

LORENZO PRENDINI
ASSOCIATE CURATOR AND ASSOCIATE PROFESSOR
DIVISION OF INVERTEBRATE ZOOLOGY

HIGHEST DEGREE EARNED

Ph.D.

AREA OF SPECIALIZATION

Empirical study of phylogeny, macroevolution, speciation, biogeography, and comparative evolutionary biology, using scorpions and minor arachnid orders as model organisms.

EDUCATIONAL EXPERIENCE

Ph.D. in Zoology, University of Cape Town, South Africa, 2001

B.Sc. (Hons) in Zoology, University of Cape Town, South Africa, 1995

B.Sc. in Botany and Zoology, University of the Witwatersrand, Johannesburg, South Africa, 1994

PREVIOUS EXPERIENCE IN DOCTORAL EDUCATION

FACULTY APPOINTMENTS

Adjunct Professor, Department of Entomology, Colorado State University 2008–present

Adjunct Professor, Department of Entomology, Cornell University, 2004–present.

Adjunct Professor, Department of Biology, City University of New York, 2003–present.

GRADUATE ADVISEES

Lionel Monod, City University of New York, 2005–present

Edmundo González Santillan, City University of New York, 2005–present

Lauren Esposito, City University of New York, 2004–present

GRADUATE COMMITTEES

Tharina Bird, Colorado State University, 2008–present

Samuel Mwangi, Africa Nazarene University, Nairobi, 2007–present

Humberto Yamaguti, Universidade São Paulo, 2006–present

Andres Ojanguren Affilastro, Museo Argentino de Ciencias Naturales, Buenos Aires, 2003–2008

RESEARCH GRANT SUPPORT

FEDERAL SOURCES

National Science Foundation, “Assembling the Tree of Life: Phylogeny of Spiders,” Co-PI (with W.C. Wheeler, J.A. Coddington, G. Hormiga and P. Sierwald), \$2,700,000, 2002–2006

National Science Foundation, “REVSYS: Revisionary Systematics of the North American Scorpion Family Vaejovidae,” PI (with W.D. Sissom), \$414,578, 2004–2008.

National Science Foundation, “Collaborative Research: Global Survey and Inventory of Solifugae,” Co-PI (with P.E. Cushing) \$649,984, 2007–2011.

NON-FEDERAL SOURCES

Stavros Niarchos Foundation, Constantine S. Niarchos Expedition grant for expedition to the Damaraland and Kaokoveld, Namibia, \$7,000, 2003.

Constantine S. Niarchos Expedition grant for expedition to Malawi, Mozambique, Namibia and South Africa, \$7,000, 2007.

Richard Lounsbery Foundation, Co-PI (with M.E. Siddall and R. DeSalle) “DNA barcoding project and DNA Exhibition Feasibility Study,” \$325,000, 2004–2007.

Australian Biological Resources Study, Co-PI (with E.S. Volschenk and M. Harvey) “Revision and Phylogeny of the Australian scorpion genus *Urodacus* Peters (Scorpiones),” (AU\$181,135), 2006–2009.

Secretario Nacional de Ciencia, Tecnología e Innovación, Panama, Co-PI (with D. Quintero). “Investigación sobre la diversidad, ecología y distribución de los alacranes de Panamá pra dar respuesta al problema nacional del emponzoñamiento por alacranes”, \$24,000, 2008–2010.

RECENT ARTICLES IN REFEREED JOURNALS (2003-2008)

Francke, O.F. and L. Prendini. 2008. Phylogeny and classification of the giant hairy scorpions, *Hadrurus* Thorell (Iuridae Thorell): A reappraisal. *Systematics and Biodiversity* 6(2): 205–223.

Volschenk, E.S. and L. Prendini. 2008. *Aops oncodactylus* gen. et sp. nov., the first troglobitic urodacid (Urodacidae: Scorpiones), with a re-assessment of cavernicolous, troglobitic and troglomorphic scorpions. *Invertebrate Systematics* 22: 235–257.

Vignoli, V. and L. Prendini. 2008. A new species of *Akentrobuthus* Lamoral, 1976 (Scorpiones: Buthidae) from the Republic of Benin. *Journal of Afrotropical Zoology* 4: 61–70.

Dunlop, J.A., O.E. Tetlie, and L. Prendini. 2008. Reinterpreting the Silurian scorpion *Proscorpius osborni* (Whitfield, 1885): Integrating data from Palaeozoic and Recent scorpions. *Palaeontology* 51: 303–320.

Baldo, L., L. Prendini, A. Corthals, and J. Werren. 2007. *Wolbachia* are present in southern African scorpions and cluster with supergroup F. *Current Microbiology* 55: 367–373.

Ojanguren Affilastro, A.A., C.I. Mattoni, and L. Prendini. 2007. The genus *Brachistosternus* (Scorpiones: Bothriuridae), in Chile, with descriptions of two new species. *American Museum Novitates* 3564: 1–44.

Ramírez, M.J., J.A. Coddington, W.P. Maddison, P. Midford, L. Prendini, J. Miller, C.E. Griswold, G. Hormiga, P. Sierwald, N. Scharff, S.P. Benjamin, and W.C. Wheeler. 2007. Linking of digital images to phylogenetic data matrices using a morphological ontology. *Systematic Biology* 56: 283–294.

Wirkner, C.S., and L. Prendini. 2007. Comparative morphology of the hemolymph vascular system in scorpions – a survey using corrosion casting, MicroCT and 3D-reconstruction. *Journal of Morphology* 268: 401–413.

Prendini, L. 2006. New South African flat rock scorpions (Liochelidae: *Hadogenes*).

- American Museum Novitates* 3502: 1–32.
- Prendini, L., E.S. Volschenk, S. Maaliki, and A.V. Gromov. 2006. A ‘living fossil’ from Central Asia: the morphology of *Pseudochactas ovchinnikovi* Gromov, 1998 (Scorpiones: Pseudochactidae), with comments on its phylogenetic position. *Zoologischer Anzeiger* 245: 211–248.
- Prendini, L., P. Weygoldt, and W.C. Wheeler. 2005. Systematics of the *Damon variegatus* group of African whip spiders (Chelicerata: Amblypygi): Evidence from behaviour, morphology and DNA. *Organisms, Diversity and Evolution* 5: 203–236.
- Prendini, L. and W.C. Wheeler. 2005. Scorpion higher phylogeny and classification, taxonomic anarchy, and standards for peer review in online publishing. *Cladistics* 21(5): 446–494.
- Prendini, L. 2005. On *Hadogenes angolensis* Lourenço, 1999 syn. n. (Scorpiones, Liochelidae), with a redescription of *H. taeniurus* (Thorell, 1876). *Revue suisse de Zoologie* 112(2): 1–28.
- Prendini, L. 2005. Comment on “Identifying spiders through DNA barcodes”. *Canadian Journal of Zoology* 83(3): 481–491.
- Prendini, L. 2005. New records and observations on the natural history of *Lisposoma elegans* and *Lisposoma josehermana* (Scorpiones: Bothriuridae). *American Museum Novitates* 3487: 1–11.
- Prendini, L. 2005. Revision of *Karasbergia* Hewitt (Scorpiones: Buthidae), a monotypic genus endemic to southern Africa. *Journal of Afrotropical Zoology* 1: 77–93.
- Prendini, L. 2004. The systematics of southern African *Parabuthus* Pocock (Scorpiones, Buthidae): Revisions to the taxonomy and key to the species. *Journal of Arachnology* 32(1): 109–186.
- Prendini, L. 2004. Systematics of the genus *Pseudolychas* Kraepelin (Scorpiones: Buthidae). *Annals of the Entomological Society of America* 97(1): 37–63.
- Prendini, L. 2003. Revision of the genus *Lisposoma* Lawrence, 1928 (Scorpiones: Bothriuridae). *Insect Systematics and Evolution* 34: 241–264.
- Prendini, L. 2003. Discovery of the male of *Parabuthus muelleri*, and implications for the phylogeny of *Parabuthus* (Scorpiones: Buthidae). *American Museum Novitates* 3408: 1–24.
- Prendini, L., Crowe, T.M. and Wheeler, W.C. 2003. Systematics and biogeography of the family Scorpionidae Latreille, with a discussion of phylogenetic methods. *Invertebrate Systematics* 17(2): 185–259.
- Prendini, L. 2003. A new genus and species of bothriurid scorpion from the Brandberg Massif, Namibia, with a reanalysis of bothriurid phylogeny and a discussion of the phylogenetic position of *Lisposoma* Lawrence. *Systematic Entomology* 28(2): 149–172.

SPECIAL RECOGNITION/AWARDS

Corporate Sector, South Africa: Anglo-American Corporation Open Scholarship Book Prize (1992). Standard Bank of South Africa Scholarship (1992–1994). The Premier Group Bursary (1992–1994). Skye Foundation and Charitable Trust Scholarship (2000).

Foundation for Research Development, South Africa: B.Sc. Bursary (1992–1994). B.Sc. (Hons) Bursary (1995). M.Sc. Bursary (1996). Prestigious Bursary for M.Sc. (1997). Prestigious Bursary for Ph.D. (1998, 1999).

University of the Witwatersrand: Certificates of Merit in Zoology I and Botany I (1992), Zoology II and Botany II (1993), and Zoology III and Botany III (1994). S.A. Breweries Bronze Medal (1992); S.A. Breweries Silver Medal (1993); S.A. Breweries Gold Medal (1994). Peter Thompson Book Prize (1993). Tree Society of Southern Africa Book Prize (1993). Peter Thompson Book Prize (1994). John Twinch Memorial Prize, Botanical Ecology (1994). Zoological Society of Southern Africa Award (1994).

University of Cape Town: Wayne Rendell Memorial Award (1995). Purcell Memorial Prize (1995, for B.Sc. Honours thesis). Zoological Society of Southern Africa Award (1995). Myer Levinson (EMDIN) Scholarship (1996, 1997). S.A. College Croll Scholarship (1996, 1997). Purcell Memorial Prize (2002, for Ph.D. thesis).

Oral Presentations: Best speaker, 5th International Colloquium of the Research Group for the Study of African Arachnids, Klein Kariba, Warmbaths, South Africa, 24–29 November 1996. Best speaker, 6th International Conference of the African Arachnological Society, Swakopmund, Namibia, 19–23 April 1999.