**Agenda**

**BIO Advisory Committee (AC) Meeting**

**National Science Foundation Directorate for Biological Sciences**

**October 29, 2020**

**10:00 AM Introductions and Agenda Review/Logistics**

Carla Cáceres, Chair, BIO AC

Approval of BIO AC Minutes from Spring 2020 Meeting

**10:15 AM BIO Update**

Joanne Tornow, Assistant Director, BIO

**10:50 AM Discussion of Administration Priorities and BIO’s involvement**

**Materials**:

OMB Memo on R&D Priorities for FY2022 [Link](https://www.whitehouse.gov/wp-content/uploads/2020/08/M-20-29.pdf)

**11:15 AM State of Higher Education in the time of COVID-19**

 **Moderator**: Mike Ibba, BIO AC

**Materials**:

* Relevant to students:
	+ News from Chronicle of Higher Education: How has the pandemic affected graduate students? [Link](https://www.whitehouse.gov/wp-content/uploads/2020/08/M-20-29.pdf)
	+ News from Nature. Pandemic and panic for U.S. Graduate Students [Link](https://www.nature.com/articles/d41586-020-02439-6)
	+ Optional: Survey data relevant to Nature article [Link](https://escholarship.org/uc/item/80k5d5hw)
* Relevant to faculty:
	+ Article from Nature Human Behavior. Unequal effects of the COVID-19 pandemic on scientists [Link](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiQi5yEhcvsAhVjl3IEHWpODnAQFjAAegQIAxAC&url=https%3A%2F%2Fwww.nature.com%2Farticles%2Fs41562-020-0921-y&usg=AOvVaw3vvdZCbW9zUSSnsZRi2Bce)
	+ Article from Nature. The career cost of COVID-19 to female researchers [Link](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjwtr2ohcvsAhXboXIEHTRZB1oQFjAAegQIARAC&url=https%3A%2F%2Fwww.nature.com%2Farticles%2Fd41586-020-02183-x&usg=AOvVaw3Z3CDviswkmgRP2pQT_5zW)

**11:45 AM Lunch Break**

**12:30 PM BIO investment in integration**

 **Moderator:** Carla Cáceres, Chair, BIO AC

**Presentations:** BIO Program Officers

* Understanding the Rules of Life: Epigenetics (Karen Cone, BIO/MCB)
* Understanding the Rules of Life: Microbiomes Theory and Mechanisms (Mamta Rawat, BIO/IOS)
* BIO Rules of Life Track, Core Programs (Reed Beaman (BIO/DBI)
* Postdoctoral Fellowships in Biology, Rules of Life Track (Amanda Simcox, BIO/DBI)
* Biological Integration Institute Awards (Anne Sylvester, BIO/IOS)

**1:50 PM Break**

**2:00 PM Joint Session: Committee on Equal Opportunities in Science and Engineering (CEOSE) and BIO AC -- Strategies for Broadening Participation**

 **Moderators:** Jose Fuentes Chair, CEOSE; Alicia Knoedler, Vice Chair, CEOSE; Suzanne Barbour, BIO AC

 **Materials**:

* + - National Academies Report: Minority Serving Institutions: America’s Underutilized Resource for Strengthening the STEM Workforce, Chapter 6 [Link](https://download.nap.edu/cart/download.cgi?record_id=25257&file=173-184)
		- CEOSE Biennial Report to Congress 2017-2018: Investing in Diverse Report 2017-2018 Community Voices, Executive Summary [Link](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjp-oDNh8vsAhWZoXIEHYzKBioQFjAAegQIARAC&url=https%3A%2F%2Fwww.nsf.gov%2Fod%2Foia%2Factivities%2Fceose%2Freports%2FCEOSE_ReportToCongress_RP_FVmp_508.pdf&usg=AOvVaw1XvC8JsPN2zNwfavde64al)

**3:30 PM Break**

**3:40 PM Strategies for Broadening Participation, BIO AC only**

 **Moderator**: Dr. Pat Sorrano, Division Director, BIO/DBI

**4:15 PM** **Around the table**

**4:30 PM Adjourn**

**October 30, 2020**

**10:00 AM Finalize talking points for Director’s visit**

 **Moderator**: Carla Cáceres, Chair, BIO AC

**10:30 AM Visit with NSF Director Sethuraman Panchanathan (“Panch”) and Chief Operating Officer Fleming Crim**

**11:30 AM Break**

**11:45 AM BIO investments in Collections**

 **Moderator:** Lucinda McDade, BIO AC

**Presenter:** Reed Beaman BIO/DBI

**Materials**:

* NAS [Consensus Report](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjw9K2R-KXsAhUklXIEHYmRBuwQFjACegQIAhAC&url=https%3A%2F%2Fwww.nap.edu%2Fresource%2F25592%2FBiological%2520Collections%2520-%25204%2520Pager.pdf&usg=AOvVaw2LbcqwcMwBz1S9uMhEmD0B) on Biological Collections [Link](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwin0vvhicvsAhWMoXIEHSOJDvAQFjAFegQIChAC&url=https%3A%2F%2Fwww.nap.edu%2Fresource%2F25592%2FBiological%2520Collections%2520-%25204%2520Pager.pdf&usg=AOvVaw2LbcqwcMwBz1S9uMhEmD0B)
* Executive Summary of [Report](https://bcon.aibs.org/wp-content/uploads/2019/04/Extending-Biodiversity-Collections-Full-Report.pdf) from the Biodiversity Collections Network (BCoN) [Link](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiO3cD_icvsAhWelXIEHZ8zBKgQFjAEegQIDBAC&url=https%3A%2F%2Fbcon.aibs.org%2Fwp-content%2Fuploads%2F2019%2F04%2FExtending-Biodiversity-Collections-Full-Report.pdf&usg=AOvVaw3FEugvD8LXwXR5MISQ4161)

**12:30 PM AC Summary, Future action items, Wrap-up**

Joanne Tornow, BIO AD

Carla Cáceres, Chair, BIO AC

**12:45 PM Adjourn**