

Berkeley Lab Capabilities: Working with SBIR/STTR awardees

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Science Areas



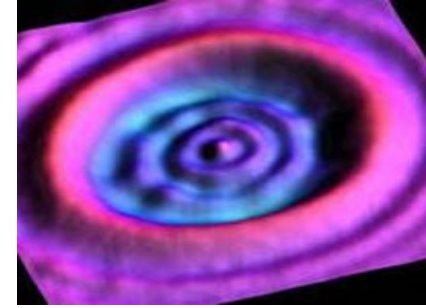
Biosciences

- Microbes to Biomes
- Imaging
- Agriculture
- Human Health
- Biomass Processing
- Microbial Conversion
- Industrial Biotechnology



Energy Technologies

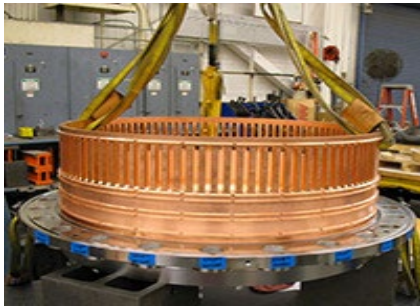
- Energy Storage
- Energy Efficiency
- Environmental Technologies
- Grid Analysis and Control



Energy Sciences

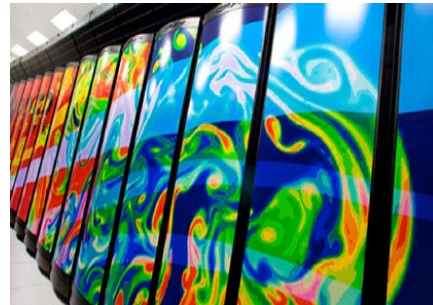
- Energy Generation
- Coordination Chemistry
- Spectroscopy
- Semiconductors and Photonics

Science Areas



Physical Sciences

- Ion, Proton and Laser Plasma Accelerators
- Neutron Generators
- Scintillators
- Magnets
- Support software



Computing Sciences

- Computer Architecture
- Cyber Security
- Big Data Management and Analytics
- Artificial Intelligence
- Machine Learning
- Network Infrastructure



Earth & Environ. Sciences

- Subsurface Simulation
- Surface/Climate Simulation
- Subsurface Characterization

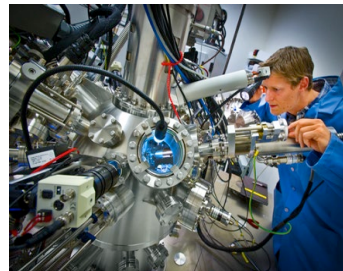
National User Facilities



Advanced
Light Source

2,200 (ALS)
users

- Pharmaceuticals
- Semiconductors
- battery components
- Other unique uses



Molecular
Foundry (MF)

700 users

- NS design
- NS fabrication,
- Soft materials
synthesis
- Adv. e-beam
characterization



Joint
Genome
Institute (JGI)

1,400 users

- DNA synthesis
- Sequencing projects
- Fuels from biomass
- Drought-resistant
plants

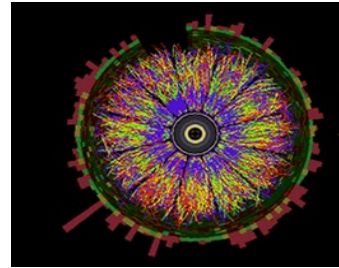
National User Facilities



NERSC

6,225 users

- Advanced materials
- Physical and life sciences
- Manufacturing
- Climate modeling



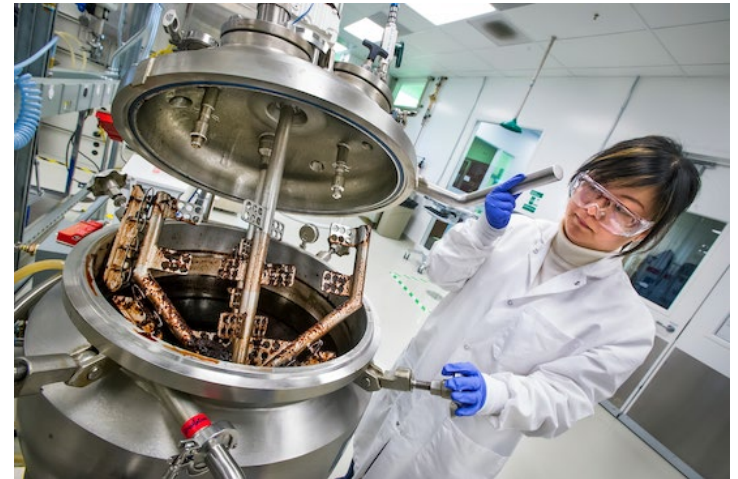
ESnet

58 users

- High bandwidth networking
- Large collaborative projects
- Energy
- Origins of the universe

Technology Access Centers

FLEXLAB

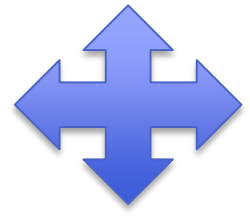


**Advanced Biofuels
Process Demonstration Unit
(ABPDU)**



IP 

INTELLECTUAL
PROPERTY OFFICE



SPO
SPONSORED
PROJECTS OFFICE



IP 
INTELLECTUAL
PROPERTY OFFICE



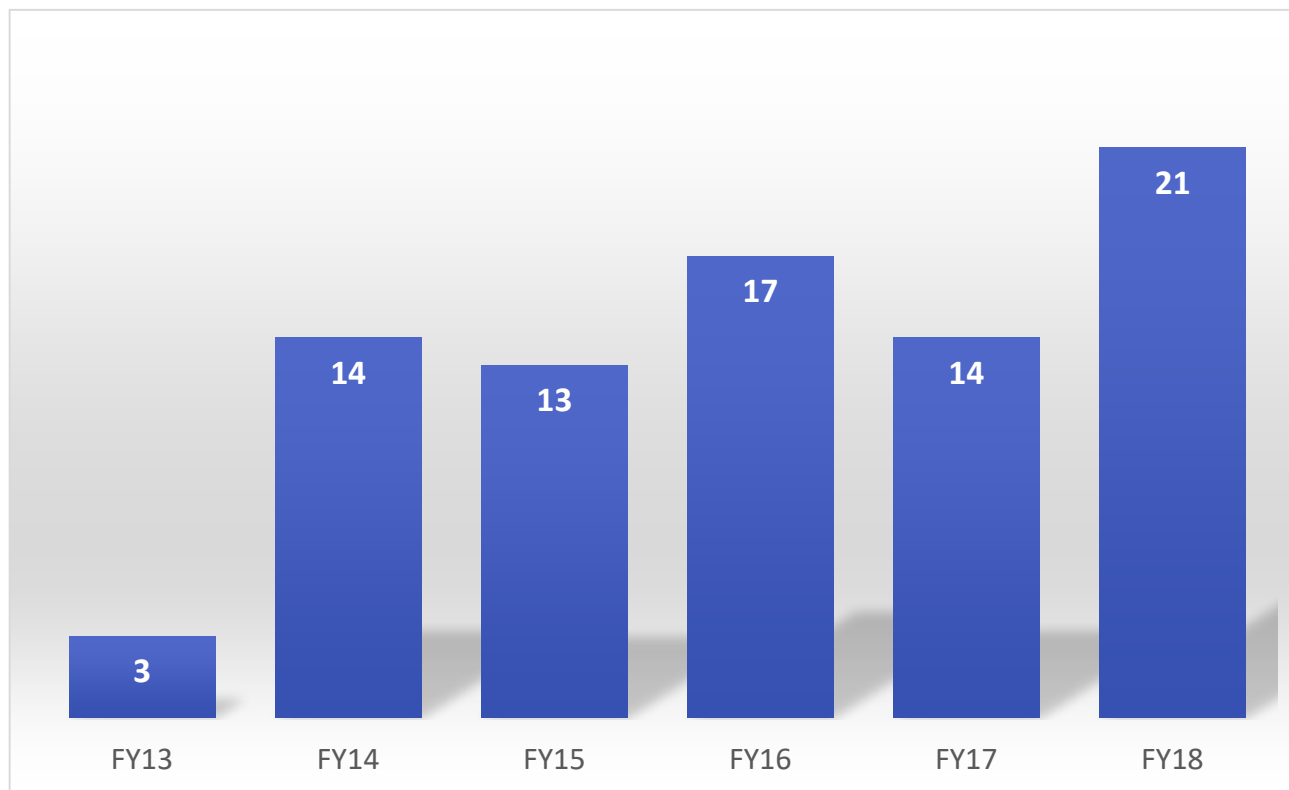
DOE Labs & Industry Engagement

- Strategic Partnership Projects (SPP)
- Technology Assistance Programs*
- Collaborative Research & Development Agreement (CRADA)
- Agreements for Commercializing Technology (ACT)*
- User Facility Agreement
 - Non-Proprietary
 - Proprietary

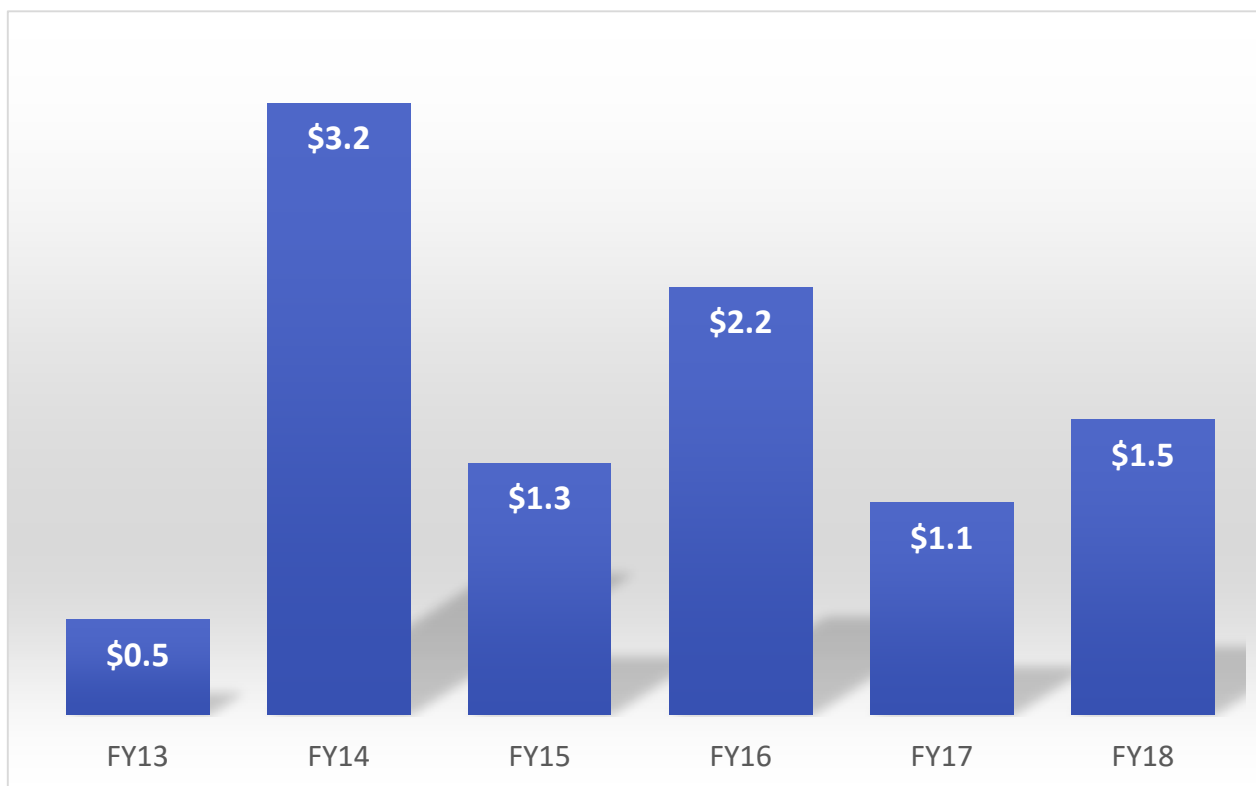
* Some labs not all



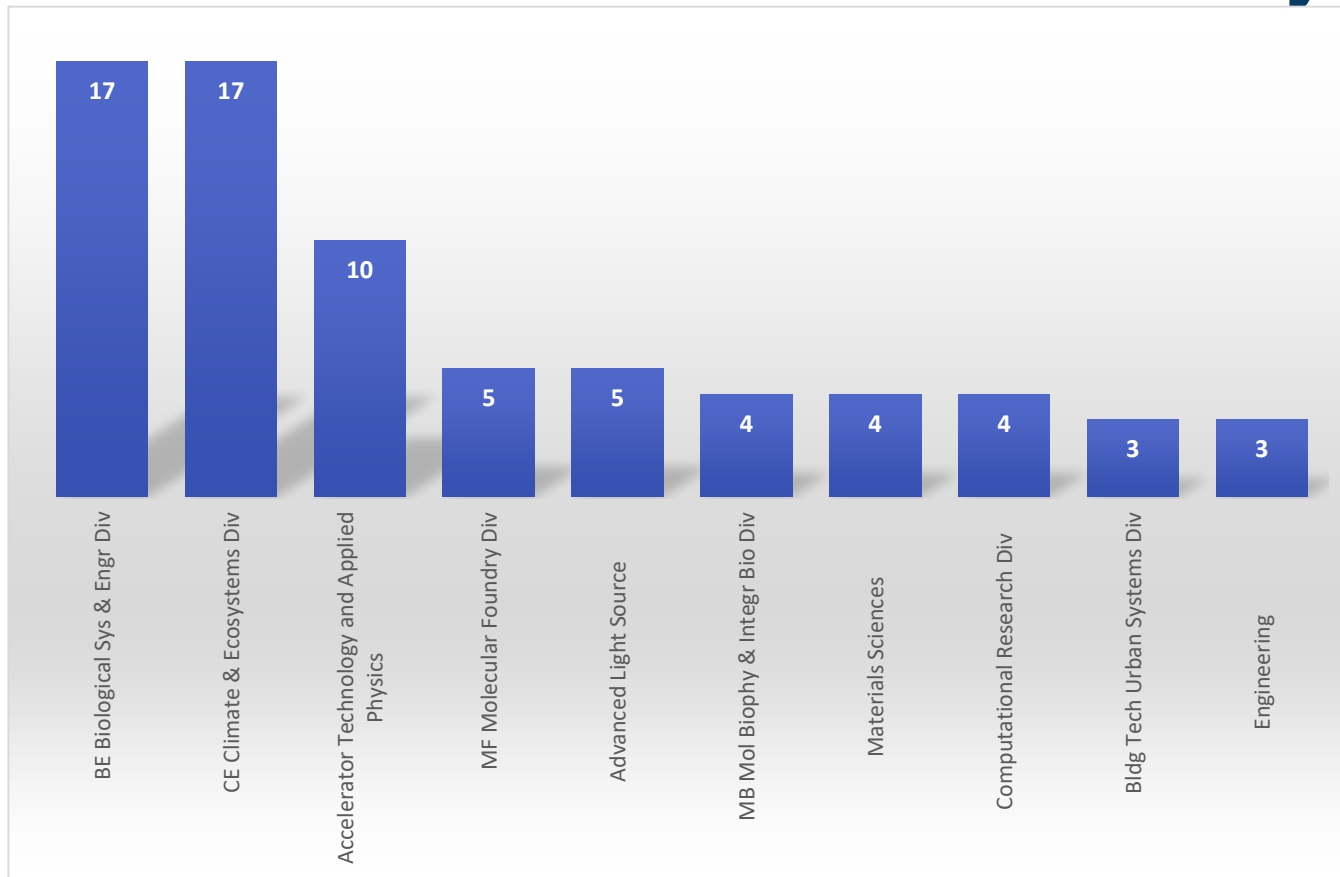
SBIR/STTR Awardees working with Berkeley Lab



SBIR/STTR Funds provided to Berkeley Lab



Science Areas with > 2 Awards at Berkeley Lab





Thank You