

Preliminary Agenda: BIGCB 2013 Retreat

8:30 --- 9:00	Welcome & Introduction
9:00 --- 9:05	Cindy Looy: High resolution record of past climate change and the biotic response: Drilling Clear Lake, Lake County, Central California.
9:05 --- 9:10	Kent Lightfoot: The interaction of climatic change, fire regimes, and human landscape management practices on the Central Coast of California.
9:10 --- 9:15	Neil Tsutsui: Using genomics, isotopes and pollen to illuminate the past and predict the future of California bees.
9:15 --- 9:20	**TBD**: Applying novel tools to museum specimens to detect early signatures of species and community responses to environmental change.
9:20 --- 9:25	Jonathon Stillman: How will California's coastal aquatic ecosystems respond to climate change and human water management? Integrating physiology, populations and food webs.
9:25 --- 9:30	George Roderick: Invasive species in the San Francisco Bay Area: climate change, next generation genomics, and economics.
9:30 --- 9:35	John Harte: Spatial analysis of biodiversity data to test and apply theory--based indicator metrics for effects of global changes in California.
9:35 --- 9:45	Kevin Koy: Berkeley's Ecoinformatics Engine for Understanding Biotic Response to Global Change. Related bioinformatics and landscape projects e.g. ReBioMA; Vegetation Type Mapping (VTM).
9:45 --- 9:50	Andy Rominger: BiGCB Biogeography discussion group
9:50 --- 9:55	Scott Fay: BiGCB Genomics discussion group
9:55 --- 10:10	Discussion
10:10 --- 10:25	BREAK
10:25 --- 10:35	Matthew Potts: Sustainability in an Era of Global Change
10:35 --- 10:45	Lindberg/Finnegan: Marine coastal evolution
10:45 --- 10:55	Tom Bruns: An Emerging Continental View of the Ectomycorrhizal Fungal Diversity
10:55 --- 11:05	John Taylor: Population Genomics of Eukaryotic Microbes.
11:05 --- 11:15	Tom Carlson: Climate change impacts on biocultural systems, ethnobiology, and health
11:15 --- 11:25	David Ackerly: IGERT: Training the next generation of global change scientists - interdisciplinary innovation in organismal biology, biogeochemistry and climate science. Philomathia symposium: Water, Climate, and Society: Challenges and Strategies in a Rapidly Changing World. Bay Area climate change projects.
11:25 --- 11:30	Rosie Gillespie: A community level approach to understanding speciation in Hawaiian lineages.
11:30 --- 11:35	Charles Marshall: Global Change Web Resource; Megafaunal extinction
11:35 --- 12:00	Discussion
12:00 --- 13:20	LUNCH
	Tour of Romberg Tiburon Facility
13:20 --- 13:30	Maggi Kelly: UC's Division of Agriculture and Natural Resources (ANR): the bridge between local issues and the power of UC Research.
13:30 --- 13:40	Future Institutional Structure of the BiGCB
13:40 --- 14:10	Breakout groups = Institutional Structure
14:10 --- 14:30	Overview of Funding Opportunities
14:30 --- 15:00	Break out groups = Research Directions
15:00 --- 15:30	BREAK
15:30 --- 16:30	Break out groups = Research Directions Continued
16:30 --- 17:00	Plenary Wrap up