

# Update on BIO Innovation Activities

Presentation to the BIO Advisory Committee

March 18, 2010

# Background

- FY 2009: BIO (partnering with MPS, ENG and SBE) piloted “sandpit” workshop as a novel mechanism for developing, reviewing and supporting potentially transformative research
- FY 2010: NSF budget specifies that each Division set aside \$2M for innovation activities
- In BIO, \$2M in each Division, additional \$8M in EF to leverage Division investments

# Experiments in Innovation

- Proposal Development
- Merit Review
- Community Input

# Ideas Lab (DBI, MCB, DEB)

- Innovations in Biological Imaging and Visualization
  - Facilitate the development of potentially transformative advances in biological image capture, analysis, archiving, and dissemination
- Solicitation released February 12, 2010
- Applications due April 12
- Selection Panel to be held April 22-23
- Ideas Lab to be held May 24-28, Airlie Conference Center

# “Craig’s List” Wiki (IOS)

- Enabling Partnerships to Enable Science (“Tools”) Dear Colleague Letter released March 5, targeted to PIs in IOS and DBI communities
- Incorporates use of a Wiki to facilitate and increase the number of collaborations between end-users and investigators who develop tools and resources
- Wiki to remain open until June 1, 2010; BIO will analyze degree to which interactions on Wiki resulted in submission of EAGERs/RAPIDs

# Under Development

- Experiment in Merit Review (MCB, IOS)
  - Comparing outcomes of standard review of full proposals vs. blind review of two page summaries of idea, significance and impact
- Experiment in Community Input (DEB, DBI)
  - Use of a “Design Charrette” to develop a fully integrated research agenda in a highly collaborative way, for the Dimensions in Biodiversity activity