2018 Council of Early Career Investigators (CECI²) Travel Awardees

Rebecca Rakow-Penner, MD, PhD
UCSD
CECI² Chair

Jadranka Stojanovska, MD, MS
University of Michigan
CECI² Co-Chair

Matthew David Alexander, MD
University of Utah
Atherosclerosis in the brain is the most common cause of strokes worldwide. Poor understanding of this disease limits treatment effectiveness. Adequate investigation is not possible in humans, so we are using an animal model to improve treatment.

Adam Q. Bauer, PhD
Washington University
Our lab develops novel optical imaging hardware and custom software analysis algorithms for translational neuroscience applications in mice. We are particularly interested in studying functional network connections in both the healthy and diseased brain.

Michael Farwell, MD
University of Pennsylvania
My research focuses on developing new tools to image the immune system in the setting of cancer immunotherapy. I am developing methods for tracking CAR T cells in patients, and I am studying FDG PET/CT as a predictor of response to immunotherapy.

Samuel Galgano, MD
University of Alabama at Birmingham
My research is focused on imaging of cancers of the abdomen and pelvis with emerging radiotracers utilizing both PET/CT and PET/MRI. My current grant involves the use of PET/MRI for improving pretreatment staging of high-risk prostate cancer.

Alexander Goehler, MD, PhD, MSc, MPH
Brigham and Women's Hospital
As a diagnostic/interventional radiologist and health economist, my research focuses on the integration and evaluation of artificial intelligence and other novel technologies to improve imaging-related patient outcomes, efficiency and the reduction of costs.

Michal Horny, PhD, MSc
Emory University
My research focuses on how health policy influences the utilization of health care, and the subsequent implications of that utilization on health outcomes and healthcare spending.

Hyungseok Jang, PhD
University of California at San Diego
My research focuses on development of novel techniques for morphological and quantitative MR imaging on the human knee joint (e.g., bone) and brain (e.g., myelin), to provide a biomarker for osteoarthritis, osteoporosis, and multiple sclerosis.

Feliks Kogan, PhD
*Stanford University*
My work focuses on the development of novel imaging tools to detect early and reversible changes in osteoarthritis. These advancements provide new insights into the causes of osteoarthritis and new treatment targets to arrest the disease.

Bhavya Rehani, MD
University of California at San Francisco
I focus on utilizing advanced imaging techniques like hyperpolarized MRI & vessel wall imaging in stroke. And I use futuristic technological innovation like mHealth and apply it to global health to bring imaging to areas of low access in US and abroad.
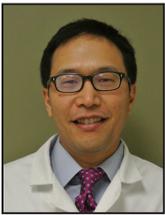
Mark S. Shiroishi, MD
Keck School of Medicine, University of Southern California
My research focuses on understanding the neuroanatomical alterations that may underlie cancer-related cognitive impairment.

Kiran Kumar Solingapuram Sai, PhD
Wake Forest University
I develop novel PET-based radiopharmaceuticals for diagnostic imaging and targeted radiotherapy of various disorders like cancer, Alzheimer's disease and substance-abuse addiction for both preclinical and clinical settings.

Bo Zhu, PhD
Massachusetts General Hospital
We use A.I. to teach medical imaging devices (like MRIs) "how to see" like humans do: training with many examples, instead of direct programming. The result is a class of low-cost, smart scanners that can image more diseases with higher accuracy.

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Advancing Innovation in Imaging Science