

***BIGCB Annual Symposium 2011/2012:  
Bridging Organismal Biology and Climate Science***

Rapid rates of change in coupled biological/physical systems, particularly in relation to global change, organismal adaptation, and dynamics of ecological communities

**Thursday February 2, 2012 (Clark Kerr Conference Venue)**

08:00 - 08:30	ARRIVAL AND REFRESHMENTS	
08:30 - 08:50	Charles Marshall	Introduction, goals, and outcomes
08:50 - 09:00	Graham Fleming	Opening remarks on BiGCB

**Session 1: Setting the stage**

09:00 - 09:25	Alex Glazer	Humans, Biology, Climate Change
09:25 - 09:50	William Collins	Physical climate models: current status of future & paleo models
09:50 - 10:15	David Ackerly	Biotic response and rates of change
10:15 - 10:30	<i>Session Discussion</i>	
10:30 - 10:50	BREAK	

**Session 2: Charting the territory**

10:50 - 11:10	Inez Fung	Using biology to force climate
11:10 - 11:30	Jeffrey Chambers	Natural disturbance to ecosystems
11:30 - 11:50	Matthew Potts	Anthropogenic disturbance to ecosystems
11:50 - 12:10	Whendee Silver	Ecosystem ecology, biogeochemical cycling, and the relationships among nutrient cycling, land-use, and biodiversity
12:10 - 12:30	<i>Session Discussion</i>	
12:30 - 13:20	LUNCH	
13:20 - 13:40	Margaret Torn	Natural carbon cycle and anthropogenic influence on the carbon cycle through land use
13:40 - 14:00	Rob Rhew	Biosphere-atmosphere exchange of environmentally important trace gases and the physical and biological controls on those fluxes
14:00 - 14:10	<i>Session Discussion</i>	

**Session 3: Evolutionary and ecological perspectives**

14:10 - 14:30	David Lindberg	Nearshore marine communities: using their past to predict their future
14:30 - 14:50	Mary Firestone	What can the microbes in soil tell us?
14:50 - 15:10	Wayne Getz	Elements of a Program in Computational Population Ecology
15:10 - 15:30	<i>Session Discussion</i>	
15:30 - 15:50	BREAK	

**Session 4: Synthesis, outlook, discussion**

15:50 - 17:00	<i>Discussion</i>	
17:30 - 20:00	FACULTY DINNER (Clark Kerr Conference Venue)	

**Friday February 3, 2012 (Faculty and invited participants; Clark Kerr Campus Break Away rooms)**

Schedule to be developed. (8:30-9:00 = arrival and refreshments; 10:30-11am = AM Break; 1-2pm = Lunch)