

## Agenda

Advisory Committee Meeting  
 Directorate for Biological Sciences  
 October 24-25, 2016  
 National Science Foundation  
**Room 1235**

### Monday, October 24<sup>th</sup>

8:00 AM *Light refreshments*

8:30 AM Introductions of members and Agenda Review/Logistics; Approval of BIO AC meeting minutes – Dr. Katherine Gross, Chair, BIO AC

Review of AC Charter, Objectives, and Scope

8:50 AM **Advisory Committee Leading Edge – Introduction**

9:00 AM **AC Leading Edge: Group 1**

<b>Wilfredo Colón</b>	"The Roles of Protein Structure-Stability-Function in the Rules of Life"
<b>Susan Marqusee</b>	"Seeing, Predicting, and Orchestrating the Molecules of Life."

9:45 AM **AC Leading Edge: Group 2**

<b>Randy Nelson &amp; Greg Florant</b>	"Adaptation to Temporal Niches"
<b>Michael Purugganan</b>	"Mapping Rules for Genomes"

10:30 AM Brief Break (10 mins)

10:40 AM Prepare for Director's Visit

11:00 AM Director's Visit – Dr. France A. Córdova

12:00 PM Lunch – On your own

1:00 PM **AC Leading Edge: Group 3**

<b>Paul Turner</b>	“Rules of Microbial Ecology and Evolution; Understanding Earth’s Majority and Their Applied Prospects”
<b>Stephanie Hampton</b>	"Scaling Up Ecology"

1:45 PM **AC Leading Edge: Group 4**

<b>Stacia Sower</b>	“Rules of Life: Phylogenomics and Nomenclature”
<b>Hannah Carey &amp; Margaret Mc-Fall Ngai</b>	“Microbial Integration of the Biosphere: A New Framework for Research and Education”
<b>Brett Tyler</b>	“Contribution of Pathogen Epigenetic Adaptation to the Biodiversity and Resilience of an Old Growth Forest Ecosystem.”

2:30 PM Break

3:00 PM **Discussion groups:** Senior Managers (as listed below) and non-presenting AC Members and Program Directors (at your will)

- **Group 1:** Room 688 (Capacity 15) – Paula Mabee, Rob Miller
- **Group 2:** Room 630 (Capacity 30) – Heinz Gert de Couet, Alan Tessier
- **Group 3:** Room 606 (Capacity 10) – Linda Hyman, Jim Deshler
- **Group 4:** Room 1235 – Muriel Poston, Theresa Good

5:00 PM Adjourn for the day

**Tuesday, October 25th**

- 8:00 AM     *Light refreshments*
- 8:30 AM     NSF's Strategic Planning Process – Stephen Meacham
- 8:45 AM     DBI COV Report – Dr. Elizabeth Kellogg
- 9:15 AM     NEON Update – Dr. James Olds, Assistant Director for Biological Sciences
- 9:30 AM     BIO Update – *10 Big Ideas* – Dr. James Olds, Assistant Director for Biological Sciences
- 10:00 AM    Report from **BIO Senior Managers** on group discussions
- 11:00 AM    Break
- 11:30 AM    Wrap-up and Adjourn