

# 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 = \$83,300):

- 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 **(\$24,000)** (x2)
- 2020,21 KBS Summer Science Education and Outreach Fellowship **(\$2,250)** (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 = \$51,370):

- 2020 MSU Dr. Marvin Hensley Endowed Scholarship in Zoology (**\$6,750**)  
2020 American Society of Ichthyologists and Herpetologists Gaige Award (**\$1,000**)  
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**)  
2019-21 KBS Summer Research Fellowship (**\$3,583**) (x3)  
2019 National Geographic Society Early Career Grant (**\$8,770**)  
2019 MSU Genomics Core - Illumina Partnership Grant (Role: collaborator, co-wrote proposal; PI: S.W. Fitzpatrick) (**\$20,000**)

## **PUBLICATIONS**

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*Character denotation: \*equal contribution*

Submitted / In review:

**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: a turning point in the amphibian decline crisis?

**Jaynes, K.E.\***, Myers, E.A.\*, V. Gvoždík, D.C. Blackburn, D.M. Portik, E. Greenbaum, G.F.M. Jongasma, 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. (2021). Diversification of Giant Treefrogs in West and Central Africa: Isolation by physical barriers, climate, and reproductive traits. *Molecular Ecology* (in revision).

Published:

2021

**Jaynes, K.E.**, E. Myers, R.C. Drewes, and R.C. Bell. (2021). New evidence for distinctiveness of the island-endemic Príncipe Giant Tree Frog (Arthroleptidae: *Leptopelis palmatus*). *Herpetological Journal* 31(3):162-169.

2020

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

## **TEACHING AND MENTORING**

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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)
- 2018 IBIO 306 - Invertebrate Biology (Michigan State University)

Graduate Teaching Assistant:

- 2020,21 FW 417 – Wetland Ecology & Management (Kellogg Biological Station)
- 2019 BS 162 - Organismal and Population Biology (Kellogg Biological Station)
- 2019 IBIO 445 - Evolution (Michigan State University)
- 2018 IBIO 306 - Invertebrate Biology (Michigan State University)

Undergraduate Tutor:

- 2018 BIOL 104 - Animal Biology (Adrian College)
- 2017 BIOL 103 - Plant Biology (Adrian College)
- 2016 English Writing Fellow (Jackson Community College)

Mentorship:

- 2021 Samantha Pendrick (Undergraduate Research Assistant (URA), MSU)

## 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:

- 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  
*Kellogg Biological Station, Michigan State University*
- 2020- K12 Summer Institute Event Coordinator  
*Kellogg Biological Station, Michigan State University*
- 2021 MSU 'Ask a Scientist' Program  
*Michigan State University Science Festival*
- 2020 Evolution Education Workshop for K12 Teachers (Invited Speaker)  
*Kellogg Biological Station, Michigan State University*
- 2019 K12 Summer Institute Organizer (eDNA classroom activity)  
*Kellogg Biological Station, Michigan State University*
- 2018 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:

- 2021- Culture and Inclusion Committee Co-Chair  
*Kellogg Biological Station, Michigan State University*
- 2020-2021 Culture and Inclusion Committee Member  
*Kellogg Biological Station, Michigan State University*
- 2019-2021 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 Evolution (SSE)