

Dr. JACKIE L. CHILDERS

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EDUCATION

- UNIVERSITY OF CALIFORNIA, BERKELEY**
Berkeley, California- Ph.D. Integrative Biology 2022
- VILLANOVA UNIVERSITY**
Villanova, Pennsylvania- M.S. Biology 2016
- UNIVERSITY OF CALIFORNIA, BERKELEY**
Berkeley, California- B.S. Conservation and Resource Studies 2012

PEER REVIEWED PUBLICATIONS

- Parrinha, D., Marques, M.P., Heinicke, M.P., Khalid, F., Parker, K.L., Tolley, K.T., **Childers, J.L.**, Conradie, W., Bauer, A.M., Ceriaco, L.M.P. 2021. A revision of the genus *Pedioplanis* Fitzinger (Squamata: Lacertidae) from Angola, with the description of a new species. *Zootaxa* 5032(1), 1–46.
- Childers, J.L.**, Kirchoff, S. & Bauer, A.M. 2021. Lizards of a different stripe: Phylogenetics of the *Pedioplanis undata* species complex (Squamata: Lacertidae), with the description of two new species. *Zoosystematics and Evolution* 97(1): 249–272.
- Childers, J.L.**, Singh, K., Koo, M.S., 2020. *Dicamptodon tenebrosus* (Pacific Giant Salamander). *Diet. Herpetological Review* 51(4): 806–807.
- Bauer, A.M., **Childers, J.L.**, Murdoch, H. 2020. A reevaluation of the Sandveld Lizards *Nucras* (Squamata: Lacertidae) of Namibia. *Amphibian and Reptile Conservation* 14(3) [Taxonomy Section]: 231–250 (e271).
- Bauer, A.M., **Childers, J.L.**, Broeckhoven, C., Mouton, P. LF. N., 2019. A new *Nucras* Gray, 1838 (Squamata: Lacertidae) from the Strandveld of the Western Cape, South Africa. *Zootaxa* 4560(1): 149-163.
- Eifler, D.A., Eifler, M., Malela, K., **Childers, J.L.**, 2016. Social networks in the Little Scrub Island Ground Lizard (*Ameiva corax*). *Journal of Ethology* 34(3): 343–348.
- Childers, J.L.** & Eifler, D.A., 2015. Intraspecific behavioural variation in the lacertid lizard *Meroles cuneirostris* (Strauch, 1867) (Sauria: Lacertidae). *African Journal of Herpetology* 64(1): 54–66.
- Childers, J.L.** & Eifler, D.A., 2014. *Meroles cuneirostris* (Wedge-snouted Sand Lizard). Cannibalism. *Herpetological Review* 44: 675–676.
- Manuscripts in review
- Childers, J.L.**, Yoshino, T., Yang, E., Russell, D.G.D. Solving a nearly 200-year mystery to identify the oldest avian nest specimen in the Natural History Museum London. *Bulletin of the British Ornithologists' Club*.

Childers, J.L., Jackman, T.R., & Bauer, A.M. Phylogenetics and phylogeography of the Namaqua Sand Lizard *Pedioplanis namaquensis* (Duméril and Bibron, 1839) (Sauria: Lacertidae) with the description of a new species from Namibia.

AWARDS & FELLOWSHIPS	<p>POSTDOCTORAL RESEARCH FELLOWSHIP IN BIOLOGY <i>Spring 2022</i> <i>National Science Foundation</i> \$138,000 supporting funds for research project “The evolution of an avian color palette: understanding the roles of genes, environment, and life history underlying egg and feather color in weaver birds (Ploceidae)” under PRFB proposal area “Rules of Life Governing Interactions Between Genomes, Environment and Phenotypes”</p> <p>OUTSTANDING GRADUATE STUDENT INSTRUCTOR AWARD <i>Spring 2022</i> <i>University of California, Berkeley</i> \$200; Recognition of excellence in teaching Human Anatomy Lab (Fall 2021)</p> <p>PHILOMATHIA FELLOWSHIP IN ENVIRONMENTAL SCIENCES <i>Spring 2021, 2022</i> <i>University of California, Berkeley</i> \$20,000 (2021) and \$17,000 (2022) stipend award</p> <p>MVZ JOSEPH MAILLIARD GRADUATE FELLOWSHIP <i>Fall 2020</i> <i>University of California, Berkeley</i> \$12,500 stipend for Fall semester</p> <p>SURF SMART MENTORSHIP PROGRAM <i>May 2020</i> <i>University of California, Berkeley</i> \$5000 to support summer doctoral research.</p> <p>ROCCA PRE-DISSERTATION SUMMER RESEARCH AWARD <i>May 2019</i> <i>University of California, Berkeley - Center for African Studies</i> \$4000 to support summer doctoral research.</p> <p>MUSEUM OF VERTEBRATE ZOOLOGY KARL KOFORD FUND <i>April 2019</i> <i>University of California, Berkeley</i> \$1000 for the purpose of doctoral research costs.</p> <p>MVZ ALBERT PRESTON HENDRICKSON FUND <i>April 2018</i> <i>University of California, Berkeley</i> \$1500 for the purpose of doctoral research costs.</p> <p>MUSEUM OF VERTEBRATE ZOOLOGY LOUISE KELLOG FUND <i>April 2017</i> <i>University of California, Berkeley</i> \$2000 for the purpose of doctoral research costs.</p> <p>CHANCELLOR’S FELLOWSHIP FOR GRADUATE STUDY <i>March 2016</i> <i>University of California, Berkeley</i> Tuition waiver and a \$30,000 a year living stipend for doctoral students at UC Berkeley.</p> <p>SUMMER RESEARCH FELLOWSHIP <i>May 2014, 2015</i> <i>Villanova University</i> \$1670 of financial support given to graduate students conducting summer research</p> <p>SEMESTER RESEARCH FELLOWSHIP <i>May 2014</i> <i>Villanova University</i> \$6,140 of financial support for a full semester awarded to second-year graduate students.</p> <p>GRADUATE STUDENT SUMMER FELLOWSHIP <i>March 2014</i> <i>Villanova University</i> \$1500 awarded to first-year graduate students for summer research.</p> <p>BIODIVERSITY SCHOLARSHIP AWARD <i>May 2012</i> <i>Museum of Vertebrate Zoology, University of California Berkeley</i> \$2500 award for the purpose of funding my continued work at the Museum of Vertebrate Zoology as a curatorial assistant post-graduation.</p>
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MUSEUM EMPLOYMENT & EXPERIENCE

<p>CURATORIAL ASSISTANT <i>2009-2013, 2015-2016</i> <i>Museum of Vertebrate Zoology, University of California, Berkeley</i> Catalogued reptile and amphibian specimens by inventorying both ethanol and tissue specimens, entering primary data on to the museum database, and installing specimens into the collection. Other tasks included leading tours for UC Berkeley students and donors, training volunteers, and issuing specimen loans to other academic institutions.</p> <p>CAL DAY COORDINATOR <i>2015-2016</i></p>
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Museum of Vertebrate Zoology, University of California, Berkeley

Oversaw and managed the Cal Day public outreach program at the Museum of Vertebrate Zoology during which we received nearly 3,000 visitors.

MUSEUM ARCHIVIST

2016

Museum of Vertebrate Zoology, University of California, Berkeley

Catalogued historical photos for the Museum of Vertebrate Zoology's Archives Project.

SPECIMEN PREPARATOR

Experienced in preparing museum skeletal specimens, whole ethanol specimens, and bird study-skins.

TEACHING & MENTORING

STUDENT MENTOR- URAP PROGRAM

Spring 2019-Present

Museum of Vertebrate Zoology, University of California, Berkeley

Supervised 10 undergraduate student apprentices as they assisted with my doctoral project "Architectural Innovation and Evolution of Weaverbird Nests". Students were trained to collect morphological data using image processing software (ImageJ), sanger-sequencing lab work and gained direct, hands-on experience with the proper handling of bird museum specimens.

GRADUATE STUDENT INSTRUCTOR

2019-Present

Goldman School of Public Policy, University of California, Berkeley

- Leadership Applied to the Self, in Dyads and Writ Large (Spring 2021)
- Public and Non-Profit Leadership (Fall 2021)

Department of Integrative Biology, University of California, Berkeley

Instructed and lectured the laboratory sections for the following classes:

- Evolutionary Medicine (IB169) (Spring 2021)
- Natural History of the Vertebrates (IB104) (Spring 2020, Spring 2022)
- General Human Anatomy (IB131L) (Fall 2019) (Fall 2021)

TEACHING ASSISTANT

2013-2014

Department of Biology, Villanova University

Instructed and lectured the laboratory sections for the following classes:

- General Biology (Fall 2013/Spring 2014)
- Biology and Politics (Fall 2014)
- Heredity and Human Affairs (Fall 2014)

FIELD

RESEARCH EXPERIENCE

SULAWESI, INDONESIA

Nov.-Dec. 2017

Biodiversity expedition – Bird, mammal, insect, reptile and amphibian survey across an elevational transect through Bulu (Mt.) Torompupu in Central Sulawesi. Fieldwork was conducted with a large multi-institutional team including representatives from UC Berkeley, Louisiana State University, the American Museum of Natural History, Museums Victoria (Melbourne, Australia), and the Indonesian Institute of Sciences (LIPI). Primarily responsible for surveying, capturing, and collecting genetic samples from birds.

BORNEO, MALAYSIA

June 2015

Biodiversity expedition – Amphibian and reptile survey with Benjamin Karin (Villanova University), Ian Brennan (Villanova University) and Adi Shabrani (University of Malaysia Sarawak).

NAMIBIA, SOUTH AFRICA

June-July 2014

Biodiversity expedition – Amphibian and reptile survey with Dr. Aaron Bauer (Villanova University), Dr. Matthew Heinicke (University of Michigan-Dearborn), Dr. William Branch (Port Elizabeth Museum, South Africa), Johan Marais (African Snakebite Institute), and Sebastian Kirchhof (Museum für Naturkunde, Germany).

GOBABEB RESEARCH & TRAINING CENTRE, NAMIBIA

Dec. 2011-Jan. 2012

Field study – Behavioral ecology of the Wedge-snouted Lizard (*Meroles cuneirostris*) with Dr. Douglas Eifler (Erell Institute, Kansas) and Dr. Maria Eifler (Erell Institute, Kansas).

ANGUILLA, BRITISH WEST INDIES

June–July 2011

Field study – Social ecology of the Little Scrub Island Ground Lizard (*Ameiva corax*) with Dr. Douglas Eifler, Dr. Maria Eifler, and Keoleboge Malela (Okavango Research Institute, University of Botswana).

PRESENTATIONS

Conference Presentations

Childers, J.L., Habig, R., Lahti, D. Bowie, RCK. Nature’s basket weavers: evolutionary relationship between beak shape and nest design in weavers. Oral Presentation. American Ornithological Society (AOS) and Birds Caribbean (BC) Joint Meeting. San Juan, Puerto Rico, June 2022.

Childers, J.L., Bowie, RCK. Evolution of Elaborate Nest Design in the Old World Weavers (Ploceidae). Oral Presentation. Society for Integrative and Comparative Biology (SICB). Virtual Meeting, January–February 2021.

Childers, J.L., Bauer, A.M., Jackman, T.R. Phylogeography and Systematics of the Namaqua Sand Lizard *Pedioplanis namaquensis* and the Specific Recognition of a Long-Synonymised Taxon from Namibia. Oral Presentation. Joint Meeting of Ichthyologists and Herpetologists (JMIH). Rochester, New York, July 2018.

Childers, J.L., Bauer, A.M., Jackman, T.R. The molecular phylogenetics and phylogeography of southern African sand lizards in the genus *Pedioplanis* (Sauria: Lacertidae). Oral Presentation. Society for the Study of Amphibians and Reptiles (SSAR). Lawrence, Kansas, August 2015.

Childers, J.L., Eifler, D., Eifler, M. Age-dependent behavioral variation in the lizard *Meroles cuneirostris*. Poster Presentation. World Congress of Herpetology 7, Vancouver, British Columbia, August 2012.

Seminars and Invited Talks

Childers, J.L. Evolution of elaborate nest design in Weavers. Invited seminar speaker. Western Foundation of Vertebrate Zoology, Camarillo, California, February 2021.

Childers, J.L. Phylogenetics and phylogeography of southern African *Pedioplanis* (Sauria: Lacertidae). Invited speaker. Gobabeb Training and Research Centre, Namibia, May 2016.

Childers, J.L. Adventures in Namibia to uncover phylogenetic and phylogeographic patterns within southern African Sand Lizards (Lacertidae: *Pedioplanis*) Museum of Vertebrate Zoology Herpetology Seminar. UC Berkeley, February 2016.

Childers, J.L. Age and Sex-dependent behavioral variation in the Wedge-snouted Lizard (*Meroles cuneirostris*): How I spent five weeks staring at lizards in the Namib Desert. Museum of Vertebrate Zoology Herpetology Seminar. UC Berkeley, April 2012.

**PROFESSIONAL SERVICE
& PUBLIC OUTREACH**

STUDENT JOURNALIST INTERNSHIP

Spring 2021

Society for Integrative and Comparative Biology- Public Affairs Committee

Published two press releases for the Society for Integrative and Comparative Biology, including an article on ecosystem health and light pollution (research by Meredith Kernbach and colleagues), and another on the impact of the pandemic lockdowns on avian behavior; article link: [“The sweeter and softer bird songs of the COVID-19 pandemic”](#).

INTEGRATIVE BIOLOGY WOMEN IN SCIENCE

2016-2020

Department of Integrative Biology, University of California Berkeley
Board member (2017) and attendee

JOURNAL REVIEWER

African Journal of Herpetology
Journal of Animal Ecology
Vertebrate Zoology
Zoonova

2015-Present

DEPARTMENTAL SOCIAL EVENTS COORDINATOR

Department of Integrative Biology, University of California Berkeley

2015-2016

MUSEUM OF VERTEBRATE ZOOLOGY ARCHIVES BLOG

Contributing writer

Childers, J.L. The woman beyond the portrait: Annie and Samuel Alexander's 1904 expedition to East Africa. MVZ Archives Blog. UC Berkeley, 17 October 2016.
<https://mvzarchives.wordpress.com/2016/10/17/the-woman-beyond-the-portrait-annie-and-samuel-alexanders-1904-expedition-to-east-africa/>

Fall 2016

ELECTRONIC DATABASES

iNaturalist contributor
eBird contributor
The Reptile Database- Editor and photographic contributor
Lacerta.de- Photographic contributor

SOCIETY AFFILIATIONS

SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY (SICB)
AMERICAN ORNITHOLOGICAL SOCIETY (AOS)
HERPETOLOGICAL ASSOCIATION OF AFRICA (HAA)
SOCIETY FOR THE STUDY OF AMPHIBIANS AND REPTILES (SSAR)
SOCIETY FOR THE STUDY OF EVOLUTION (SSE)