

**Biomolecular Characterization and Imaging Science - List of Awards**  
**BIOIMAGING RESEARCH TO DEVELOP IMAGING INSTRUMENTATION AND APPROACHES: DE-FOA-00002393**

Title	Lead PI	Institution	Location
Development of high-throughput light-sheet fluorescence lifetime microscopy for 3D functional imaging of metabolic pathways in plants and microorganisms	Kasevich, Mark	Board of Trustees of the Leland Stanford Junior University	Redwood City, CA
Development of high-throughput light-sheet fluorescence lifetime microscopy for 3D functional imaging of metabolic pathways in plants and microorganisms	Wakatsuki, Soichi	<u>Collaborating Lab: SLAC National Accelerator Laboratory</u>	Menlo Park, CA
Biological Imaging using Entangled Photons	Goodson III, Theodore	Regents of the University of Michigan	Ann Arbor, MI
Biological Imaging using Entangled Photons	Morrell-Falvey, Jennifer; Ma, Yingzhong	<u>Collaborating Lab: Oak Ridge National Laboratory (ORNL)</u>	Oak Ridge, Tennessee
Novel in-vivo visualization of bioenergy metabolic and cellular phenotypes in living woody tissues	Sieburth, Leslie	University of Utah	Salt Lake City, UT
Novel in-vivo visualization of bioenergy metabolic and cellular phenotypes in living woody tissues	Groover, Andrew	<u>Collaborating Agency: US Forest Service Pacific Southwest Research Station</u>	Albany, CA
Novel in-vivo visualization of bioenergy metabolic and cellular phenotypes in living woody tissues	Liu, Chang-Jun	<u>Collaborating Lab: Brookhaven National Laboratory (BNL)</u>	Upton, NY
Ultra-sensitive high-resolution label-free nonlinear optical microscopy for imaging plant-microbe interactions in vivo	Ji, Na	The Regents of University of California	Berkeley, CA
Ultra-sensitive high-resolution label-free nonlinear optical microscopy for imaging plant-microbe interactions in vivo	Vogel, John	<u>Collaborating Lab: Lawrence Berkeley National Laboratory (LBNL)</u>	Berkeley, CA
Integrative Imaging of Plant Roots during Symbiosis with Mycorrhizal Fungi	Vasdekis, Andreas	Regents of the University of Idaho	Moscow, ID
Integrative Imaging of Plant Roots during Symbiosis with Mycorrhizal Fungi	Baker, Scott	<u>Collaborating Lab: Pacific Northwest National Laboratory (PNNL)</u>	Richland, WA
Non-destructive, three-dimensional imaging of processes in the rhizosphere utilizing high energy photons	Abbaszadeh, Shiva	The Regents of the University of California	Santa Cruz, CA
Deep Chemical Imaging of the Rhizosphere	Cicerone, Marcus	Georgia Tech Research Corporation	Atlanta, GA