

# Kyle E. Jaynes

## *Curriculum Vitae*

Kellogg Biological Station | Michigan State University  
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## EDUCATION

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- 2018 - **Ph.D. Candidate in Integrative Biology & Ecology, Evolution, and Behavior**  
Michigan State University, East Lansing, MI  
Graduate Certificate in College Teaching  
*Advisor: Sarah W. Fitzpatrick*
- 2018 **B.A. Biology and Environmental Science**, Adrian College, Adrian, MI  
*Summa Cum Laude* with Departmental Honors in Biology  
Senior thesis project with Smithsonian's National Museum of Natural History  
*Honors thesis mentor: Rayna C. Bell*
- 2016 **A.A.S. Environmental Science**, Jackson Community College, Jackson MI  
*High Honors*

## FUNDING

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### Awards and Fellowships (total = \$75,800):

- 2021 Research Coordination Network for Evolution in Changing Seas (RCN-ECS),  
Temporal Genomics Working Group Fund (Role: Co-PI with 6 others, PI: René  
Clark) **(\$10,000)**
- 2020 NSF Graduate Research Fellowship Program Honorable Mention
- 2020,21 KBS Academic Science Education and Outreach Fellowship **(\$20,000)** (x2)
- 2020,21 KBS Summer Science Education and Outreach Fellowship **(\$2,500)** (x2)
- 2019 KBS Project-Based Science Education and Outreach Fellowship **(\$3,000)**
- 2018 American Society of Ichthyologists and Herpetologists, Clark Hubbs International  
Travel Award **(\$800)**
- 2017 NSF Research Experience for Undergraduates (REU) Fellowship (x3)  
*\*National Museum of Natural History, Smithsonian Institution (\$6,000)*  
*\*Kellogg Biological Station, Michigan State University (\$5,750) (declined for NMNH)*  
*\*Kansas State University, Department of EEB (\$5,250) (declined for NMNH)*

Research Grants (total = \$50,120):

- 2020 MSU Dr. Marvin Hensley Endowed Scholarship in Zoology (\$6,750)  
2020 American Society of Ichthyologists and Herpetologists Gage Award (\$1,000)  
2020 KBS Summer Research Fellowship (\$5,500)  
2020 MSU Center for Latin American & Caribbean Studies Tinker Field Grant (\$2,000)  
2020 MSU Ecology, Evolutionary Biology, and Behavior Research Fellowship (\$2,100)  
2020 MSU International Studies Program Walker Hill International Award (\$2,000)  
2019 National Geographic Society Early Career Grant (\$8,770)  
2019 KBS Summer Research Fellowship (\$2,000)  
2019 MSU Genomics Core - Illumina Partnership Grant (Role: collaborator, co-wrote proposal; PI: S.W. Fitzpatrick) (\$20,000)

## **PUBLICATIONS**

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*\*denotes equal contribution*

Published:

Jaynes, K.E., E. Myers, R.C. Drewes, and R.C. Bell. 2021. New evidence reinforces distinctiveness of the island-endemic Príncipe Giant Tree Frog (Arthroleptidae: *Leptopelis palmatus*). *The Herpetological Journal*. (In press).

Jaynes, K.E. 2020. *Atelopus coynei* (Coyne's Harlequin Frog). Reproduction. *Herpetological Review* 51(4):812-813.

Submitted or in prep:

Jaynes, K.E.\*, Myers, E.A.\*, V. Gvoždík, D.C. Blackburn, D.M. Portik, E. Greenbaum, G.F.M. Jongsma, M.O. Rödel, G. Badjedjea, A. Bamba-Kaya, N.L. Baptista, J.B. Akuboy Bondongola, R. Ernst, M.T. Kouete, C. Kusamba, F.M. Masudi Muenyemali, P.J. McLaughlin, L.M. Nneji, A.B. Onadeko, J. Penner, P. Vaz Pinto, B.L. Stuart, E. Tobi, A.G. Zassi-Boulou, A.D. Leaché, M.K. Fujita, and R.C. Bell. *In Review*. Diversification of Giant Treefrogs in West and Central Africa: Isolation by barriers, climate, and reproductive traits.

Jaynes, K.E., M.I. Páez-Vacas, D. Salazar-Valenzuela, J.M. Guayasamin, A. Terán, S.W. Fitzpatrick, and L.A. Coloma. *In prep*. Species rediscoveries provide insights into mechanisms of persistence and suggest a turning point in the amphibian decline crisis.

## **TEACHING**

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Guest Lectures:

- 2020 IBIO 357 – Global Change Biology (Michigan State University)
- 2019 BS 162 – Organismal and Population Biology (Kellogg Biological Station, MSU)
- 2018 IBIO 306 - Invertebrate Biology (Michigan State University)

Graduate Teaching Assistant: KBS = Kellogg Biological Station MSU = Michigan State University

- 2020,21 FW 417 – Wetland Ecology & Management (KBS)
- 2019 BS 162 - Organismal and Population Biology (KBS)
- 2019 IBIO 445 - Evolution (MSU)
- 2018 IBIO 306 - Invertebrate Biology (MSU)

Undergraduate Tutor:

- 2018 BIOL 104 - Animal Biology (Adrian College)
- 2017 BIOL 103 - Plant Biology (Adrian College)
- 2016 English Writing Fellow (Jackson Community College)  
*\*Tutored English Student Inmates at Cooper Street Correctional Facility*

## PRESENTATIONS

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Conferences:

- 2018 Joint Meeting for Ichthyologists and Herpetologists, Rochester, NY. (Poster).
- 2018 Adrian College Ribbons of Excellence Symposium, Adrian, MI. (Contributed Talk).
- 2017 Council for Undergraduate Research, Alexandria, VA. (Poster).  
*\* Nominated by the REU site program director, NMNH, Smithsonian Institution*
- 2017 Natural History Research Experiences Symposium, Washington, D.C. (Poster).

Seminars:

- 2020 Brown Bag Seminar, Kellogg Biological Station
- 2020 Evolution Education Workshop, Kellogg Biological Station

## PROFESSIONAL DEVELOPMENT AND SERVICE

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Community Engagement and Outreach:

- 2021 MSU 'Ask a Scientist' Program  
*Michigan State University Science Festival*
- 2020- Biodiversity Science and Careers After-School Enrichment Program  
*Kalamazoo Public Schools + Kellogg Biological Station, Kalamazoo, MI*
- 2020- Exploring with a Scientist Program (Amphibians and Reptiles)  
*Kellogg Biological Station, Michigan State University*
- 2020- Science Education and Outreach Fellow

- 2020 *Kellogg Biological Station, Michigan State University*  
K12 Summer Institute Event Coordinator
- 2020 *Kellogg Biological Station, Michigan State University*  
Evolution Education Workshop for K12 Teachers (Invited Speaker)
- 2019 *Kellogg Biological Station, Michigan State University*  
K12 Summer Institute Organizer (eDNA classroom activity)
- 2018 *Kellogg Biological Station, Michigan State University*  
Science Olympiad Regional Event Supervisor (Disease Detectives)
- Department of Biology, Adrian College*
- 2017-2018 Adopt-A-Stream Assistant Coordinator  
*River Raisin Watershed Council, Adrian MI*
- 2017 Expert is in - Museum Outreach Day  
*National Museum of Natural History, Smithsonian Institution*

University Service:

- 2020- Culture and Inclusion Committee Member  
*Kellogg Biological Station, Michigan State University*
- 2019- Molecular Ecology and Genomics (MEG) Lab Assistant Coordinator  
*Kellogg Biological Station, Michigan State University*
- 2019-2020 Seminar Committee Member  
*Kellogg Biological Station, Michigan State University*
- 2018-2019 Graduate Affairs Committee Member  
*Dep. Integrative Biology, Kellogg Biological Station, Michigan State University*

Reviewer:

Conservation Science and Practice (1)

Professional Society Memberships:

American Society of Ichthyologists and Herpetologists (ASIH)  
Society for the Study of Amphibians and Reptiles (SSAR)  
Society for the Study of Evolution (SSE)