



# Berkeley Lab

LAWRENCE BERKELEY NATIONAL LABORATORY



**Molecular** FOUNDRY  
A NANOSTRUCTURES USER LABORATORY

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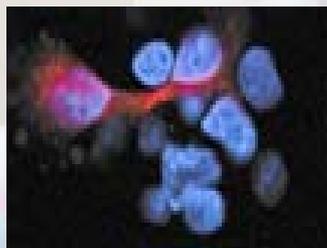
University of California,  
Berkeley

Molecular Foundry

Learn more at <http://foundry.lbl.gov/> or [jmbustillo@lbl.gov](mailto:jmbustillo@lbl.gov)

# THE MOLECULAR FOUNDRY

**A Nanostructures User Laboratory  
At Berkeley Lab**

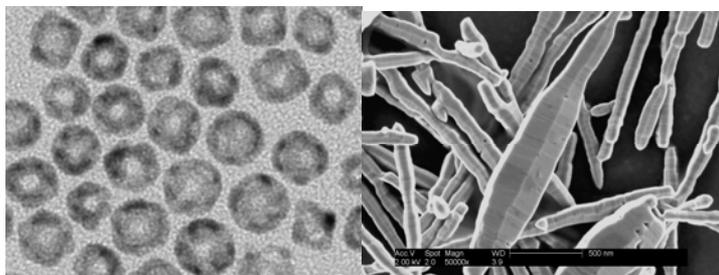


# Mission

- National User facility for nanoscale science
- Enable Users to design, synthesize, and characterize state-of-the-art materials
- Provide Users rapid access to cutting-edge techniques and training
- Create dynamic environment for collaborative research
- Educate and train the next generation of nanotechnology scientists.
- Provide means to solve important problems in energy science

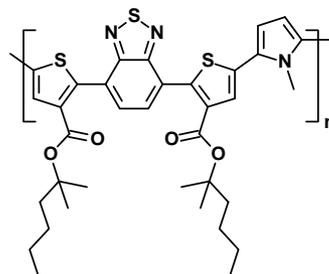
# Molecular Foundry Facilities

## Inorganic



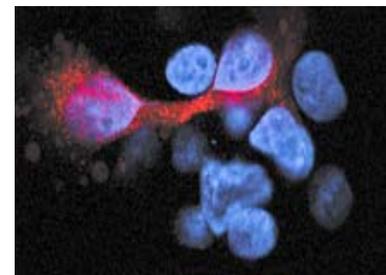
A. Paul Alivisatos  
Dmitri Talapin

## Organic



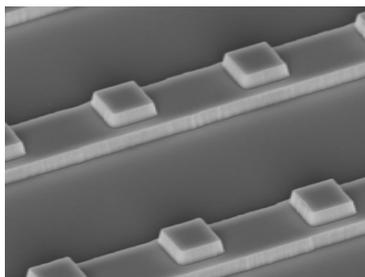
Jean Fréchet  
Frank Svec

## Biological



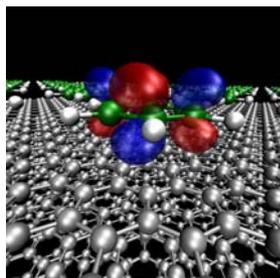
Carolyn Bertozzi  
Ron Zuckerman

## Nanofabrication



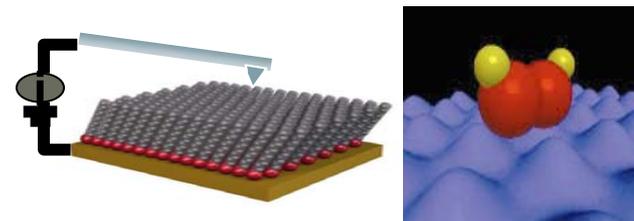
Jeffrey Bokor  
Stefano Cabrini

## Theory



Steven G. Louie  
Jeff Neaton

## Imaging & Manipulation



Miquel Salmeron  
D. Frank Ogletree

# Facility description

- State-of-the-art instrumentation
- Technical support staff
- Collaborative scientists to support users
- Internal research program
- Projects selected through peer review
- No charge for non-proprietary research

# Types of Foundry projects

- Obtain nanostructures
- Create new nanoscale materials/devices
- Learn to use new methods
- Develop new methods
- Learn to replicate new instruments/ techniques
- Pursue long term collaborations

Training occurs within the context of the above.