



# CHRIS A. JOHNS

SCIENCE +  
CREATIVE MEDIA

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352.328.6300

## EDUCATION

- **PhD, Biology**  
University of Florida | 2014-2017  
Evolutionary phylogenomics of threatened species on islands. Multimedia as a tool for conservation. Supervisor: Dr. Akito Y. Kawahara
- **BA, Anthropology**  
University of Florida | 2006-2010  
Intersections of biological and cultural diversity. Supervisor: Dr. John Krigbaum

## EXPERIENCE

- **Producer and Consultant**  
Freelance | 2012-PRES  
Multimedia producer specializing in science and conservation projects. Creative imaging solutions, documentary film, and graphic design.
- **National Geographic Student Expd.**  
Trip Leader | JUL 2016, JUL 2017
- **Pu'u Kukui Watershed Preserve**  
Field Technician | 2010-2011
- **Hawai'i Youth Conservation Corps**  
Team Leader, Member | JUL 2010, JUL 2008

## GRANTS/AWARDS

2018 University of Florida Biology Department Teaching Award  
2017 University of Florida Office of Research Grant  
2017 Michael L. May Interdisciplinary Research Grant  
2016 International Biodiversity Foundation Documentary Production Grant  
2015 Florida Biodiversity Foundation Invitational Speaker Grant  
2015 Florida Museum of Natural History Travel Award  
2015 North American Nature Photographers Association College Summit Scholarship  
2014 National Science Foundation Graduate Research Fellowship  
2014 National Geographic Society Young Explorer Grant  
2014 Florida Museum of Natural History Lockhart Fellowship Endowment  
2014 UF Tropical Conservation and Development Field Research Grant  
2014 Entomological Society of America Systematic and Evolutionary Biology Travel Award  
2013 Entomological Society of America President's Prize  
2013 Lepidopterists' Society Alexander Klots Best Student Poster Award

## PUBLICATIONS

Johns, C.A., Toussaint, E.F.A., Breinholt, J.W., Kawahara, A.Y. 2018. Origin and macroevolution of micro-moths on sunken Hawaiian Islands. *Proceedings of the Royal Society London B* 285(1885).

Kobayashi, S., Johns, C.A., Lopez-Vaamonde, C., Doorenweerd, C., Kawakita, A., Ohshima, I., Lees, D.C., Hanabergh, S., Kawahara, A.Y. 2018. Descriptions of two new species and biological data of Hawaiian *Philodoria* (Lepidoptera, Gracillariidae, Ornixolinae) leaf mining moths on *Myrsine* (Primulaceae). *ZooKeys* 773.

Johns, C.A., Moore, M.R., Kawahara, A.Y. 2016. Molecular phylogeny, revised higher classification, and implications for the conservation of endangered Hawaiian leaf-mining moths (Lepidoptera: Gracillariidae: *Philodoria*). *Pacific Science* 70(3).

Johns, C.A., Tangalin, N., Bustamente, K., Kawahara, A.Y. 2014. Evidence of an undescribed, extinct *Philodoria* species (Lepidoptera: Gracillariidae) from Hawaiian *Hesperomannia* herbarium specimens. *Proceedings of the Hawaiian Entomological Society* (46).

Kobayashi, S., Johns, C.A., Kawahara, A.Y. 2017. A revision of the Hawaiian endemic genus *Philodoria* Walsingham with descriptions of twelve new species (Lepidoptera, Gracillariidae). In prep.



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## TEACHING

### ● Creative Science Communication

Curriculum Designer and Instructor  
University of Florida | FALL 2017, FALL 2016

Description: A graduate course designed to equip scientists with a broad range of creative concepts and digital media production skills to enhance their research programs and personal branding.

### ● Principles of Entomology

University of Florida | SPRING 2014

Basic entomology for non-major undergraduate students, emphasizing insect systematics, conservation, and biology

## SELECT PRESENTATIONS

- Johns, C.A. 2018. Evolutionary history of *Philodoria* and what Hawaii's endemic leaf miners tell us about sunken volcanic islands. University of the Philippines, Dilliman. **Invited speaker.**
- Johns, C.A., Klempner, D. 2017. Fundamentals of Design Thinking. Alliance for the Arts in Research Universities Annual Summit, University of Florida, Gainesville, FL. **Invited speaker.**
- Johns, C.A. 2017. Video post-production toolkit for the scientist. Broader Impacts graduate course, University of Florida, Gainesville, FL. **Invited speaker.**
- Johns, C.A. 2017. Earth Explorers: Hawai'i's microscopic moths. NG Nights event, National Geographic, Washington D.C. **Invited speaker.**
- Johns, C.A. 2017. National Geographic Young Explorers: Microfauna of Pacific island mountains. Telluride Mountain Film Festival, Telluride, CO. **Invited speaker.**
- Johns, C.A. 2017. Microorganisms of the Hawaiian Islands. Family Day event, National Geographic, Washington D.C. **Invited speaker.**
- Johns, C.A. and Kawahara, A.Y. 2016. Using conservation media to raise awareness for endangered Hawaiian leaf miners. International Congress on Entomology, Orlando, FL.
- Johns, C.A., Brienholt, J.W., Kawahara, A.Y. 2014. *Philodoria*: leaf miners of the Hawaiian Islands. International Symposium on Gracillariidae, Kozagawa, Japan.
- Johns, C.A., Rubinoff, D., Kawahara, A.Y. 2014. *Philodoria*: the endangered leaf miners of the Hawaiian Islands. Hawaiian Conservation Conference, Honolulu, HI.
- Johns, C.A., Rubinoff, D., Kawahara, A.Y. 2013. Preliminary molecular phylogeny of Hawaiian leaf mining *Philodoria* (Lepidoptera: Gracillariidae). Entomological Society of America Annual Meeting, Austin, TX. **First Place Graduate Student Oral Presentation, President's Prize.**
- Johns, C.A., Rubinoff, D., Kawahara, A.Y. 2013. Preliminary molecular phylogeny of Hawaiian leaf mining *Philodoria* (Lepidoptera: Gracillariidae). Lepidopterists' Society Annual Meeting, Gainesville, FL. **Alexander Klots Best Student Poster Award.**

## TOOLS

- Adobe Ps, Ai, Id, Lr, Pr, Ae, Au – Proficient
- Apple Final Cut Pro, Keynote – Proficient
- Maxon C4D – Basic
- Windows, Mac OSX, and Linux – Proficient
- Microsoft Office Suite – Proficient
- ESRI ArcGIS – Experienced
- Python – Experienced

## CERTIFICATIONS

- S-130/S-190 Wildland Firefighter
- B-3 Helicopter Safety
- Petzl Rapid Ascent Descent, Single Rope
- VITEC Geographic Information Systems
- First Aid, CPR (BLS)