

UW2020: WARF Discovery Initiative Awards

Research Proposals:

Building a Next Generation, Whole Brain Imaging Platform Using Simultaneous PET, fMRI, Behavioral Pharmacology, and Mathematical Modeling of Decision Making

Principal Investigator: Luis Populin, Associate Professor, Neuroscience

Combining Radiotherapeutic with Antitumor Antibody and IL2 to Create a Potent In Situ Cancer Vaccine

Principal Investigator: Paul Sondel, Professor, Pediatrics

From Simple Words to Complex Ideas: Understanding the Role of Language in Learning

Principal Investigator: Gary Lupyan, Associate Professor, Psychology

Imaging Cross-Lingusitic Laryngeal Gestures

Principal Investigator: Joseph Salmons, Professor, German

Physically-Responsive Collaborative Robot Manipulation

Principal Investigator: Michael Gleicher, Professor, Computer Sciences

Reconstruction of Neural Circuits in Parkinson's Disease

Principal Investigator: Su-Chun Zhang, Professor, Neuroscience

Transforming Data Science at UW and Beyond

Principal Investigator: AnHai Doan, Professor, Computer Sciences

Translating Novel Breast Cancer Genetic Markers from the Bench to the Clinic

Principal Investigator: Elizabeth Burnside, Professor, Radiology

Infrastructure/Equipment/Instrumentation Proposals:

Acquisition of a Pacific Biosciences DNA Sequencer for UW-Madison Campus

Principal Investigator: Michael Sussman, Professor, Biochemistry and Director, Biotechnology Center

Acquisition of a Scanning Electron Microscope / Focused Ion Beam Instrument with 3D "Slice and View" Capability

Principal Investigator: Paul Voyles, Professor, Materials Science and Engineering

Acquisition of High-Memory Computation Hardware for UW-Madison Campus

Principal Investigator: Miron Livny, Professor, Computer Sciences

Creation of an Electronic Music Studio

Principal Investigator: Daniel Grabois, Assistant Professor of Horn, School of Music

Early Stage Translational Drug Discovery: Matchmaking UW Biology and Medicinal Chemistry Resources Towards High Impact Compounds and Outcomes

Principal Investigator: Jennifer E. Golden, Assistant Professor, School of Pharmacy

Shared Live Cell Imaging Resources for Studying HIV/AIDS

Principal Investigator: Nathan Sherer, Assistant Professor, Oncology