National Lab Day in Mississippi

BERKELEY LAB
LAWRENCE BERKELEY NATIONAL LABORATORY

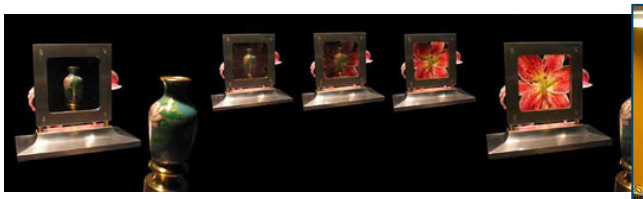
U.S. DEPARTMENT OF ENERGY

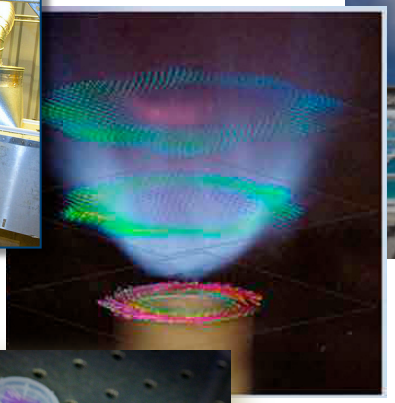
Working with DOE National Labs

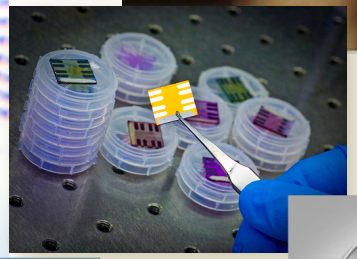
November 8, 2012

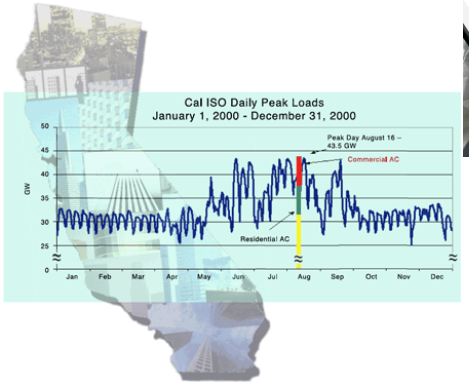
Science Drives Innovation

Scientific research → inventions and software









How to Work with National Labs

- User Facilities
- License a technology
- Collaborative research
- Sponsored research
- Technical assistance

Across DOE's 17 National Labs

- 700 - Collaborative research agreements
- 2500 - Sponsored research agreements
- 1400 - New inventions
- 900 - Patent applications filed
- 500 - Patents issued
- 5700 - Active licenses
- 561,000 - Open source software downloads

Licensing from DOE Labs

- Goal – Find most qualified partner/s to bring technology to market
  - Secure a fair return for Lab and inventors
- Preference given to U. S. companies
- Exclusive or non-exclusive

Collaborative Research

Cooperative Research and Development Agreement - CRADA

- Company & Lab both contribute to research
- Company fully funds or leverages other funds
  - May negotiate for a fee-bearing license

Sponsored Research

Work for Others

- Company fully funds R & D
- Lab performs the R & D
  - May not compete with private industry
  - Lab must have capability and availability
- U. S. companies retain title to any IP created
  - Often in conjunction with licensing

Technical Assistance

- Helps small businesses overcome technical barriers
  - provides up to 40 hours of free assistance
  - helps with specific technology needs
  - simple 2 page contract
- If any IP is created
  - non-exclusive, royalty-free license (usually)

How to Engage

- Consider your company's need
- Identify a Lab with a matching capability
- Contact the Lab and begin a dialog

Helpful Links

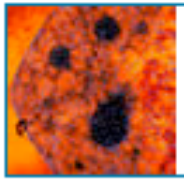
- http://techtransfer.energy.gov/
  - Learn about DOE Lab capabilities and techs for license
- http://techportal.eere.energy.gov/
  - Energy related technologies for license
- http://www.grants.gov/
  - Find and apply for federal grants

Lab Techs Available for License


Advanced Materials


Environmental Technologies


Biofuels


Imaging & Lasers

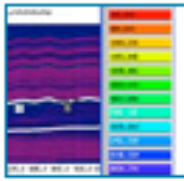

Biotechnology & Medicine


Ion Sources and Beams


Developing World


Nano- & Micro-technology

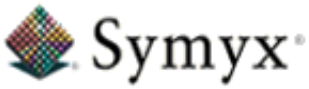

Energy

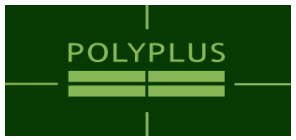

Software and IT

Sign up for Tech Alerts – www.lbl.gov/tt

Selected Licensees

35 Start-Ups Based on LBNL Techs





Morris Research

Artery Therapeutics

Skin Scan

Point Source Power

120914

Pocket-sized DNA Sampler

- Accurately and quickly test for over 50,000 bacterial species

Gulf oil spill

– Compare bacteria in oil v. non-oil plumes

– 16 distinct taxa were significantly enriched in the plume samples

  - Nearly all known to degrade hydrocarbons
  - “a potential for intrinsic bioremediation of oil contaminants in the deep-sea.”

SECOND GENOME
THE MICROBIOME COMPANY

Science is a Powerful Lever for Progress

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