

CURRICULUM VITAE
EDWARD LEO STANLEY

ADDRESS:

Department of Herpetology
California Academy of Sciences
55 Music Concourse Drive
San Francisco, CA, 94118

Office telephone: (415) 379-5185 | e-mail: estanley@calacademy.org

EDUCATION:

2009-2013 **Richard Gilder Graduate School**, American Museum of Natural History, NY
Ph.D. Comparative Biology [Systematics and morphological diversification of the Cordylidae (Squamata)]

2007-2009 **Villanova University**, Villanova, PA

M.S. Biology [Evolutionary relationships within the family Cordylidae (Squamata)]

2003-2004 **University of Richmond**, Richmond, Virginia
Study abroad program

2001-2005 **University of St Andrews**, St. Andrews, Scotland
B.Sc Hons. (2.1) Zoology

1995-2000 **Bryanston School**, Blandford, Dorset, England
Biology, Chemistry and Physics A-levels
Geology AS-level

EMPLOYMENT AND RESEARCH POSITIONS:

Research Associate, American Museum of Natural History, New York, NY
August October 2013 – present

Postdoctoral researcher, California Academy of Sciences, San Francisco, CA
October 2013 – present

Research Fellow, American Museum of Natural History, New York, NY
August 2009 – September 2013

Invited lecturer, Herpetology (Geographic Information Systems) 2013. Villanova University, Villanova, PA
March 2013

Adjunct lecturer, BIO 3010. Comparative Anatomy. Baruch College, New York, NY
Fall semester 2011

Teaching assistant, CT Scanning: Seminar and Research Practicum. American Museum of Natural History, New York, NY.
June and July 2011

Co-Investigator of the Reptile Speciation Project: *Cordylus Warreni* Complex
South African National Biodiversity Institute, Kirstenbosch, RSA.
October – November 2008

Research Fellow, Villanova University, Villanova, PA
September 2008 – May 2009

Teaching Assistant, Villanova University, Villanova, PA
General Biology: Fall semester 2007.
Evolution: Spring semester 2008.

Rights of Way Surveyor, Somerset County Council, Somerset, England
July 2006 – July 2007

Behavioural Biology Research, University of St. Andrews, St. Andrews, Scotland
July 2005 to December 2005

Aquarist, St. Andrews Aquarium, St. Andrews, Scotland
February 2003 – June 2006

Animal carer and Laboratory assistant, University of Richmond, Richmond, VA
August 2003 – August 2004

Volunteer, Shamwari Game Reserve, Shamwari, South Africa
March 2001 – July 2001

HONORS, AWARDS AND FELLOWSHIPS

Best Student paper. 11th conference of the Herpetological Association of Africa. March 2013

Doctoral Dissertation Improvement Grant, National Science Foundation. \$13,910. A synthetic analysis of evolutionary patterns in the Squamate family Cordylidae. March 2012

Exploration Fund grant, the Explorers Club. \$1050 for the project “Phylogenetic relationships of the Cape cliff lizards.” May 2011

Tracy Storer award, Joint meeting of Ichthyologists and Herpetologists, Providence, RI, July 2010. The Storer Awards of the American Society of Ichthyologists and Herpetologists recognize the best student poster presentation in herpetology and ichthyology.

Full-year Research Fellowship, Villanova University, Villanova, PA, Sept 2008 to May 2009. Awarded to a second-year Teaching Assistant on the basis of research proposal, academic record and research experience.

Summer Research Fellowship, Villanova University, Villanova, PA, June to July 2008. Financial assistance awarded for research carried over the summer.

Nesmith Dickinson Research Award, University of Richmond, Richmond, VA 2004. Awarded to a student majoring in biology at the University of Richmond to aid research projects during the recipient's senior year.

PUBLICATIONS

Stanley, E.L., and Bates, M.F. *in press*. Here be Dragons: A phylogenetic and biogeographic study of the *Smaug warreni* species complex (Squamata: Cordylidae) in southern Africa. *In Press*. Edward L. Stanley & Michael F. Bates. Zoological Journal of the Linnean Society.

de Sá RO., Grant, T.A., Camargo, A., Heyer, W.R., Ponssa, M.L. & Stanley E.L. *In press*. Phylogeny and Monograph of the Neotropical genus *Leptodactylus* Fitzinger, 1826 (Anura: Leptodactylidae). South American Journal of Herpetology

Stanley, E.L. Cordylid systematics and evolution. 2014. *In* Girdled Lizards and their relatives. Natural history, captive care and breeding. Reissig, J. Edition Chimaira London p.249.

Mouton, P.F.N., Fleming, A. & Stanley, E. L., 2012 Synchronised versus asynchronised breeding in the lizard family Cordylidae: An evolutionary perspective. Journal of Zoology. 288:191–198

Greenbaum, E.B., Stanley, E.L., Kusamba, C., Moninga W.M., Goldberg, S.R., & Bursey, C.R. 2012. A new species of *Cordylus* (Squamata: Cordylidae) from the Marungu Plateau of southeastern Democratic Republic of the Congo. African Journal of Herpetology. 61:14-39

Portik D, Wood P, Grismer J, Stanley E, & Jackman T. 2012. Identification of 104 rapidly-evolving nuclear protein-coding markers for amplification across scaled reptiles using genomic resources. Conservation Genetics Resources 4: 1-10.

Stanley, E. L., Bauer, A. M., Jackman, T. R., Mouton, P. L. N. and Branch, W. R. 2011. Between a rock and a hard polytomy: rapid radiation in the rupicolous girdled lizards (Cordylidae: Squamata). Molecular Phylogenetics and Evolution 58: 53-70

Stanley, E. L., Kendal, R. L., Kendal, J. R., Grounds S., and Laland K. N. 2008. The effects of group size, rate of turnover and disruption to demonstration on the stability of foraging traditions in fish. Animal Behaviour 75: 565-572.

PRESENTATIONS

Arms and Armor: Ecomorphological diversification in the girdled lizards. Oral presentation. 2014. Evolution 2014. Raleigh, USA.

Systematics and morphological diversification of the Cordylidae (Squamata). Invited seminar 2014. Berkeley “Herp group”, Berkeley, USA.

Systematics and morphological diversification of the Cordylidae (Squamata). Invited seminar 2014. California Academy of Sciences, San Francisco, USA.

Arms and armour: Osteodermal variation in African Girdled lizards. Oral presentation. 2013. 11th conference of the the Herpetological Association of Africa, in Pretoria, South Africa.

The evolution of defensive systems in African Girdled lizards. September 2012. Invited Seminar for the Summer Science Institute’s Evolution class. The American Museum of Natural History, New York City.

Evolutionary patterns of ecology and biogeography in the Cordylidae. August 2012. Invited symposium talk: Advances in the Biogeography of African Amphibians and Reptiles. World Congress of Herpetology. Vancouver, British Columbia.

Armor and evolution in girdled lizards. March 2011. Invited talk at the New York Junior-Herpetologists club

Between a rock and a hard polytomy: rapid radiation in the rupicolous girdled lizards. February 2011. Invited lecture at Kwakwa University, South Africa.

A Phylogenetic analysis of the *Cordylus warreni* species complex. Poster presentation: 2010 Joint Meetings of Ichthyologists and Herpetologists in Providence, Rhode Island, USA.

Evolutionary relationships within the Family Cordylidae (Squamata). Oral presentation: 2009 Joint Meetings of Ichthyologists and Herpetologists in Portland, Oregon, USA.

A preliminary phylogenetic analysis of the family Cordylidae. Oral presentation: 2008 9th conference of the Herpetological Association of Africa, in Sterkfontein, South Africa.

Continuing research into the phylogenetic relationships of *Leptodactylus* (Anura: Leptodactylidae) using Rhodopsin, a nuclear marker. Poster presentation. 2004 1st Brazilian Congress of Herpetology in Curitiba, Brazil.

PUBLIC ENGAGEMENT AND OUTREACH

Howard Hughes Medical Institute Image of the week 2014

<https://www.hhmi.org/biointeractive/your-armored-reptile>

“Skulls” temporary exhibit, California Academy of Sciences 2014

<http://www.calacademy.org/skulls-exhibit/>

The California Academy of Sciences’ Night Life program: Herpetology bench: 2013 – 2014

<http://www.calacademy.org/events/nightlife/>

American Museum of Natural History’s Identification Day 2011–2013

<http://www.amnh.org/calendar/identification-day>

“Picturing Science” temporary exhibit, American Museum of Natural History

<http://www.amnh.org/exhibitions/current-exhibitions/picturing-science>

FIELD WORK

August 2014, Mojave desert, Nevada USA

November-December 2013, Namibe province, Angola.

January-March 2011, Western Cape, South Africa. Lesotho.

October-November 2008, Swaziland. Limpopo, Mpumalanga, Gautang, South Africa.

July 2008 Western Cape, South Africa.

July 2004 Atlantic Rainforest, Brazil.