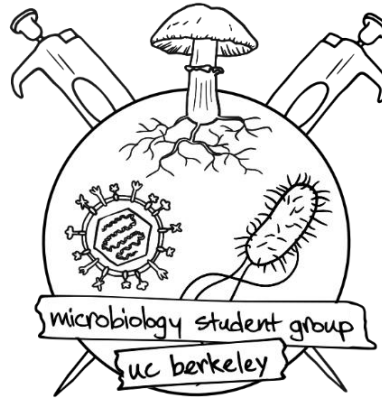


17<sup>th</sup> Annual  
**Microbiology Student Symposium**

May 6, 2016 – David Brower Center  
Berkeley, CA



**Chairs**

Carly Grant  
Gabriel Rosenfield

**Domain Level Sponsor**



**Phylum Level Sponsors**



**Molecular & Cell Biology**



**Class Level Sponsors**

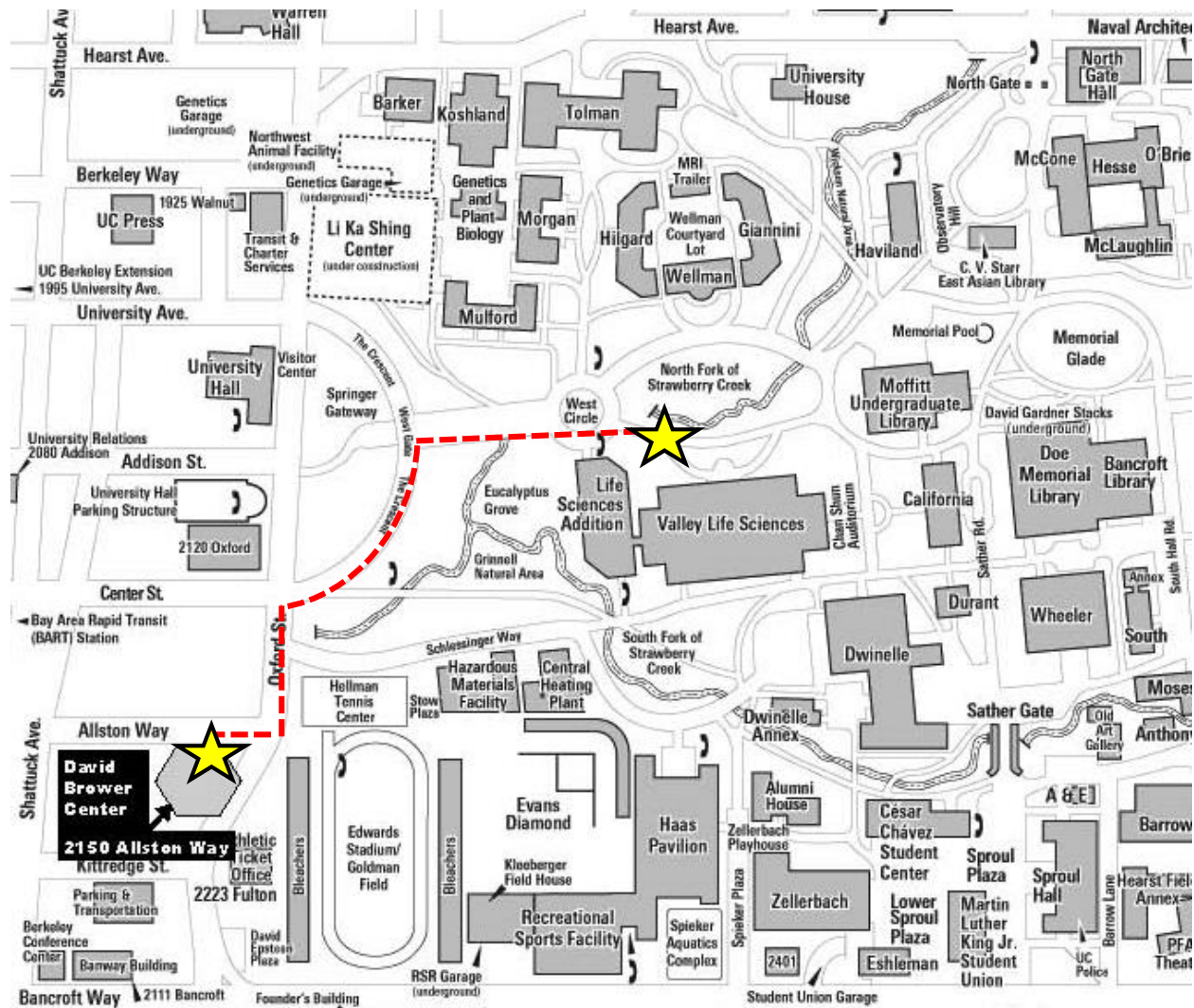




- 8:30 AM Breakfast
- 9:00 AM **Carly Grant**, Symposium Chair  
*Welcome*
- 9:10 AM **Christopher Hann-Soden** (John Taylor), UC Berkeley  
*Sympatric speciation by an evolutionary ratchet*
- 9:30 AM **Stephanie DeMarco** (Kent Hill), UCLA  
*Molecular and systems analysis of cell-cell communications and social behavior in *Trypanosoma brucei**
- 9:50 AM **James Anderson-Ferguson** (Patricia Zambryski), UC Berkeley  
*Loss of PodJ in *Agrobacterium tumefaciens* leads to ectopic polar growth, branching, and reduced cell division*
- 10:10 AM **Melania Abrahamian** (Howard Judelson), UC Riverside  
*Role of nitrate assimilation genes in pathogenicity of *Phytophthora infestans**
- 10:20 AM Coffee Break
- 10:35 AM **Yi-Pei Chen** (Patricia Johnson), UCLA  
*Characterization of *Trichomonas vaginalis* homologue of macrophage migration inhibitory factor in inducing the parasite survival during serum starvation*
- 10:55 AM **Xiaoxue (Snow) Zhou**, (Julie Theriot), Stanford  
*Fast mechanically driven daughter cell separation is widespread in *Actinobacteria**
- 11:15 AM **Victoria Orphan**, Caltech  
*How syntrophic archaea and bacteria oxidize methane in the deep sea*
- 12:15 AM Lunch & Poster/Art Presentations
- 1:45 PM **Allison Weis** (Bart Weimer), UC Davis  
*Genomic comparisons and zoonotic potential of *Campylobacter* isolates around Davis, California*
- 2:05 PM **Katherine Scheibel** (Shauna Somerville), UC Berkeley  
*Host-induced gene silencing in an obligate biotrophic plant pathogen*
- 2:25 PM **Leigh Harris** (Julie Theriot), Stanford  
*Relative rates of surface and volume synthesis set bacterial cell size*
- 2:45 PM **Margaret Nakamoto** (John Boothroyd), Stanford  
*How do RNA modifications enable development of a chronic infection?*
- 3:05 PM **Jasmine Nirody** (George Oster), UC Berkeley  
*The limiting speed of the bacterial flagellar motor*
- 3:25 PM Break
- 3:40 PM **Michael Laub**, MIT  
*Probing the specificity and evolution of protein-protein interactions in bacteria*
- 4:40 PM Closing Remarks
- 5:00 PM Reception at University of California, Valley Life Sciences Building Lawn



The David Brower Center is located at 2150 Allston Way, Berkeley CA, 94704. A reception will follow on the lawn in front of the Valley Life Sciences Building at University of California, Berkeley.



### Public Transportation:

The David Brower Center is two blocks from the Downtown Berkeley BART station and multiple bus lines.

BART: [www.bart.gov](http://www.bart.gov)

Bus: [www.actransit.org](http://www.actransit.org)

### Parking:

Garage parking is available on an hourly and daily basis at:

- Oxford Garage – 2161 Kittredge St. (one block south of the Brower Center)
- Allston Way Garage – 2061 Allston Way (two blocks west of the Brower Center)

For more information, please visit the City of Berkeley's off-street parking information

[http://www.cityofberkeley.info/Public\\_Works/Transportation/Off\\_Street\\_Parking\\_\(Garages\\_and\\_Lots\).aspx](http://www.cityofberkeley.info/Public_Works/Transportation/Off_Street_Parking_(Garages_and_Lots).aspx)

Street Parking: street parking is available on all streets surrounding the Brower Center. Streets are metered until 6 p.m. daily.





# 17<sup>th</sup> Annual Microbiology Student Symposium

May 6, 2016 | David Brower Center, Berkeley, CA

Free registration & abstract submission at

[nature.berkeley.edu/calmicro](http://nature.berkeley.edu/calmicro)



## Keynote Speakers

### Victoria Orphan

Caltech

*How syntrophic archaea and bacteria oxidize methane in the deep sea*

### Michael Laub

MIT

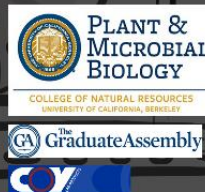
*Probing the specificity and evolution of protein-protein interactions in bacteria*

## Student Presentations

## Art Show/Reception

**prizes to be awarded!**

## Sponsors



Event is ADA accessible. For disability accommodation requests and information, please contact Disability Access Services by phone at [510-643-6456](tel:510-643-6456) (voice), or [510-642-6376](tel:510-642-6376) (TTY), or by email at [accessibility@berkeley.edu](mailto:accessibility@berkeley.edu)

Poster Design by Thai (Dat) Dao