

James S. McDonnell Foundation 21st Century Science Initiative
2004 Program Meeting
Nothing Endures But Change
June 7-9, IBM Palisades Conference Center
<http://ibmpalisades.dolce.com/>

Agenda

Monday, June 7

12:00 noon Opening Lunch

1:30-5:00 pm Session 1, *Stress? How much is too much?*
Moderator: Diana Downs, University of Wisconsin – Madison

1:30-1:45 pm Introduction, Susan Fitzpatrick

1:45-2:00 pm Introductory Remarks, Diana Downs

2:00-2:30 pm Mark Noble, University of Rochester Medical Center
The Red Ox, giver of life

2:45-3:00 pm Break

3:00-3:30 pm Claire Kremen, Princeton University
Stressing out ecosystems: the loss of ecosystem services

3:45-4:15 pm Tracey Shors, Rutgers University
Females under stress: why they keep changing their minds

4:30-5:00 pm Discussion

6:30-9:00pm Reception and Dinner

Tuesday, June 8

8:30-12 noon Session II, *To fish or cut bait?: Decisions, decisions, decisions*
Moderator: Liz Phelps, New York University

8:45-9:00 am Introductory Remarks, Liz Phelps

9:00-9:30 am John Foley, University of Wisconsin – Madison

Abrupt Changes in Ecosystems and Climate in Northern Africa: Driving While Blindfolded Through Complex Systems

- 9:45-10:00 am Break
- 10:00-10:30 am Sean Morrison, University of Michigan
A link between stem cell self-renewal and cancer cell proliferation
- 10:45-11:15 am Marc D. Hauser, Harvard University
The evolution of the computational mind
- 11:30-12 noon Discussion
- 12:00 noon Lunch
- 1:30-5:00pm Session III, *Beyond wine and roses: What memories are made of depends on who/what does the remembering*
Moderator: Kathleen McDermott, Washington University
- 1:45-2:00 pm Introductory Remarks, Kathleen McDermott
- 2:00-2:30 pm William Chambers, University of Pittsburgh
Adaptive Immunity: Remembering how best to hit a moving target
- 2:45-3:00 pm Break
- 3:00-3:30 pm Garry Peterson, McGill University
The Engines of Resilience, The Seeds of Control: A Journey into Ecological Memory
- 3:45-4:15 pm Athanassios Siapas, California Institute of Technology
Memory formation in distributed brain circuits
- 4:30-5:00 pm Discussion
- 6:00-7:00pm Poster Session/Reception
- 7:30-9:30pm Dinner

Wednesday, June 9

- 8:30-12 noon Session IV, *Evolving over time: Brains do it, networks do it, and yes—even tumors do it!*
Moderator: Diana Archangeli, University of Arizona
- 8:45-9:00 am Introductory Remarks, Diana Archangeli
- 9:00-9:30 am Leah Krubitzer, University of California – Davis
How does evolution build a complex brain?
- 9:45-10:00 am Break
- 10:00-10:30 am Peter Dodds, Columbia University
It's catching: a generalized model of biological and social contagion
- 10:45-11:15 am David Gutmann, Washington University in St. Louis
The ten commandments of brain tumors: IX. "Honor Thy Neighbor"
- 11:30-12 noon Discussion
- 12:00 noon Closing Lunch