2022 West Coast Bacterial Physiologist Virtual Conference Schedule
Saturday, December 17th, 2022 (9:00-5:00 PST)

9:00- 9:10  Welcome!

9:15- 9:45  Morning Keynote Speaker:
Prof. Heidi Goodrich-Blair, University of Tennessee, "How to talk to the animals: Lessons learned from the molecular interactions between Xenorhabdus bacteria and their invertebrate hosts"

9:45-10:00  Michael Trebino (UC Santa Cruz) Analysis of vpv regulation during biofilm formation in Vibrio cholerae

10:00-10:15  Georgina Reys (U Utah) Signal transmission through the cytoplasmic four-helix bundle of the TSR receptor

10:15-10:30  John Vang (CSU Chino) Investigation of two-component regulatory genes required for manganese oxidation in Pseudomonas putida GB-1

10:30-10:45  Yolanda Huang (Lawrence Berkeley Nat'l Laboratory) Barcoded expression libraries uncover new gene functions in gut Bacteroidales

10:45-11:00  Gabriela Subuyuj Hernandez (UC Davis) Characterization of caffeine biodegradation and the metabolic regulatory system in Methylophilus populi strain PINKEL

11:00-11:15  COFFEE BREAK

11:15-11:30  Steven Wilbert (Caltech) The role of context-dependent metabolite toxicity in organizing microbial communities

11:30-11:45  Melanie Spiro (U Oregon) Targeting anaerobic bacterial metabolism for combating chronic wound infection

11:45-12:00  Nathalie Delherbe (San Diego State) Methanotrophic bacteria and plants in arid ecosystems

12:00-12:15  Ann Hirsch (UCLA) A novel non-filamentous actinomycete, Dietzia cinnamea, promotes plant growth

12:15-12:30  David Dinh (U Oklahoma) 3-D structure of an enzyme responsible for energy production in a model syntroph

12:30- 2:00  LUNCH (Gathertown open!)
Link: https://gather.town/app/GVyeR3xufpMJuWCBP
Password: wcbp2022

2:00- 2:30  Afternoon Keynote Speaker:
Prof. Peter Girguis, Harvard University
"Animal, microbe, mineral: The interplay between abiotic and biotic interactions in shaping deep-sea chemoautotrophic symbioses"

2:30- 2:45  Rebecca Salacedo (Stanford U) Metagenomic investigation of a deep-sea microbial community reveals widespread chemoautotrophic potential

2:45- 3:00  Patrick Roehling (CSU Chico) Congo Red dye degradation via manganese oxidation in Pseudomonas strains

3:00- 3:15  Amanda Shelton (Carnegie Institution for Science) Diel metatranscriptomics reveals differential timing of metabolism in a microbial mat

3:15- 3:30  Delaney Beals (U Utah) Cultivation of methanotrophs in a spatially resolved model ecosystem

3:30- 3:45  Nathan Garcia (UC Irvine) Cellular proteome identifies regulation of marine Synechococcus cell traits and elemental stoichiometry under global change

3:45-  Closing (Gathertown open!)