

5th Annual Microbiology Retreat

March 23rd 2017 | Tilden Park Brazilian Room | Sponsored by the Department of Plant and Microbial Biology, UC Berkeley

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| 9:00 am | Breakfast, Welcome (Michi Taga) | |
| 9:20 – 10:40 | Session 1 (Session leader: Matt Traxler) | |
| 9:20 am | Fighting with phages: how epidemic <i>Vibrio cholerae</i> defends against viral attack | Kim Seed, PMB |
| 9:40 am | Quantifying the impacts of bacteriophages on host-associated microbiomes | Britt Koskella, Integrative Biology |
| 10:00 am | The effect of drought on the grass root microbiome | Devin Coleman-Derr, PGEC |
| 10:20 am | On fungal social barriers: “Talking is fine... but don’t ask me to fuse” | Pedro Gonçalves, PMB |
| 10:35 am | Coffee Break | |
| 11:00 – 12:20 | Session 2 (Session leader: Sarah Stanley) | |
| 11:00 am | Excess of mutational jackpot events in microbial biofilms | Oskar Hallatschek, Physics |
| 11:20 am | Genetic dissection of trait variation between long-diverged species | Rachel Brem, PMB |
| 11:40 am | Fungal manipulation of plant ploidy and primary metabolism fuels fungal reproduction | Mary Wildermuth, PMB |
| 12:00 pm | A fluorothreonine-selective aminoacyl-tRNA deacylating protein maintains translational fidelity in the organofluorine producer <i>Streptomyces cattleya</i> | Jonathan McMurry, Chemistry |
| 12:20 pm | Lunch | |
| 1:20 – 2:20 | Session 3 (Session leader: Ming Hammond) | |
| 1:20 pm | Bridge the Genome-Function Gaps with SR-FTIR Spectromicroscopy | Hoi-Ying Holman, LBNL |
| 1:40 pm | The role of AAA-ATPase motors in peroxisome biogenesis | Brooke Gardner, MCB |
| 2:00 pm | Systematic investigation of cofactor specificity in a model corrinoid-dependent enzyme | Olga Sokolovskaya, PMB |
| 2:20 pm | Multiplex characterization of functional traits using dual-barcoded genome fragments in diverse bacteria | Vivek Mutalik, LBNL |
| 2:40 pm | Coffee Break | |
| 3:00 pm | Keynote: Synthetic Biology for Synthetic Chemistry | Jay Keasling, CBE, LBNL, JBEI |
| 3:45 pm | Poster set-up | |
| 4:15 pm | Poster session Reception | |
| 6:00 pm | The End | |