

Collections for the 21st Century
Sponsored by iDigBio and the NSC Alliance
Emerson Hall, University of Florida, Gainesville
5-6 May 2014

May 5

8:00 **Coffee, tea and pastries at Emerson Hall** (1938 W. University Ave.)

8:45 Welcome and introductions: Larry Page, Director, iDigBio
Robert Gropp, Director Public Policy Office, Natural Science Collections Alliance
Doug Jones, Director, Florida Museum of Natural History
Elise LeCompte, Local Organizer, SPNHC 2015 meeting

I. Overviews

9:00 Scott Miller, Smithsonian Institution

Why We Have Natural History Collections

9:30 Greg Riccardi, Florida State University

NIBA, ADBC and iDigBio: Transforming the Landscape

II. Natural History Collections and Research

10:00 Pamela S. Soltis, Florida Museum of Natural History

Phylogenetics and Linking Molecular Data with Collections

10:30 **Morning Break**

Moderator: François Michonneau

11:00 Edwin Scholes, Cornell Lab of Ornithology

The Extended Specimen: Using Media Specimens for Collections-based Ornithological Research

11:30 Jessica A. Maisano, University of Texas at Austin

An Overview of High-Resolution X-ray Computed Tomography (HRXCT) Data Acquisition and Applications

12:00 **Lunch (on your own; list of nearby restaurants in packet)**

Moderator: Claudia Segovia Salcedo

1:30 Dena M. Smith, University of Colorado

A Deep-Time Approach to Studying Environmental Change

2:00 Jason Knouft, Saint Louis University

Climate Change, Hydrology, and Aquatic Species Distributions

2:30 Neil S. Cobb, Northern Arizona University, Katja Seltmann,

American Museum of Natural History, and Nico Franz, Arizona State University

The Current State of Arthropod Biodiversity Data to Address Impacts of Global Change

3:00 **Afternoon Break**

Moderator: Yonggang Liu

III. International Initiatives

3:30 Dora Canhos, Centro de Referência em Informação Ambiental, Brazil

SpeciesLink Network: Tools and Services to Support E-science and Policy-making

- 4:00 Vincent S. Smith, The Natural History Museum, London, UK
No Specimen Left Behind: Collections Digitisation at the Natural History Museum, London
- 4:30 Joanne Daly, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia.
Collections - From Local to Global – Building Strength in an Interconnected Digital World
- 6:30 Reception at Powell Hall: Heavy hors d-oeuvres and cash bar
Buses will leave Holiday Inn at 6:15

May 6

- 8:00 Coffee, tea and pastries at Emerson Hall

Moderator: Libby Ellwood

IV. Biodiversity Collections and NSF

- 8:30 Scott Edwards, U.S. National Science Foundation (NSF)
Opportunities and Challenges for Funding and Sustaining Natural History Collections

V. Natural History Collections in Education and Outreach

- 9:00 Joseph A. Cook, University of New Mexico
Building Critical Scientific Infrastructure for Key Societal Issues
- 9:30 Bruce J. MacFadden, Florida Museum of Natural History
Fossils in the Cloud: Advancing the Broader Impacts of iDigBio

- 10:00 Morning Break

Moderator: Austin Hendy

- 10:30 Anna K. Monfils, Central Michigan University, and Shari Ellis, Florida Museum of Natural History
Students Working in Natural History Collections - What is the Impact?
- 11:00 Gil Nelson, Florida State University
Empowering the Collections Community and Broadening Diversity in Biodiversity Science
- 11:30 Robert Guralnick, University of Colorado
From Biocollections to Global Change Biology: New Conceptual and Cyberinfrastructure Frameworks For Closing The Gap

Lunch (on your own; list of nearby restaurants in packet)

Tuesday Afternoon: Biodiversity-centered activities

- Field trips: If you signed up for a fieldtrip, you will be picked up at the Holiday Inn at 1:30 p.m. If you are visiting Paynes Prairie, you will return to the hotel around 3:30. If you are canoeing the Ichetucknee River, you will return around 6:30.
- Exhibits at Florida Museum of Natural History: Transportation for symposium participants and guests will be provided from the Holiday Inn to Powell Hall at 1:30, and return to the Holiday Inn at 4:00.
- If you are visiting the collections or staff at the Florida Museum of Natural History, you can walk to Dickinson Hall (1 mile; see map in packet).