT) Research Community Symposium at Cornell University in Ithaca NY. The purpose of the symposium is to inform and exchange ideas between National Nanotechnology Coordinated Infrastructure (NNCI) users and interested researchers in Nanoscale Internet-of-Things (Nano-IoT) research.

This hybrid event will feature invited speakers who will highlight emerging research areas in Nano-IoT followed by center director overviews showcasing the work performed at their individual NNCI sites.

An in-person-only panel discussion will be held in the afternoon to help define future Nano-IoT research directions.

[https://cnf.cornell.edu/events/2022-nano-iot](https://cnf.cornell.edu/events/2022-nano-iot)

**New Funding Opportunities (Grants.gov) through June 24, 2022**

HHS
Department of Health and Human Services
Administration for Children and Families-IOAS-OTIP SOAR to Health and Wellness Training (SOAR) Demonstration Program Synopsis 1

USDA
Department of Agriculture
National Institute of Food and Agriculture Open Data Framework Synopsis 1
HHS  
Department of Health and Human Services  
Health Resources and Services Administration Service Area Competition Forecast 1  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341056

PAMS  
Department of Energy - Office of Science Office of Science Basic Energy Sciences - Reaching a New Energy Sciences Workforce (BES-RENEW) Synopsis 2  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=340675

HHS  
Department of Health and Human Services  
National Institutes of Health  
Novel Drug (DDT) and Medical Device Development Tools (MDDT) to Help Expedite Creation and Regulatory Approvals of New Therapies for Substance Use Disorders (SUD) (R41/R42 Clinical Trial Optional) Synopsis 1  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341058

USDOJ  
Department of Justice  
Bureau of Justice Statistics  
FY 2022 National Pretrial Reporting Program Synopsis 1  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341065

DOS  
Department of State  
Bureau of East Asian and Pacific Affairs U.S.-ASEAN Science, Technology and Innovation Cooperation (STIC) Program Synopsis 1  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341085

NSF  
National Science Foundation  
Mid-Career Advancement  
Synopsis 1  
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341086

DOT  
Department of Transportation
Pipeline and Hazardous Materials Safety Admin FY 2022 Natural Gas Distribution Infrastructure Safety and Modernization Grant Synopsis 7

HHS
Department of Health and Human Services
Administration for Children and Families-IOAS-OTIP
Aspire: Child Trafficking Victim Assistance Demonstration Program Synopsis 1

HHS
Department of Health and Human Services
Health Resources and Services Administration Service Area Competition Forecast 1

HHS
Department of Health and Human Services
Health Resources and Services Administration FY 2023 Service Area Competition Forecast 1

DOD
Department of Defense
Dept. of the Army -- Corps of Engineers Recreational Road Inventories at USACE Project Sites Forecast 1

HHS
Department of Health and Human Services
Health Resources and Services Administration FY 2023 Quality Improvement Fund: Maternal Health (QIF-MH) Forecast 1

HHS
Department of Health and Human Services
Health Resources and Services Administration Service Area Competition Forecast 1

USDA
Department of Agriculture
Rural Business-Cooperative Service
Meat and Poultry Intermediary Lending Program Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=340777

DOS
Department of State
U.S. Mission to Ukraine
Professional Development & Exchange for Ukrainian Educators of Preservice Teachers
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341035

DOD
Department of Defense
DARPA - Defense Sciences Office
Defense Sciences Office Office-wide
Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=334133

ED
Department of Education
Office of Special Education and Rehabilitative Services (OSERS): Office of Special Education Programs (OSEP): State Personnel Development Grants (SPDG) Program, Assistance Listing Number 84.323A
Synopsis 3
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341047

HHS
Department of Health and Human Services
Health Resources and Services Administration
FY 2023 National Training and Technical Assistance Partners (NTTAP)
Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341041

HHS
Department of Health and Human Services
Health Resources and Services Administration
FY 2023 Early Childhood Development
Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341040
HHS
Department of Health and Human Services
National Institutes of Health
Novel Drug (DDT) and Medical Device Development Tools (MDDT) to Help Expedite Creation and Regulatory Approvals of New Therapies for Substance Use Disorders (SUD) (R43/R44 Clinical Trial Optional)
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341043

HHS
Department of Health and Human Services
Health Resources and Services Administration
Strengthen the Evidence for Maternal and Child Health Programs
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=339186

HHS
Department of Health and Human Services
National Institutes of Health
Stakeholder Engagement Innovation Center for Advancing Health Equity in Type 2 Diabetes Research (U2C - Clinical Trial Not Allowed)
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341042

DOS
Department of State
Bureau of Global Public Affairs
Countering Threats to Freedom of Expression in Academia
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341053

DOI
Department of the Interior
Geological Survey
Cooperative Agreement for CESU-affiliated Partner with South Florida Caribbean Cooperative Ecosystem Studies Unit
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341052

HHS
Department of Health and Human Services
Administration for Children and Families - ORR
Refugee Individual Development Accounts (IDA) Program
Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=339004

HHS
Department of Health and Human Services
Health Resources and Services Administration
Service Area Competition
Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341054

DOT
Department of Transportation
DOT Federal Highway Administration
Bridge Investment Program - Planning, Bridge Projects, and Large Bridge Projects
Synopsis 1

DOI
Department of the Interior
Geological Survey
2023 National Geological & Geophysical Data Preservation Program Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341125

HHS
Department of Health and Human Services
National Institutes of Health
Innovative Approaches to Studying Cancer Communication in the New Information Ecosystem (R21 Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341109

HHS
Department of Health and Human Services
National Institutes of Health
Innovative Approaches to Studying Cancer Communication in the New Information Ecosystem (R01 Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341108

DOL
Department of Labor
Employment and Training Administration
FY 2022 Foreign Labor Certification Grant Planning Guidance Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341127

HHS
Department of Health and Human Services
Health Resources and Services Administration Rural Communities Opioid Response Program – Medication Assisted Treatment Access Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=339574

EPA
Environmental Protection Agency
FY 2022 Tribal Solid Waste Grant
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341110

USAID
Agency for International Development
Georgia USAID-Tbilisi
USAID Educating the Future Program
Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341105

DOS
Department of State
U.S. Mission to Morocco
Coalition Training for Women Parliamentarians Synopsis 5
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341104

NASA
National Aeronautics and Space Administration NASA Headquarters ROSES 2022: Technology Development for Support of Wildfire Science, Management, and Disaster Mitigation Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341106

ED
Department of Education
Office of Postsecondary Education (OPE): Higher Education Programs (HEP): Promoting Postbaccalaureate Opportunities for Hispanic Americans (PPOHA) Program, Assistance Listing Number (ALN) 84.031M Synopsis 3
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341007

DOS
Department of State
Assistance Coordination
Fiscal Transparency Innovation in Egypt Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341120

NSF
National Science Foundation
HSI Program Network Resource Centers and Hubs Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341123

DOD
Department of Defense
Dept. of the Army -- USAMRAA
DoD Reconstructive Transplant, Investigator- Initiated Research Award Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341133

DOD
Department of Defense
Dept. of the Army -- USAMRAA
DoD Reconstructive Transplant, Advanced Technology Development Award Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341132

HHS
Department of Health and Human Services
National Institutes of Health
Registry of Medical Cannabis Use and Health Outcomes (UM1 - Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341134

USAID
Agency for International Development
El Salvador USAID-San Salvador
El Salvador Country Development Cooperation Strategy (CDCS) Annual Program Statement (APS)
Synopsis 4
https://www.grants.gov/web/grants/view-opportunity.html?oppId=332969

DOS
Department of State
U.S. Mission to Armenia
Track II Programs
Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341130

DOS
Department of State
Bureau of Political-Military Affairs - WRA 22.PMWRA.WESTAFRICA.WAM.NOFO Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341137

DOI
Department of the Interior
Bureau of Reclamation
WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2023 Synopsis 3
https://www.grants.gov/web/grants/view-opportunity.html?oppId=339953

DOC
Department of Commerce
Restoring Tribal Priority Fish Passage through Barrier Removal under the IJJA Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341139

HHS
Department of Health and Human Services
National Institutes of Health
Precision Approaches in Radiation Synthetic Combinations (PAIRS, R01 Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341117

HHS
Department of Health and Human Services
National Institutes of Health
Limited Competition: A Data Resource for Blood and Marrow Transplants and Adoptive Cellular Therapy Research (U24 Clinical Trial Not Allowed) Synopsis 1

HHS
Department of Health and Human Services
National Institutes of Health
Precision Approaches in Radiation Synthetic Combinations (PAIRS, R21 Clinical Trial Optional) Synopsis 1

DOD
Department of Defense
Dept. of the Army -- USAMRAA
DoD Reconstructive Transplant, Concept Award Synopsis 1

HHS
Department of Health and Human Services
National Institutes of Health
Network for Personalization of Diagnostic Tests for Alzheimers Disease (AD) and Alzheimers Disease-Related Dementias (ADRD) in Older Adults with Multiple Chronic Conditions (MCCs) (U24 Clinical Trial Optional) Synopsis 1

HHS
Department of Health and Human Services
Centers for Disease Control and Prevention - ERA
Improving Health Outcome for Patients with Inflammatory Bowel Disease Forecast 1

USDA
Department of Agriculture
Animal and Plant Health Inspection Service
National Animal Disease Preparedness and Response Program (NADPRP) 2022 Synopsis 3

DOS
Department of State
Assistance Coordination
Sharing Underutilized Resources with Fishers and Farmers Synopsis 1
USDA
Department of Agriculture
Foreign Agricultural Service
Kenya Solar Cold Storage
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341185

DOS
Department of State
U.S. Mission to Jordan
Supporting Youth Rehabilitation and Reintegration in Jordan
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341184

HHS
Department of Health and Human Services
Centers for Disease Control - CSELS
Strengthening U.S. Public Health Infrastructure, Workforce, and Data Systems
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=340034

NSF
National Science Foundation
Launching Early-Career Academic Pathways in the Mathematical and Physical Sciences (LEAPS-MPS)
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341154

HHS
Department of Health and Human Services
Health Resources and Services Administration
Service Area Competition
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341036

DOL
Department of Labor
Employment and Training Administration
FY 22 Trade Adjustment Assistance (TAA) Training and Other Activities (TaOA) Grant Management Guidance.
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341193

HHS
Department of Health and Human Services
National Institutes of Health
Pragmatic Clinical Trials in Community Settings to Decrease or Prevent VCID Outcomes, Including in Populations that Experience Health Disparities (U01 Clinical Trial Required)
DOC
Department of Commerce
FY 2022 CARES Act Economic Recovery Corps and Equity Impact Investments NOFO
Synopsis 2
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341163

USDOJ
Department of Justice
Bureau of Justice Assistance
BJA FY 22 Edward Byrne Memorial Justice Assistance Grant Program - State Solicitation
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341162

USDOJ
Department of Justice
Bureau of Justice Statistics
FY 2022 Law Enforcement Management and Administrative Statistics (LEMAS)
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341194

USAID
Agency for International Development
Guatemala USAID-Guatemala City
USAID/Guatemala’s Prosperous and Resilient Landscapes Activity
Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341206

DOT
Department of Transportation
DOT Federal Highway Administration
Bridge Investment Program - Planning, Bridge Projects, and Large Bridge Projects
Synopsis 1

DOD
Department of Defense
Engineer Research and Development Center Flood and Earthquake Modeling Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341344

HHS
Department of Health and Human Services
National Institutes of Health
Advancing Research on Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (R41/R42 Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341325

HHS
Department of Health and Human Services
Centers for Disease Control - NCCDPHP
The Sudden Unexpected Infant Death (SUID) and Sudden Death in the Young (SDY) Case Registry Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341292

HHS
Department of Health and Human Services
National Institutes of Health
Advancing Research on Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (R43/R44 Clinical Trial Optional) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341289

DOD
Department of Defense
DARPA - Tactical Technology Office
Redefining Possible - 2022
Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341297

HHS
Department of Health and Human Services
Centers for Disease Control - NCIPC
Domestic Violence Prevention Enhancement and Leadership Through Alliances (DELTA): Achieving Health Equity through Addressing Disparities (AHEAD) Forecast 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341328

NSF
National Science Foundation
Computational and Data-Enabled Science and Engineering Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341299
NASA
National Aeronautics and Space Administration NASA Headquarters ROSES 2022: Living with a Star Science Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341349

HHS
Department of Health and Human Services
National Institutes of Health
Transformative Artificial Intelligence and Machine Learning Based Strategies to Identify Determinants of Exceptional Health and Life Span (R21/R33 Clinical Trial Not Allowed) Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341351

DOD
Department of Defense
Engineer Research and Development Center Automated and Robotic Inspection of Flood Control Systems Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341355

NSF
National Science Foundation
Computational and Data-Enabled Science and Engineering Synopsis 1
https://www.grants.gov/web/grants/view-opportunity.html?oppId=341299