Workshop Introductions!

Photo courtesy of FLMNH
Molly Phillips

- iDigBio Education and Outreach Coordinator
- Background in natural history collections and ecology
- Interests: Getting digitized biodiversity resources into the classroom and learning more about the world of K-12 education.
Bruce J. MacFadden

Distinguished Professor &
Curator of Vertebrate Paleontology
Director of E&O, iDigBio

Formal & Informal Education experience
• Associate Director in charge of Exhibits & Education, FLMNH (1996-2004)
• Program Officer, Education (EHR), Lifelong Learning, NSF (2009-2010)
• Visiting Scientist, Santa Cruz CA County Office of Education (2015-2016)

Interests
Fossil mammals of the Americas
Broader Impacts of science on society
Museum digitized collections for downstream users
Amy Bolton

- Manager, Deep Time Education and Outreach, NMNH
- Design and develop educational programs, products and spaces.
- Major Projects: Q?rius, digitizing education collections, Deep Time exhibit design and program development, Forensic Anthropology Lab development, Discovery Room redesign.
Jillian Goodwin
iDigBio Project Assistant

• Background: Environmental education, interpretation and natural history

• Interests: Being outside, exploring with my husband and dog, working with kids, and interpreting the importance of utilizing digitized natural history collections in K-12 classrooms and beyond!
Marcia A. Mardis

• FSU School of Information Associate Professor and Assistant Dean of Research & Education
• Background in OER, digital learning, and educational informatics
• Interests: Seamlessly getting digitized biodiversity resources learners’ hands and helping school librarians and teachers work together to create transformative learning experiences!
Shari Ellis

• Trained as a developmental and cross-cultural psychologist
• Joined FLMNH Center for Science Learning in 2001
• Evaluator for iDigBio and partner projects
• Interested in science learning in social contexts
Betty A. Dunckel

• Program Director, Center for Science Learning, Florida Museum
• Background in informal science education
• Interests: Developing programs to foster science interest, engagement & understanding
Liz Shea

• Curator of Mollusks

• Research Interests: biodiversity of cephalopods; deep sea exploration

• Collections Interests: digitizing mollusk collection data with InvertEBase; integrating value-added data into collections datasets; developing a Mollusk digitization workshop at the upcoming American Malacological Society meeting.

• E&O Interests: Developing collections literacy for students and educators; adding collections-based inquiry and activities into informal science education.
Anne Basham, M.Phil, Ed.D

• Education and Outreach Coordinator Arizona State University Natural History Collections
• Project Director Libraries of Life Project
• Education and Outreach SCAN Thematic Collection Network/ co-PI LepNet Project

Areas of research:
• Promoting accessibility to collections and science with marginalized audiences.
• Using 3-D digitization and immersive technologies in developing specimen-based learning tools.

Contact: annebasham@asu.edu
Marlene Hahn

• Research and Herbarium Assistant at The Morton Arboretum.
• Project Manager for our lab’s NSF Carex and NSF Oaks of the Americas grants.
• Former Biology and Accelerated Biology Teacher (9th and 10th grade)
• Interests: Collaborating with teachers and students on scientific research in the lab and the classroom; best practices for educational outreach.
Liz Baird

Chief, School and Lifelong Education
North Carolina Museum of Natural Sciences

Interests – helping people find passion for the natural world.

Experiences – museum educator, classroom teacher, videoconferencing coordinator, school grounds workshop leader, deepwater corals research mission outreach and education, tropical ecology field-based workshop leader
Marc A. Cubeta, Professor

Interests - fungal biology research, teaching and outreach activities

Assoc. Director

Director

NC STATE Center for Integrated Fungal Research

LARRY F GRAND MYCOLOGICAL HERBARIUM
Lisa White, PhD

- Education Director, Museum of Paleontology, UC Berkeley
- Adjunct Professor, San Francisco State Univ.
- Paleontologist and field geologist
- Interests: training the next generation of geoscientists, increasing the diversity in geoscience
Kari Harris

- I have a lot of Jobs...
- Club Coordinator (College of Sciences and Mathematics at Arkansas State University)
- Instructor Biological Sciences (A-State Biology Department)
- ACBC Collections Manager (Arkansas Center for Biodiversity Collections)
- Founder of Natural History Collections Curation Club (NHC3)
- Chair of SPNHC Emerging Professional Committee (Society for the Preservation of Natural History Collections)

- Background: Biology Education, Herbarium Digitization
Jill Karlson (with-a-K)

- Mom to two GREAT girls!
- Director of Public Programming at the Delaware Museum of Natural History since 2013.
- BS in biology/chemistry/oceanography.
- MA in Ed/Museum Ed.
- Giraffe lover...okay I love almost everything about nature...but they’re my favorite!
- Museum goer!
- Wine drinker!
- I believe one person CAN make a difference!
- Yada yada...IDigBio!
Katie Green

• PhD student in STEM Education, North Carolina State University
• Middle school science teacher—12 years
• BA and MS in Anthropology
• Research interests: evolution instruction, integrating the arts into science teaching and learning, the intersection between scientists and educators
Julie A. Evans, Ed.D.
Chief Executive Officer, Project Tomorrow
Chief Researcher, Speak Up Research Project
JEvans@tomorrow.org
@JulieEvans_PT

- Education entrepreneur
- Evaluation lead on +25 HE and K-12 digital learning projects
- Writer, commentator, consultant on digital learning trends
- Passionate about infusing the voices of stakeholders into digital learning discussions & plans
- Committed to the effective use of STEM resources to prepare students for future success

Panel of experts at the Speak Up Congressional Briefing
• K-12 Science Teacher Preparation Research
  • NSF project to redesign Intro Bio for preservice teachers

• Undergraduate Biology Education Research
  • Using digitized collections data in undergraduate introductory biology (BLUE)
  • Flipped and Active Learning Pedagogies
  • Writing to Learn
Castle Kim

• Doctoral Student at Florida State University iSchool
• Background in biology, theater, education, video production, and media design
• Study Interest: STEAM learning for fun science learning and information communication for children. Specifically in developing educational videos with science content integrated into a story/narrative (Scientific Storytelling)
• Ask Castle about Wild Wonders
Austin Conley

- Tour and Outreach Coordinator for the Delaware Museum of Natural History
- Career Focus: Connecting people of all ages to the natural world!
- Herpetology TA at the University of Delaware
- International Turtle Race Announcer
- Great at Halloween Costumes
Cindy Lincoln

cynthia.lincoln@naturalsciences.org
@NaturalistNC @CindyLincoln3 @naturalsciences

• Coordinator, Naturalist Center, NC Museum of Natural Sciences, Raleigh, NC

• Background in botany, plant developmental biology, horticulture, undergraduate teaching, environmental education

• Interests: science communication, museum collections, conservation, native plants, wildlife habitat, travel
Adania Flemming

- iDigBio/UF Graduate Student
- Background in natural history collections, ecology and informal education.
- Interests: Helping K-12 students have a better appreciation of biodiversity, natural history collections and science in general. Empowering students to see that they too can be a scientist regardless of their gender, ethnicity or social background. Learning different approaches to k-12 education.
Colleen Popson

• Experience Design Manager at Smithsonian’s National Museum of Natural History
• Background in collections-based learning, archaeology, and web development
• Interests: Helping audiences connect with the natural world and discover the diverse ways humans have solved problems and interacted with each other and their environment
Susan Butts

- Invertebrate Paleontologist (YPM IP Sr. Coll. Mgr.) who works on fossil preservation and biotic response to climate change
- One of the PIs working on idigpaleo.org – an aggregated fossil database with tools developed for K-12 classroom use
- Really excited to teach the public about collections and collections-based research and let students try it themselves!
Austin Mast

• Professor, Dept. of Biological Science, Florida State Univ.
• Director, FSU’s Robert K. Godfrey Herbarium
• President, Society of Herbarium Curators
• Background in Botany, Biodiversity Informatics, Citizen Science.
• Interests: Plant evolution and ecology, education and outreach (including the Worldwide Engagement for Digitizing Biocollections Event and the Libraries of Life Augmented Reality Project).
Ashley Naranjo

• Learning Initiatives Specialist, Smithsonian Center for Learning and Digital Access
• Background in formal and informal K-12 education
• Interests: Helping museum educators, librarians, teachers and students to use digitized collections to align with their learning goals.
Christine (Chris) Goforth

• Head, Citizen Science, North Carolina Museum of Natural Sciences
• Background in aquatic entomology, college level instruction, science outreach
• Passions: teaching, science, insects, environmental education, nature photography, science/nature blogging
ROB HOFFMAN

- K-12 Science Curriculum & CTE Coordinator
- BS in Biological Sciences and currently earning MA in Education Leadership & an Administrator Credential
- Interests: faith, family, fostering, goofiness, family winery, learning, science educational pedagogy, creating experiences for students, networking, photography