

# Curriculum Vitae

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## Lorenzo Prendini

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## INTERESTS

Lorenzo Prendini curates the collections of Arachnida and Myriapoda at the AMNH. His research addresses the systematics, biogeography, and evolution of scorpions and lesser known arachnids, especially whip spiders (Amblypygi), camel spiders (Solifugae) and whip scorpions (Schizomida and Thelyphronida), using a combination of morphological, genomic, and distributional data, and diverse analytical tools. Current research focuses on integrating phylogenomics and comparative morphology to reconstruct the scorpion Tree of Life; integrative systematic revisions of scorpions in Africa, Asia, Australasia, and the New World; phylogeny and revisionary systematics of camel spiders, whip scorpions and whip spiders; testing adaptational and biogeographical hypotheses in Africa, Asia and the New World using scorpions as a model system; arachnid venoms and defense secretions; and the ecology, behavior and conservation of arachnids. The search for new and little-known arachnids has taken Prendini and his research group to 75 countries and territories on all continents except Antarctica. Besides arachnids, Prendini is interested in the evolution of insect-plant associations and in systematic theory and practice.

## EDUCATION

2001	Ph.D.	Zoology	University of Cape Town, South Africa
1995	B.Sc. (Hons)	Zoology	University of Cape Town, South Africa
1994	B.Sc.	Botany & Zoology	University of the Witwatersrand, South Africa

## APPOINTMENTS

2012–	Curator, Division of Invertebrate Zoology, AMNH
2008–	Professor, Richard Gilder Graduate School of Comparative Biology, AMNH
2008–2015	Adjunct Professor, Department of Entomology, Colorado State University
2007–2012	Associate Curator, Division of Invertebrate Zoology, AMNH
2004–2014	Adjunct Professor, Department of Entomology, Cornell University
2006–	Research Associate, National Museum of Namibia
2004–	Research Associate, Ditsong National Museum of Natural History, South Africa
2003–	Adjunct Professor, Department of Biology (Ecology, Evolution and Behavior), CUNY
2002–2007	Assistant Curator, Division of Invertebrate Zoology, AMNH

## PUBLICATIONS

- Monjaraz-Ruedas, R., **Prendini, L.**, and Francke, O.F. 2019. Systematics of the short-tailed whipscorpion genus *Stenochrus* Chamberlin, 1922 (Schizomida: Hubbardiidae), with descriptions of six new genera and five new species. *Bulletin of the American Museum of Natural History* **435**: 1–91.
- Ramírez, M.J., Grismado, C.J., Ubick, D., Ovtsharenko, V., Cushing, P., Platnick, N., Wheeler, W.C., **Prendini, L.**, Crowley, L.M., and Horner, N. 2019. Myrmecultoridae, a new family of myrmecophilic spiders from the Chihuahuan Desert (Araneae: Entelegynae). *American Museum Novitates* **3930**: 1–24.
- Esposito, L.A., and **Prendini, L.** 2019. Island ancestors and New World biogeography: A case study from the scorpions (Buthidae: Centruroidinae). *Scientific Reports* **9**(3500): 1–10. DOI: <https://doi.org/10.1038/s41598-018-33754-8>.
- González-Santillán, E. and **Prendini, L.** 2018. Systematic revision of the North American syntropine vaejovid scorpion genera *Balsateres*, *Kuarapu*, and *Thorellius* with descriptions of three new species. *Bulletin of the American Museum of Natural History* **420**: 1–81.

## PUBLICATIONS (contd.)

- Prathapan, K.D., et al. [list of co-signatories including **Prendini, L.**] 2018. When the cure kills—CBD limits biodiversity research. *Science* **360**(6396): 1405–1406.
- Esposito, L.A., Yamaguti, H.Y., Pinto-da-Rocha, R., and **Prendini, L.** 2018. Plucking with the plectrum: Phylogeny of the New World buthid scorpion subfamily Centruroidinae Kraus, 1955 (Scorpiones: Buthidae) reveals evolution of three pecten-sternite stridulation organs. *Arthropod Systematics and Phylogeny* **76**(1): 87–122.
- Schaffrath, S., **Prendini, L.**, and Predel, R. 2018. Intraspecific venom variation in southern African scorpion species of the genera *Parabuthus*, *Uroplectes* and *Opisthophthalmus* (Scorpiones: Buthidae, Scorpionidae). *Toxicon* **144**: 83–90.
- Barrales Alcalá, D.A., Francke, O.F., and **Prendini, L.** 2018. Systematic revision of the giant North American vinegaroons, genus *Mastigoproctus* (Thelyphonida: Thelyphonidae). *Bulletin of the American Museum of Natural History* **418**: 1–62.
- Loria, S.F., and **Prendini, L.** 2018. Ultrastructural comparison of the eyespot and ocelli of scorpions, and implications for the systematics of Chaerilidae Pocock, 1893. *Zoologischer Anzeiger* **273**: 183–191.
- Silva de Miranda, G., Giupponi, A.P.L., **Prendini, L.**, and Scharff, N. 2018. *Weygoldtia*, a new genus of Charinidae Quintero, 1986 (Arachnida, Amblypygi) with a reappraisal of the genera in the family. *Zoologischer Anzeiger* **273**: 23–32.
- Rubin, M., Lamsdell, J.C., **Prendini, L.**, and Hopkins, M.J. 2017. Exocuticular hyaline layer of sea scorpions and horseshoe crabs suggests cuticular fluorescence is plesiomorphic and non-adaptive in scorpions. *Journal of Zoology (London)* **303**: 245–253.
- Esposito, L.A., Yamaguti, H.Y., Souza, C.A., Pinto-da-Rocha, R., and **Prendini, L.** 2017. Systematic revision of the Neotropical club-tailed scorpions, *Physoctonus*, *Rhopalurus*, and *Troglophopalus*, revalidation of *Heteroctenus*, and description of two new genera and three new species (Buthidae: Rhopalurusinae). *Bulletin of the American Museum of Natural History* **415**: 1–134.
- Rogers, D.C., et al. [list of authors including **Prendini, L.**] 2017. Images are not and should not ever be type specimens: A rebuttal to Garraffoni & Freitas. *Zootaxa* **4269**(4): 455–459.
- Wheeler W.C., Coddington, J.A., Crowley, L.M., Dimitrov, D., Goloboff, P.A., Griswold, C.E., Hormiga, G., **Prendini, L.**, Ramírez, M.J., Sierwald, P., Almeida-Silva, L., Alvarez-Padilla, F., Arnedo, M.A., Benavides Silva, L.R., Benjamin, S.P., Bond, J.E., Grismado, C.J., Hasan, E., Hedin, M., Izquierdo, M.A., Labarque, F.M., Ledford, J., Lopardo, L., Maddison, W.P., Miller, J.A., Piacentini, L.N., Platnick, N.I., Polotow, D., Silva-Dávila, D., Scharff, N., Szuts, T., Ubick, D., Vink, C.J., Wood, H.M., and Zhang, J. 2016. The spider tree of life: Phylogeny of Araneae based on target-gene analyses from an extensive taxon sampling. *Cladistics* **33**(6): 574–616.
- Cerriaco, L.M.P., Gutiérrez, E.E., Dubois, A., et al. [493 coauthors including **Prendini, L.**] 2016. Photography-based taxonomy is inadequate, unnecessary, and potentially harmful for biological sciences. *Zootaxa* **4196**(3): 435–445.
- Franz-Guess, S., Klußman-Fricke, B.-J., Wirkner, C.S., **Prendini, L.**, and Starck, J.M. 2016. Morphology of the tracheal system of camel spiders (Chelicerata: Solifugae) based on micro-CT and 3D-reconstruction in exemplar species from three families. *Arthropod Structure & Development* **45**: 440–451.
- Amorim, D.S., Santos, C.M.D., Krell, F.-T., Dubois, A., Nihei, S.S., Oliveira, O.M.P., Pont, A., Song, H., Verdade, V.K., Fachin, D.A., Klassa, B., Lamas, C.J.E., Oliveira, S.S., De Carvalho, C.J.B., Mello-Patiu, C.A., Hajdu, E., Couri, M.S., Silva, V.C., Capellari, R.S., Falaschi, R.L., Feitosa, R.M., **Prendini, L.**, Pombal Jr., J.P., Fernández, F., Rocha, R.M., Lattke, J.E., Caramaschi, U., Duarte, M., Marques, A.C., Reis, R.E., Kurina, O., Takiya, D.M., Tavares, M., Fernandes, D.S., Franco, F.L., Cuzzo, F., Paulson, D., Guénard, B., Schlick-Steiner, B.C., Arthofer, W., Steiner, F.M., Fisher, B.L., Johnson, R.A., Delsinne, T.D., Donoso, D.A., Mulieri, P.R., Patitucci, L.D., Carpenter, J.M., Herman, L., and Grimaldi, D. 2016. Timeless standards for species delimitation. *Zootaxa* **4137**(1): 121–128.
- Prendini, L.** 2016. Redefinition and systematic revision of the East African scorpion genus *Pandinoidea* (Scorpiones: Scorpionidae) with critique of the taxonomy of *Pandinus*, sensu lato. *Bulletin of the American Museum of Natural History* **407**: 1–66.
- González-Santillán, E., and **Prendini, L.** 2016. Systematic revision of the North American syntropine vaejovid scorpion genera *Maaykuyak*, *Syntropis*, and *Vizcaino*, with description of the adults of *Syntropis williamsi*. *Bulletin of the American Museum of Natural History* **405**: 1–67.
- Adams, A., Marais, E., Turner, S., **Prendini, L.**, and Pinshow, B. 2016. Similar burrow architecture of three arid-zone scorpion species implies similar ecological function. *Naturwissenschaften (The Science of Nature)* **103**: 56 (11 pp.). DOI: 10.1007/s00114-016-1374-z.

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- Ceccarelli, F.S., Ojanguren-Affilastro, A.A., Ramírez, M.J., Ochoa, J.A., Mattoni, C.I., and **Prendini, L.** 2016. Andean uplift drives diversification of the bothriurid scorpion genus *Brachistosternus*. *Journal of Biogeography* **43**(10): 1942–1954.
- Janion-Scheepers, C., Measey, J., Braschler, B., Chown, S.L., Coetzee, L., Colville, J., Dames, J., Davies, A.B., Davis, A., Davies, S., Dippenaar-Schoeman, A., Duffy, G., Fourie, D., Griffiths, C., Haddad, C., Hamer, M., Herbert, D., Hugo-Coetzee, L.E.A., Jacobs, A., Jansen van Rensburg, C., Lamani, S., Lotz, L.N., Louw, S., Lyle, R., Malan, A., Marais, M., Neethling, J.-A., Nxele, T., Plisko, D., **Prendini, L.**, Swart, A., Theron, P., Truter, M., Ueckermann, E., Uys, V.M., Villet, M.H., Willows-Munrow, S., and Wilson, J.R.U. 2016. Soil biota in a megadiverse country: Current knowledge and future directions in South Africa. *Pedobiologia – Journal of Soil Ecology* **59**: 129–174.
- Ojanguren-Affilastro, A.A., Mattoni, C.I., Ochoa, J.A., Ramírez, M.J., Ceccarelli, F.S., and **Prendini, L.** 2016. Phylogeny, species delimitation and convergence in the South American bothriurid scorpion genus *Brachistosternus* Pocock 1893: Integrating morphology, nuclear and mitochondrial DNA. *Molecular Phylogenetics and Evolution* **94**: 159–170.
- Maquart, P.O., Réveillon, F., **Prendini, L.**, Burger, M., Fisher, B.L., and Van Noort, S. 2016. New distribution records for African Amblypygi. *African Entomology* **24**(1): 245–246.
- Amr, Z., Abed, O.A., Al Share, T., Hamidan, N., and **Prendini, L.** 2015. New records of Jordanian scorpions. *Jordan Journal of Natural History* **2**: 30–38.
- Prendini, L.** 2015. Three new *Uroplectes* (Scorpiones: Buthidae) with punctate metasomal segments from tropical central Africa. *American Museum Novitates* **3840**: 1–32.
- González-Santillán, E., and **Prendini, L.** 2015. Systematic revision of the North American syntropine vaejovid scorpions with a subaculear tubercle, *Konetontli* González-Santillán and Prendini, 2013. *Bulletin of the American Museum of Natural History* **397**: 1–78.
- Prendini, L.** 2015. A remarkably small species of *Uroplectes* Peters, 1861 (Scorpiones: Buthidae) endemic to the Succulent Karoo of the Northern Cape Province, South Africa. *African Invertebrates* **56**(2): 499–513.
- Cushing, P.E., Graham, M.R., **Prendini, L.**, and Brookhart, J.O. 2015. A multilocus molecular phylogeny of the endemic North American camel spider family Eremobatidae (Arachnida: Solifugae). *Molecular Phylogenetics and Evolution* **92**: 280–293.
- Bird, T.L., Wharton, R.A., and **Prendini, L.** 2015. Cheliceral morphology in Solifugae (Arachnida): Primary homology, terminology, and character survey. *Bulletin of the American Museum of Natural History* **394**: 1–355.
- Talal, S., Tesler, I., Sivan, J., Ben-Shlomo, R., Tahir, H.M., **Prendini, L.**, Snir, S., and Gefen, E. 2015. Scorpion speciation in the Holy Land: Multilocus phylogeography corroborates diagnostic differences in morphology and burrowing behavior among *Scorpio* subspecies and justifies recognition as phylogenetic, ecological and biological species. *Molecular Phylogenetics and Evolution* **91**: 226–237.
- González-Santillán, E., and **Prendini, L.** 2015. Phylogeny of the North American vaejovid scorpion subfamily Syntropinae Kraepelin, 1905, based on morphology, mitochondrial and nuclear DNA. *Cladistics* **31**(4): 341–405.
- Mattoni, C.I., García-Hernández, S., Botero-Trujillo, R., Ochoa, J.A., Ojanguren-Affilastro, A.A., Pinto-da-Rocha, R., and **Prendini, L.** 2015. Scorpion sheds 'tail' to escape: Consequences and implications of autotomy in scorpions (Buthidae: *Ananteris*). *PLoS One* **10**(1): e0116639 (15 pp.). DOI: 10.1371/journal.pone.0116639.
- Santibáñez-López, C.E., Francke, O.F., and **Prendini, L.** 2014. Shining a light into the world's deepest caves: Phylogenetic systematics of the troglolithic scorpion genus *Alacran* Francke, 1982 (Typhlochactidae: Alacraninae). *Invertebrate Systematics* **28**: 643–664.
- Santibáñez-López, C.E., Francke, O.F., and **Prendini, L.** 2014. Phylogeny of the North American scorpion genus *Diplocentrus* Peters, 1861 (Scorpiones: Diplocentridae) based on morphology, nuclear and mitochondrial DNA. *Arthropod Systematics and Phylogeny* **72**(3): 257–279. [cover article]
- Loria, S.F., and **Prendini, L.** 2014. Homology of the lateral eyes of Scorpiones: A six-ocellus model. *PLoS One* **9**(12): e112913 (30 pp.). DOI: 10.1371/journal.pone.0112913.
- Santibáñez-López, C.E., Francke, O.F., and **Prendini, L.** 2014. *Kolotl* n. gen. (Scorpiones: Diplocentridae), a new scorpion genus from Mexico. *American Museum Novitates* **3815**: 1–14.
- Foord, S.H., Gelebe, V., and **Prendini, L.** 2014. Effects of aspect and altitude on scorpion diversity along an environmental gradient in the Soutpansberg, South Africa. *Journal of Arid Environments* **113**: 114–120.
- Tahir, H.M., Navidpour, S., and **Prendini, L.** 2014. First reports of *Razianus* Farzanpay, 1987 (Scorpiones: Buthidae) from Iraq and Pakistan, descriptions of two new species, and redescription of *Razianus zarudnyi* (Birula, 1903). *American Museum Novitates* **3806**: 1–26.

## PUBLICATIONS (contd.)

- Tahir, H.M., and **Prendini, L.** 2014. Redescription of *Heterometrus latimanus* and confirmation of the genus *Heterometrus* (Scorpiones: Scorpionidae) in Pakistan. *American Museum Novitates* **3805**: 1–23.
- Cushing, P.E., Casto, P., Knowlton, E.D., Royer, S., Laudier, D., Gaffin, D.D., **Prendini, L.**, and Brookhart, J.O. 2014. Comparative morphology and functional significance of setae called papillae on the pedipalps of male camel spiders (Arachnida, Solifugae). *Annals of the Entomological Society of America* **107**(2): 510–520.
- Monod, L., and **Prendini, L.** 2014. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). *Cladistics* **31**(1): 71–111.
- Bryson, R.W., Jr., **Prendini, L.**, Savary, W.E., and Pearman, P.B. 2014. Caves as microrefugia: Pleistocene phylogeography of the troglophilic North American scorpion *Pseudouroctonus reddelli*. *BMC Evolutionary Biology* **14**(9): 1–16.
- Miller, A.L., Makowsky, R.A., Formanowicz, D.R., **Prendini, L.**, and Cox, C.L. 2014. Cryptic genetic diversity and complex phylogeography of the boreal North American scorpion, *Paruroctonus boreus* (Vaejovidae). *Molecular Phylogenetics and Evolution* **71**: 298–307.
- González-Santillán, E., and **Prendini, L.** 2013. Redefinition and generic revision of the North American vaejovid scorpion subfamily Syntropinae Kraepelin, 1905, with descriptions of six new genera. *Bulletin of the American Museum of Natural History* **382**: 1–71.
- Monod, L., Harvey, M.S., and **Prendini, L.** 2013. Stenotopic *Hormurus* Thorell, 1876 scorpions from the monsoon ecosystems of northern Australia, with a discussion on the evolution of burrowing behaviour in Hormuridae Laurie, 1896. *Revue suisse de Zoologie* **120**(2): 281–346.
- Graham, M.R., Jaeger, J.R., **Prendini, L.**, and Riddle, B.R. 2013. Phylogeography of Beck's desert scorpion, *Paruroctonus becki*, reveals Pliocene diversification in the Eastern California Shear Zone and postglacial expansion in the Great Basin Desert. *Molecular Phylogenetics and Evolution* **69**: 502–513.
- Bryson, R.W., Jr., Savary, W.E., and **Prendini, L.** 2013. Biogeography of scorpions in the *Pseudouroctonus minimus* complex (Vaejovidae) from south-western North America: Implications of ecological specialization for pre-Quaternary diversification. *Journal of Biogeography* **40**(10): 1850–1860.
- Santibáñez-López, C.E., Francke, O.F., and **Prendini, L.** 2013. Systematics of the *keyserlingii* group of *Diplocentrus* Peters, 1861 (Scorpiones: Diplocentridae), with descriptions of three new species from Oaxaca, Mexico. *American Museum Novitates* **3777**: 1–47.
- Ochoa, J.A., Rojas-Runjaic, F., Pinto-da-Rocha, R., and **Prendini, L.** 2013. Systematic revision of the Neotropical genus *Chactopsis* Kraepelin, 1912 (Scorpiones: Chactidae), with descriptions of two new genera and four new species. *Bulletin of the American Museum of Natural History* **378**: 1–121.
- Bryson, R.W., Jr., Riddle, B.R., Graham, M.R., Tilston Smith, B., and **Prendini, L.** 2013. As old as the hills: Montane scorpions in southwestern North America reveal an ancient association between biotic diversification and landscape history. *PLoS One* **8**(1): e52822 (11 pp.). DOI: 10.1371/journal.pone.0052822.
- Murienne, J., Benavides, L.R., **Prendini, L.**, Hormiga, G., and Giribet, G. 2013. Forest refugia in Western and Central Africa as 'museums' of Mesozoic biodiversity. *Biology Letters* **9**: 20120932 (8 pp.). DOI: 10.1098/rsbl.2012.0932.
- Graham, M.R., Jaeger, J.R., **Prendini, L.**, and Riddle, B.R. 2013. Phylogeography of the Arizona hairy scorpion (*Hadrurus arizonensis*) supports a model of biotic assembly in the Mojave Desert and adds a new Pleistocene refugium. *Journal of Biogeography* **40**(7): 1298–1312.
- Klufßman-Fricke, B.-J., **Prendini, L.**, and Wirkner, C.S. 2012. Evolutionary morphology of the hemolymph vascular system in scorpions: A character analysis. *Arthropod Structure & Development* **41**: 545–560.
- Volschenk, E.S., Harvey, M.S. and **Prendini, L.** 2012. A new species of *Urodacus* (Scorpiones: Urodacidae) from Western Australia. *American Museum Novitates* **3748**: 1–18.
- Sissom, W.D., Hughes, G.B., Bryson, R.W., Jr., and **Prendini, L.** 2012. The *vorhiesi* group of *Vaejovis* C.L. Koch, 1836 (Scorpiones: Vaejovidae) in Arizona, with description of a new species from the Hualapai Mountains. *American Museum Novitates* **3742**: 1–19.
- Prendini, L.** 2012. The Scorpion King. Among the most long-lived terrestrial arthropods. *Asian Geographic* **87**(2): 86–89. [popular]
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- Mattoni, C.I., Ochoa, J.A., Ojanguren-Affilastro, A.A., and **Prendini, L.** 2012. *Orobothriurus* (Scorpiones: Bothriuridae) phylogeny, Andean biogeography, and the relative importance of genitalic and somatic characters. *Zoologica Scripta* **41**(2): 160–176.

## PUBLICATIONS (contd.)

- Engelbrecht, I. and **Prendini, L.** 2012. Cryptic diversity of South African trapdoor spiders: Three new species of *Stasimopus* Simon, 1892 (Mygalomorphae, Ctenizidae), and redescription of *Stasimopus robertsi* Hewitt, 1910. *American Museum Novitates* **3732**: 1–42.
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- Prendini, L.** 2011. Order Thelyphonida Latreille, 1804. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. *Zootaxa* **3148**: 155.
- Prendini, L.** 2011. Order Schizomida Petrunkevitch, 1945. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. *Zootaxa* **3148**: 156.
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- Prendini, L.**, Francke, O.F. and Vignoli, V. 2010. Troglomorphism, trichobothriotaxy and typhlochactid phylogeny (Scorpiones, Chactoidea): More evidence that troglobitism is not an evolutionary dead-end. *Cladistics* **26**: 117–142. [cover article]
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- Esposito, L.A. and **Prendini, L.** Minimally Invasive Sampling Methods and DNA Barcoding of CITES-listed Scorpions. 25<sup>th</sup> European Congress of Arachnology, Alexandroupolis, Greece, 16–21 August 2009. Abstract: P. 30 In: *25<sup>th</sup> European Congress of Arachnology*.
- Esposito, L.A. and **Prendini, L.** 2009. New molecular and morphological insights into the systematics of New World buthid scorpions. 8<sup>th</sup> Annual GK-12 Meeting, Washington, DC.
- Ojanguren Affilastro, A.A., Mattoni, C.I., Ochoa, J.A. and **Prendini, L.** Análisis filogenético de los escorpiones del género *Brachistosternus* (Scorpiones, Bothriuridae). Segundo Congreso Latinoamericano de Aracnología, Salta, Argentina, 30 November–4 December, 2008. Abstract: P. 232 In: *Libro de Resúmenes*. [poster]
- Ochoa, J.A. and **Prendini, L.** Revision sistemática del género *Hadruroides* Pocock, 1893 (Scorpiones: Iuridae). Segundo Congreso Latinoamericano de Aracnología, Salta, Argentina, 30 November–4 December 2008. Abstract: P. 231 In: *Libro de Resúmenes*. [poster]
- Mattoni, C.I., Ochoa, J.A., Ojanguren-Affilastro, A.A. and **Prendini, L.** Towards an all-species phylogeny of the scorpion family Bothriuridae. 27<sup>th</sup> Meeting of the Willi Hennig Society and VIII Reunión Argentina de Cladística y Biogeografía, San Javier, Tucumán, Argentina, 28–31 October 2008. Abstract: *Cladistics* **26**: 216–217.
- Monod, L. and **Prendini, L.** Liochelid scorpions of the Indo-Pacific: Systematics and biogeography. Special symposium on scorpions and smaller arachnid orders. 24<sup>th</sup> European Colloquium of Arachnology, Bern, 25–29 August 2008. Abstract: P. 55 In: *24<sup>th</sup> European Congress of Arachnology*.
- Král, J., Štáhlavský, F., Musilová, J., Sember, A., Dulíková, L., Pekár, S., Weygoldt, P., Haupt, J., Gromov, A., Huber, S., and **Prendini, L.** Fundamental trends in the karyotype evolution of Pedipalpi: Comparison with spiders, solifuges, and palpigrades. Special symposium on scorpions and smaller arachnid orders. 24<sup>th</sup> European Colloquium of Arachnology, Bern, 25–29 August 2008. Abstract: P. 59 In: *24<sup>th</sup> European Congress of Arachnology*.

## CONTRIBUTED PRESENTATIONS (contd.)

- Esposito, L.A. and **Prendini, L.** Biogeography of the bark scorpions, *Centruroides* Marx 1890. 24<sup>th</sup> European Colloquium of Arachnology, Bern, 25–29 August 2008. Special symposium on scorpions and smaller arachnid orders. Abstract: P. 59 In: *24<sup>th</sup> European Congress of Arachnology*.
- Esposito, L.A., Volschenk, E.S., and **Prendini, L.** New molecular and morphological insights into the systematics of New World buthid scorpions. 32<sup>nd</sup> Annual Meeting of the American Arachnological Society, University of California, Berkeley, 25–30 July 2008. Abstract: P. 56 In: *32<sup>nd</sup> Annual Meeting of the American Arachnological Society*.
- Cushing, P.E., Brookhart, J.O., and **Prendini, L.** Structure of papillae on the pedipalps of solifuges – revisited. 32<sup>nd</sup> Annual Meeting of the American Arachnological Society, University of California, Berkeley, 25–30 July 2008. Abstract: P. 22 In: *32<sup>nd</sup> Annual Meeting of the American Arachnological Society*.
- Dippenaar-Schoeman, A.S., **Prendini, L.**, and Van den Berg, A. SANSAs surveys of the Savanna Biome: The rich arachnid fauna of the Nylsvley Nature Reserve (Arachnida: Araneae, Scorpiones). 9<sup>th</sup> African Arachnological Colloquium, Lajuma, South Africa, 2–8 February 2008. Abstract: P. 19. *Newsletter of the African Arachnological Society* 21.
- Wirkner, C. and **Prendini, L.** Comparative morphology of the hemolymph vascular system in scorpions: A survey using corrosion casting, microCT, and 3D-reconstruction. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 143 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*. [poster]
- Kamenz, C., **Prendini, L.**, Dunlop, J., and Scholtz, G. Phylogenetic implications of scorpion book lungs. Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 134 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.
- Cushing, P.E., **Prendini, L.**, Savary, W.E., Brookhart, J.O., Wharton, R.A., Bird, T., and Gromov, A.V. Global survey and inventory of Solifugae. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 75 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*. [poster]
- Arnedo, M., Benjamin, S.P., Bond, J., Coddington, J., Goloboff, P., Grismado, C., Griswold, C., Hayashi, C., Hedin, M., Hormiga, G., Maddison, W., Miller, J., Platnick, N., Penney, D., **Prendini, L.**, Ramírez, M., Scharff, N., Silva, D., Sierwald, P., Vink, C., and Wheeler, W. Spinning a new web in spider systematics: Progress towards the phylogeny of Araneae. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 66 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*. [poster]
- Volschenk, E.S., Mattoni, C.I., and **Prendini, L.** New insight into the ovariterus anatomy of the buthid (Buthidae) scorpions: An overlooked phylogenetic tool. Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 43 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.
- Mattoni, C.I. and **Prendini, L.** Phylogeny and biogeography of the family Bothriuridae (Scorpiones). Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 42 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.
- Esposito, L.A. and **Prendini, L.** Phylogeny of the southern African thick-tail scorpion genus *Parabuthus* Pocock (Buthidae), based on morphology and DNA. Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 42 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.
- González, E., **Prendini, L.**, Sissom, W.D., Francke, O.F., and Savary, W.E. Progress towards a systematic revision of the North American scorpion family Vaejoidea. Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 41 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.
- Francke, O.F. and **Prendini, L.** Reappraisal of the phylogeny and classification of the giant hairy scorpions, *Hadirus* Thorell (Iuridae). Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 41 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*.

## CONTRIBUTED PRESENTATIONS (contd.)

- Cushing, P.E., **Prendini, L.**, Savary, W.E., Brookhart, J.O., Wharton, R.A., Bird, T., and Gromov, A.V. Global survey and inventory of Solifugae. 31<sup>st</sup> Annual Meeting of the American Arachnological Society, Susquehanna University, Selingsgrove, PA, 13–17 July 2007. Abstract: *American Arachnology* **76**: 11. [poster]
- Vignoli, V., Tchiboza, S. and **Prendini, L.** First survey of scorpion diversity in the Republic of Benin. 23<sup>rd</sup> European Colloquium of Arachnology, Barcelona, Spain, 4–8 September 2006. [poster]
- Webb, S., Volschenk, E., Mattoni, C., **Prendini, L.** and Wheeler, W. Microcharmidae: Los bítidos perdidos (Scorpiones). Primer Congreso Latinoamericano de Aracnología, Minas, Uruguay, 4–9 December 2005.
- Vignoli, V. and **Prendini, L.** The genus *Butheoloides* Hirst, 1925 (Scorpiones, Buthidae) in Morocco with considerations on an interesting morphotype (Scorpiones, Buthidae) from the Anti Atlas region. 22<sup>nd</sup> European Colloquium of Arachnology, Blagoevgrad, Bulgaria, 1–6 August 2005. Abstract: P. 98 In: *Abstracts, 22<sup>nd</sup> European Colloquium of Arachnology*. [poster]
- Vignoli, V. and **Prendini, L.** Systematic revision of the family Superstitioniidae Stahnke, 1940 (Arachnida: Scorpiones). 22<sup>nd</sup> European Colloquium of Arachnology, Blagoevgrad, Bulgaria, 1–6 August 2005. Abstract: P. 97 In: *Abstracts, 22<sup>nd</sup> European Colloquium of Arachnology*. [poster]
- Arnedo, M., Bond, J., Coddington, J., Goloboff, P., Grismado, C., Griswold, C., Hayashi, C., Hedin, M., Hormiga, G., Maddison, W., Miller, J., **Prendini, L.**, Ramírez, M., Scharff, N., Shear, W., Sierwald, P., Vink, C., and Wheeler, W. Assembling the Tree of Life: Phylogeny of Spiders. Assembling the Tree of Life (ATOL) Principal Investigators' Meeting, National Science Foundation, Arlington, VA, U.S.A., 19–21 November 2004. [oral presentation]
- Arnedo, M., Bond, J., Coddington, J., Goloboff, P., Grismado, C., Griswold, C., Hayashi, C., Hedin, M., Hormiga, G., Maddison, W., Miller, J., **Prendini, L.**, Ramírez, M., Scharff, N., Shear, W., Sierwald, P., Vink, C., and Wheeler, W. Assembling the Tree of Life: Phylogeny of Spiders. Assembling the Tree of Life (AToL) Principal Investigators' Meeting, National Science Foundation, Arlington, VA, U.S.A., 19–21 November 2004. [poster prepared by L. Prendini]
- Bisulca, C., Kronthal, L., **Prendini, L.** and Mercurio, R. Upgrading the arachnid and myriapod collections at the American Museum of Natural History. 19<sup>th</sup> Annual Meeting of the Society for the Protection of Natural History Collections (SPNHC), American Museum of Natural History, New York, U.S.A., 11–15 August 2004.
- Prendini, L.** (photography by R. Mercurio). Threats facing southern Africa's unique scorpion fauna. 16<sup>th</sup> International Congress of Arachnology, Ghent University, Ghent, Belgium, 2–7 August 2004. Abstract: P. 261 In: *Abstracts, 16<sup>th</sup> International Congress of Arachnology*. [poster]
- Prendini, L.**, and Wheeler, W.C. Assembling the Scorpion Tree of Life: Phylogeny of Extant Scorpions based on Molecules, Morphology and Exemplars. 16<sup>th</sup> International Congress of Arachnology, Ghent University, Ghent, Belgium, 2–7 August 2004. Abstract: P. 131 In: *Abstracts, 16<sup>th</sup> International Congress of Arachnology*.
- Hormiga, G., Arnedo, M., Bond, J., Coddington, J., Goloboff, P., Grismado, C., Griswold, C., Hayashi, C., Hedin, M., Maddison, W., Miller, J., Platnick, N., **Prendini, L.**, Ramírez, M., Scharff, N., Shear, W., Sierwald, P., Vink, C., and Wheeler, W. The project "Assembling the tree of life: Phylogeny of spiders". 16<sup>th</sup> International Congress of Arachnology, Ghent University, Ghent, Belgium, 2–7 August 2004. Abstract: P. 81 In: *Abstracts, 16<sup>th</sup> International Congress of Arachnology*. Presenters.
- Gromov, A.V. and **Prendini, L.** Solpugids of the genus *Galeodopsis* Birula, 1903 in Central Asia. 16<sup>th</sup> International Congress of Arachnology, Ghent University, Ghent, Belgium, 2–7 August 2004. Abstract: P. 42 In: *Abstracts, 16<sup>th</sup> International Congress of Arachnology*. [poster]
- Prendini, L.**, and Wheeler, W.C. Assembling the Scorpion Tree of Life: Phylogeny of Extant Scorpions based on Molecules, Morphology and Exemplars. 23<sup>rd</sup> Meeting of the Willi Hennig Society, CNRS/Muséum national d'Histoire naturelle, Paris, France, 18–23 July 2004.
- Prendini, L.** (photography by R. Mercurio). Threats facing southern Africa's unique scorpion fauna. Expanding the Ark: The Emerging Science and Practice of Invertebrate Conservation. Spring Symposium, Center for Biodiversity and Conservation, American Museum of Natural History, New York, U.S.A., 25–26 March 2004. Abstract: P. 30 In: *Expanding the Ark: The Emerging Science and Practice of Invertebrate Conservation*, American Museum of Natural History. [poster]
- Arnedo, M., Bond, J., Coddington, J., Goloboff, P., Grismado, C., Griswold, C., Hayashi, C., Hedin, M., Hormiga, G., Maddison, W., Miller, J., Platnick, N., **Prendini, L.**, Ramírez, M., Scharff, N., Shear, W., Sierwald, P., Vink, C., and Wheeler, W. Filogenia de las Familias del Orden Araneae: El Proyecto "Assembling the Tree of Life: Phylogeny of Spiders." IV Encuentro de Aracnólogos del Cono Sur, São Paulo, Brazil, 7–12 December 2003.

## CONTRIBUTED PRESENTATIONS (contd.)

- Ramírez, M., Arnedo, M., Bond, J., Coddington, J., Goloboff, P., Griswold, C., Hayashi, C., Hedin, M., Hormiga, G., Maddison, W., **Prendini, L.**, Scharff, N., Shear, W., Sierwald, P., and Wheeler, W. Challenges in data management for international, multi-author phylogenetic analysis. The project "Assembling the Tree of Life: Phylogeny of Spiders." IV Reunión Argentina de Cladística y Biogeografía, Córdoba, Argentina, 26 February–1 March 2003.
- Coddington, J.A., Giribet, G., Harvey, M.S., **Prendini, L.** and Walter, D.E. The Arachnids: Spiders and their relatives. *Assembling the Tree of Life: Science, Relevance, and Challenges*, American Museum of Natural History, New York, U.S.A., 30 May–1 June 2002. Abstract: P. 6 In: *Assembling the Tree of Life: Science, Relevance, and Challenges*, American Museum of Natural History.
- Prendini, L.**, Crowe, T.M., Linder, H.P. and Wheeler, W.C. A tale with a sting! Systematics of *Opisthophthalmus* (Scorpiones: Scorpionidae). 15<sup>th</sup> International Congress of Arachnology, Badplaas, South Africa, 26–30 March 2001. Abstract: P. 134 In: Dippenaar-Schoeman, A., Crouch, T., Whitmore, C. and Kassimatis, E. (Eds.) *Abstracts of the 15<sup>th</sup> International Congress of Arachnology*.
- Dyason, K., Du Plessis, J.L., **Prendini, L.**, Brandt, W., Fiedler, A., Müller, G.J., Verdonck, F., Tytgat, J., Possani, L.D., Olamendi, T. and Van der Walt, J.J. An analysis of venom from scorpions of the genus *Parabuthus* of southern Africa with MALDI TOF mass spectrometry. 15<sup>th</sup> International Congress of Arachnology, Badplaas, South Africa, 26–30 March 2001. Abstract: P. 60 In: Dippenaar-Schoeman, A., Crouch, T., Whitmore, C. and Kassimatis, E. (Eds.) *Abstracts of the 15<sup>th</sup> International Congress of Arachnology*.
- Villet, M.H., Barker, N.P., Barber-James, H., Bellamy, C., Bills, R., Brendonck, L., Brock, P., Coetzee, L., Crouch, T., Day, J., De Moor, F., Dippenaar-Schoeman, A., Gess, F., Gess, S., Greenslade, P., Griffiths, C., Hamer, M., Harrison, A., Hedge, T., Herbert, D., Heyne, M., Irish, J., Kilburn, R., Kok, D., Londt, J., Mansell, M., Martens, K., Mianzan, H., Millar, I., Polack, D., **Prendini, L.**, Prinsloo, G., Rayner, N., Reavell, P., Robertson, H., Roeleveld, M., Seaman, M., Segerman, J., Stiller, M., Thandar, A., Toms, R., Turner, A., Ueckermann, E., Van der Land, J., Van Noort, S. and Watson, M. An audit of animal diversity in South Africa. *Multidisciplinary Approaches to Systematics: Second Conference of the Southern African Society for Systematic Biology*, Mtunzini, South Africa, 10–14 July 2000. Abstract: P. 3 In: *Multidisciplinary Approaches to Systematics Abstracts*.
- Prendini, L.**, Crowe, T.M., Linder, H.P. and Wheeler, W.C. Taking the sting out of scorpion systematics: An outline of progress in understanding the systematics of *Opisthophthalmus* C.L. Koch. 23<sup>rd</sup> Annual Meeting of the American Arachnological Society, University of the West Indies, St. Augustine, Trinidad & Tobago, 27 June–2 July 1999. Abstract: P. 31 In: Ramjohn, C.L. and Maharaj, S. (Eds.) *Proceedings of the 23<sup>rd</sup> Annual Meeting of the American Arachnological Society, Occasional Paper no. 10, Department of Life Sciences, University of the West Indies*.
- Prendini, L.**, Crowe, T.M., Linder, H.P. and Wheeler, W.C. Taking the sting out of scorpion systematics: An outline of progress in understanding the systematics of *Opisthophthalmus* C.L. Koch. 6<sup>th</sup> International Colloquium of the African Arachnological Society, Swakopmund, Namibia, 19–23 April 1999. Abstract: P. 26 In: *African Arachnological Society Programme*.
- Prendini, L.**, Crowe, T.M. and Linder, H.P. Phylogeny of the superfamily Scorpionoidea (Chelicerata: Scorpiones). XIV International Congress of Arachnology and 22<sup>nd</sup> Annual Meeting of the American Arachnological Society, Field Museum of Natural History, Chicago, U.S.A., 27 June–3 July 1998. Abstract: P. 30 In: Van der Merwe, M., Platnick, N.I. and Sierwald, P. (Eds.) *Abstracts, XIV International Congress of Arachnology and 22<sup>nd</sup> Annual Meeting of the American Arachnological Society*.
- Prendini, L.**, Crowe, T.M. and Linder, H.P. Sex and segmentation: Challenges to scorpion cladistics. Symposium of the Zoological Society of Southern Africa, University of Cape Town, South Africa, 7–11 July 1997. Abstract: P. 73 In: *Abstracts, Zoology and Human Welfare. The role of the zoological sciences in the future prosperity of southern Africa*, University of Cape Town.
- Prendini, L.**, Linder, H.P. and Picker, M.D. Insect-plant associations: Coevolution or sequential evolution? Joint congress of the Entomological Society of Southern Africa (11<sup>th</sup> congress) and the African Association of Insect Scientists (12<sup>th</sup> congress), University of Stellenbosch, South Africa, 30 June–4 July 1997. Abstract: P. 192 In: Robertson, H.G. (Ed.) *Insects in African Economy and Environment, Proceedings of the Joint congress of the Entomological Society of Southern Africa (11<sup>th</sup> congress) and the African Association of Insect Scientists (12<sup>th</sup> congress)*, Entomological Society of Southern Africa, Pretoria.
- Prendini, L.**, Linder, H.P. and Picker, M.D. Parallel cladogenesis, coevolution and sequential evolution in insect-plant associations: A test case. 15<sup>th</sup> Meeting of the Willi Hennig Society, University of Cape Town, South Africa, 15–20 December 1996.
- Prendini, L.**, Crowe, T.M. and Linder, H.P. Challenges to scorpion cladistics: Effects of sex, segmentation and psammophily. 15<sup>th</sup> Meeting of the Willi Hennig Society, University of Cape Town, South Africa, 15–20 December 1996.

## CONTRIBUTED PRESENTATIONS (contd.)

**Prendini, L.** Substratum-specificity as an agent of speciation in arid-zone arachnids. 5<sup>th</sup> International Colloquium of the Research Group for the Study of African Arachnids, Klein Kariba, Warmbaths, South Africa, 24–29 November 1996. Abstract: P. 22 In: *5<sup>th</sup> African Arachnological Colloquium Abstracts*.

**Prendini, L.** The role of substratum-specificity in the distribution and speciation of southern African arthropods. Symposium of the Zoological Society of Southern Africa, University of Pretoria, South Africa, 8–12 July 1996. Abstract: P. 83 In: *Abstracts, Integrating Zoology: Subdisciplines and the Subcontinent*, University of Pretoria.

## GRANTS

- 2018–2019 Botswana International University of Science and Technology (BIUST) - Research Initiation Grant: 'Identification and characterization of novel molecules with potential biomedical applications from scorpion (Arachnida) and centipede (Chilopoda) venom' (USD 18,970), Collaborator with Tharina Bird (PI).
- 2017–2020 National Science Foundation (NSF) - DEB 1655050: 'Living Fossils: Integrating Phylogenomics and Comparative Morphology to Assemble the Scorpion Tree of Life' (USD 808,499), PI
- 2018 DAAD (German Academic Exchange Service) - Short-Term Research Grant: 'Biogeographical Origins and Diversification of the Cave Millipede Family Sinocallipodidae Zhang, 1993 (Sinocallipodidae, Callipodida, Diplopoda)' (USD 5,655), Collaborator with Stephanie F. Loria (PI), Danilo Harms and Nguyen Duc Anh
- 2017–2018 National Geographic Society (NGS) - Expedition Grant WW-214R-17: 'Exploring Unknown Arachnid Diversity in the Caves of an Ancient Tepui' (USD 18,100), Co-PI, with Pío Colmenares (PI)
- 2016–2018 South African National Research Foundation (NRF) - Foundational Biodiversity Information Programme (FBIP): 'BioGaps: Filling Biodiversity Information Gaps to Support Development Decision Making in the Karoo' [<https://www.sanbi.org/karoo-biogaps-project>] (USD 68,855; AMNH budget: \$6,305 for fieldwork in South Africa and identification of materials collected plus USD 9,920 to support South African student to digitize 8,000 scorpion records in AMNH collection), Steering Committee Member and Taxon Lead with Domitilla Raimondo and Krystal Tolley (Co-PIs) and ca. 30 participants including ten Taxon Leads
- 2016 American Arachnological Society - Herb Levi Memorial Fund for Arachnological Research: 'Understanding Patterns of Diversity in Tibetan Scorpions' (USD 1,660), Co-PI with Stephanie F. Loria (PI)
- Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Out of India' or 'Eurogondwana'? Testing Hypotheses for the Origins and Diversification of Asian Arachnida' (USD 17,788), PI with Stephanie F. Loria (Co-PI)
- American Museum of Natural History - Explore21 Grant: 'Biodiversity Surveys in Poorly Explored Regions of Cuba: Developing New Research Collections and Collaborations. Part 2.' (USD 26,716), Co-PI with Susan Perkins (PI), George Amato, et al.
- 2015–2018 United States-Israel Binational Science Foundation (BSF) - Grant 2014046 'Diversity, Origins and Affinities of the Israeli Scorpion Fauna' (USD 135,000), PI with Eran Gefen (Co-PI)
- 2015 American Museum of Natural History - Explore21 Grant: 'Biodiversity Surveys in Poorly Explored Regions of Cuba: Developing New Research Collections and Collaborations' (USD 82,210), Co-PI with Susan Perkins (PI), George Amato, Chris Raxworthy, Brian Smith, Ana-Luz Porzecanski, et al.
- National Geographic Society (NGS) - Young Explorer's Grant 12127695609: 'Patterns of Diversity and Endemism of Indo-Pacific Island Scorpions' (\$5,000), Co-PI with Stephanie F. Loria (PI).
- 2013–2014 National Science Foundation (NSF) - DEC 1310855 (Doctoral Dissertation Improvement Grant): 'Dissertation Research: Patterns of Diversity and Endemism in South-East Asian scorpions: Systematics and Biogeography of Chaerilidae' (USD 20,766), PI with Stephanie F. Loria (Co-PI).
- 2012–2014 JRS Biodiversity Foundation: 'Improvement and Integration of Arachnid Biodiversity Information in South Africa' [<http://jrsbiodiversity.org/grant/national-museum-bloemfontein>] (USD 180,000), Co-PI with Bridgit Davis (PI), Leon Lotz and Burgert Muller
- 2012–2013 Higher Education Commission (HEC), Pakistan - Postdoctoral Fellowships Program: 'Molecular Systematics of Medically Important Scorpions (Family Buthidae) from Pakistan' (stipend and subsistence for 12 months in New York for postdoctoral fellow, H. Muhammad Tahir; USD 10,000 bench fees for Prendini)

## GRANTS (contd.)

- 2012 Ben Gurion University of the Negev (BGU) - Jacob Blaustein Center for Scientific Cooperation: Award from Foreign Visiting Lecturers' Program: 'Systematics and Diversity of Scorpions, with Introduction to the Israeli Fauna' (USD 3,070 for travel expenses for fieldwork and intensive course at Ben-Gurion University of the Negev, Sde Boqer, in 2013)  
Israel Taxonomy Initiative: 'Systematics and Diversity of Scorpions, with Introduction to the Israeli Fauna' (USD 3,020 for airfare to/from Israel, accommodation and per diem for 2 weeks, vehicle for fieldwork, teaching aids for four-day course in 2013)  
Higher Education Commission (HEC), Pakistan - Visiting Scholar Program: Travel grant (USD 1,500 for travel to lecture and conduct workshop at University of Sargodha, Punjab, and visit collections at Pakistan Museum of Natural History, Islamabad)
- 2011–2012 Mohammad bin Zayed (MBZ) Species Conservation Fund - Grant 11252329: 'Assessing the Conservation Status of Endangered Scorpions (Scorpionidae: *Opisthophthalmus*) in the Western Cape Province, South Africa' (USD 20,000)
- 2011 Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Expedition to Collect Eyeless, Depigmented Cave Scorpions (Pseudochactidae) from Xe Bang Fai River Cave, Laos, and Phong Nha Cave, Vietnam' (USD 5,490)
- 2009–2010 National Science Foundation (NSF), U.S.A. - DEC 0910147 (Doctoral Dissertation Improvement Grant): 'Dissertation Research: Revision of the New World scorpion genus *Centruroides* Marx, 1890: Systematics and Biogeography' (USD 14,847), PI with Lauren A. Esposito (Co-PI)  
National Science Foundation (NSF), U.S.A. - DEC 0910091 (Doctoral Dissertation Improvement Grant): 'Dissertation Research: The Liochelidae of the Indo-Pacific Region: Systematics and Biogeography' (USD 14,750), PI with Lionel Monod (Co-PI)
- 2009 Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Expedition to the Sperrgebiet (Diamond Area I), Namibia' (USD 6,000)
- 2008–2010 Secretario Nacional de Ciencia, Tecnología e Innovación (SENACYT), Panama: 'Investigación sobre la diversidad, ecología y distribución de los alacranes de Panamá para dar respuesta al problema nacional del emponzoñamiento por alacranes' (AMNH component: USD 24,000), Co-PI with Diomedes Quintero (PI)
- 2008 Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Expedition to Namibia' (USD 7,500)
- 2007–2011 National Science Foundation (NSF), U.S.A. - DEB 0640219: 'Collaborative Research: Global Survey and Inventory of Solifugae' (USD 649,984), Co-PI with Paula E. Cushing (PI) [Prendini wrote the proposal]
- 2007 Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Expedition to Malawi, Mozambique, Namibia and South Africa' (USD 7,500)
- 2006–2009 Australian Biological Resources Study: 'Revision and Phylogeny of the Australian scorpion genus *Urodacus* Peters (Scorpiones)' (AUD 181,135), Co-PI with E.S. Volschenk (PI), M.S. Harvey (Co-PI)
- 2006 National Science Foundation (NSF), U.S.A. - DBI 0619559: 'Acquisition of a Variable Pressure SEM at the American Museum of Natural History' (USD 386,563), Major User with Angela Klaus (PI)
- 2004–2008 National Science Foundation (NSF), U.S.A. - DEB 0413453: 'REVSYS: Revisionary Systematics of the North American Scorpion Family Vaejovidae' (USD 414,578), PI with W. David Sissom (Co-PI)
- 2004–2007 Richard Lounsbery Foundation: 'DNA barcoding of Leeches and Scorpions': (USD 325,000), Co-PI with R. DeSalle (PI) and M.E. Siddall (Co-PI)
- 2003–2004 Stavros Niarchos Foundation - Constantine S. Niarchos Expedition Grant: 'Expedition to Damaraland and Kaokoveld, Namibia' (USD 7,000)
- 2003 National Science Foundation (NSF), U.S.A. - EAR 0228699 Supplement: 'Expedition to the Central Asian Countries of Kazakhstan and Uzbekistan' (USD 7,170), Co-PI with Ward C. Wheeler (PI) and Jonathan A. Coddington, Gustavo Hormiga and Petra Sierwald (Co-PIs)
- 2002–2006 National Science Foundation (NSF), U.S.A. - EAR 0228699: 'Assembling the Tree of Life: Phylogeny of Spiders' (USD 2,738,000), Co-PI with Ward C. Wheeler (PI) and Jonathan A. Coddington, Gustavo Hormiga and Petra Sierwald (Co-PIs)
- 2000 American Arachnological Society - Arachnology Research Fund: Travel Grant (USD 800)

## GRANTS (contd.)

- 1999 American Museum of Natural History - Collections Study Grant (USD 1,000)  
University of Michigan - Visiting Researcher, Program for the Promotion of International Partnerships (airfare from Cape Town, board, lodging and research expenses in Ann Arbor)
- 1998 American Museum of Natural History - Theodore Roosevelt Memorial Fund (USD 1,500)  
American Arachnological Society - Arachnology Research Fund: Travel Grant (USD 400)  
Harvard University, Museum of Comparative Zoology - Ernst Mayr Grant (USD 1,500)
- 1997 American Museum of Natural History - Theodore Roosevelt Memorial Fund (USD 1,500)

## SCHOLARSHIPS AND BURSARIES

- 2000 The Skye Foundation and Charitable Trust Scholarship
- 1998, 1999 Foundation for Research Development, South Africa - Prestigious Bursary, Ph.D.
- 1997 Foundation for Research Development, South Africa - Prestigious Bursary, M.Sc.
- 1996, 1997 University of Cape Town - Myer Levinson (EMDIN) Scholarship
- 1996, 1997 University of Cape Town - S.A. College Croll Scholarship
- 1996 Foundation for Research Development, South Africa - M.Sc. Bursary
- 1995 Foundation for Research Development, South Africa - B.Sc. (Hons) Bursary
- 1992–1994 Foundation for Research Development, South Africa - B.Sc. Bursary  
The Premier Group Bursary  
Standard Bank of South Africa Scholarship

## AWARDS AND HONORS

- 2012 University of Sargodha, Pakistan
- 2003 Fellow (elected), Willi Hennig Society
- 2002 University of Cape Town - Purcell Memorial Prize: best dissertation in zoological subject (Ph.D.)
- 1999 6<sup>th</sup> International Conference of the African Arachnological Society: best speaker
- 1996 5<sup>th</sup> International Colloquium of the Research Group for the Study of African Arachnids: best speaker
- 1995 University of Cape Town - Purcell Memorial Prize: best dissertation in zoological subject (B.Sc.Hons)  
University of Cape Town - Wayne Rendell Memorial Award: most outstanding student (Zoology Honors)  
University of Cape Town - Zoological Society of Southern Africa Award: most outstanding student (Zoology Honors)
- 1994 University of the Witwatersrand - South African Breweries Gold Medal: outstanding performance in Biological Sciences (third year)  
University of the Witwatersrand - Certificate of Merit (Botany III)  
University of the Witwatersrand - Certificate of Merit (Zoology III)  
University of the Witwatersrand - John Twinch Memorial Prize (Botanical Ecology)  
University of the Witwatersrand - Peter Thompson Prize: best student (Plant Systematics II)  
University of the Witwatersrand - Zoological Society of Southern Africa Award: most outstanding student (Zoology III)
- 1993 University of the Witwatersrand - South African Breweries Silver Medal: outstanding performance in Biological Sciences (second year)  
University of the Witwatersrand - Certificate of Merit (Botany II)  
University of the Witwatersrand - Certificate of Merit (Zoology II)  
University of the Witwatersrand - Peter Thompson Prize: best plant collection (Plant Systematics I)  
University of the Witwatersrand - Tree Society of Southern Africa Prize: most outstanding student (Plant Systematics I)



## AWARDS AND HONORS (contd.)

- 1992 Anglo-American Corporation Open Scholarship Book Prize  
University of the Witwatersrand - South African Breweries Bronze Medal: outstanding performance in Biological Sciences (first year)  
University of the Witwatersrand - Certificate of Merit (Botany I)  
University of the Witwatersrand - Certificate of Merit (Zoology I)

## PATRONYMS

- Amblypygi: †*Kronocharon prendinii* Engel & Grimaldi, 2014 [Cretaceous (ca. 99 Ma) Burmese amber]  
Araneae: *Penestomus prendinii* Miller, Griswold & Haddad, 2010  
Chilopoda: *Paralamyctes prendinii* Edgecombe, 2003  
Scorpiones: *Brachistosternus prendinii* Ojanguren Affilastro, 2003  
*Microtityus prendinii* Armas & Teruel, 2012  
*Pandinurus prendinii* Rossi, 2015 = *Pandinurus sudanicus* (Hirst, 1911)  
*Vaejovis prendinii* Santibañez-López & Francke, 2010

## INVITED PRESENTATIONS

- Prendini, L.** Scorpions in the Karoo. National Research Foundation, Foundational Biodiversity Information Program, Karoo BioGaps Project Steering Committee Meeting, South African National Biodiversity Institute, Kirstenbosch National Botanical Gardens, Cape Town, South Africa, 6–7 February 2018.
- Prendini, L.** Accelerating the Global Systematic Revision of Scorpions. Improving Accuracy and Efficiency with Integrative Taxonomy, Collaboration and Cyberinfrastructure. Systematics Association Biennial Meeting 'Systematics, The Science that Underpins Biology', Museum of Natural History, University of Oxford, U.K., 26–28 August 2015. P. 35 In: Abstracts booklet. [invited]
- Prendini, L.** The fascinating world of scorpions, with introduction to the scorpion fauna of Jordan. Dana Biosphere Reserve, Jordan, 9 September 2013.
- Prendini, L.** Living fossils: The fascinating world of scorpions. Columbia University Club, New York, NY, 24 April 2013. [public presentation]
- Prendini, L.** Living fossils: Systematics and evolution of scorpions. Department of Biology, Rutgers University, Newark, NJ, 26 March 2013.
- Prendini, L.** A tale with a sting: Scorpion systematics in southern Africa. Natural History Museum of Zimbabwe, Bulawayo, 30 January 2013. [public presentation, featured in *Morning Mirror Edition 522*, 28 January 2013]
- Prendini, L.** Scorpion Systematics: Promise and Pitfalls of DNA Barcoding. International Symposium on DNA Barcoding, University of Sargodha, Punjab, Pakistan, 15 May 2012. [plenary]
- Prendini, L.** Assembling the Scorpion Tree of Life: Towards a Global Systematic Revision of the Scorpions. American Museum of Natural History, New York, NY, 30 April 2012.
- Prendini, L.** Assembling the Scorpion Tree of Life: Towards a Global Revision of the Order Scorpiones. 26<sup>th</sup> European Congress of Arachnology, Ben-Gurion University of the Negev, Israel, 4–7 September 2011. Abstract: P. 19 In: *26<sup>th</sup> European Congress of Arachnology*. [plenary]
- Prendini, L.** Assembling the Scorpion Tree of Life: Towards a global revision of the Order Scorpiones/Ensamblando el Árbol de la Vida de los Escorpiones: Hacia una revisión global del Orden Scorpiones. Simposio 2, Arácnidos. XXI Congreso Venezolano de Entomología, Universidad Simón Bolívar, Caracas, Venezuela, 19–24 July 2009. Abstract: P. 4 In: Arrivillaga, J., El Souki, M. & Herrera, B. (Eds.) *Libro de Memorias, Simposio de Arácnidos*. [plenary presentation in simultaneous English and Spanish versions]
- Prendini, L.** Assembling the Scorpion Tree of Life. The Tree of Life Institute, American Museum of Natural History, New York, NY, 22–30 July 2008 (presentation on 22 July).
- Prendini, L.** and Volschenk, E.S. Dynamic homology and the evolution of scorpion trichobothriotaxy. Symposium: Scorpion Systematics. 17<sup>th</sup> International Congress of Arachnology, São Pedro, São Paulo, Brazil, 5–10 August 2007. Abstract: P. 43 In: Rheims, C.A., Machado, G., Brescovit, A.D., Gnaspini, P., Pinto-da-Rocha, R., Ruiz, G.S., and Santos, A.J. (Eds.) *Abstracts, 17<sup>th</sup> International Congress of Arachnology*. [invited]
- Prendini, L.** Burrowing scorpion systematics and the evolution of the southern African paleoenvironment. American Museum of Natural History, New York, NY, 2 May 2007.

## INVITED PRESENTATIONS (contd.)

- Prendini, L.** Southern African Burrowing Scorpions: Models for Systematics and Biogeography. Department of Biology, Villanova University, PA, 31 March 2005.
- Prendini, L.** Towards a phylogenetic revision of the Order Scorpiones. Division of Invertebrate Zoology, American Museum of Natural History, New York, U.S.A., 31 January 2005.
- Prendini, L.** Scorpions: Model Organisms for Systematics and Biogeography. American Museum of Natural History, New York, NY, 16 June 2004.
- Prendini, L.** Burrowing Scorpions: A Model for Systematics and Biogeography in southern Africa. Friedrich-Schiller-Universität, Jena, Germany, 18 May 2004.
- Prendini, L.** Burrowing Scorpions: A Model for Systematics and Biogeography in southern Africa. Zoologisches Museum der Universität Humboldt, Berlin, Germany, 13 May 2004.
- Prendini, L.** Burrowing Scorpions: A Model for Systematics and Biogeography in southern Africa. African Biodiversity – Molecules, Organisms and Ecosystems. 5<sup>th</sup> International Symposium on Tropical Biology, Museum Alexander Koenig, Bonn, 2–6 May 2004. Abstract: P. 113 In: *5<sup>th</sup> International Symposium on Tropical Biology Abstracts*, Museum Alexander Koenig. [plenary]
- Bisulca, C., Kronthal, L., **Prendini, L.\*** and Mercurio, R. Upgrading the arachnid and myriapod collections at the American Museum of Natural History. Major Systematic Entomology Facilities (MSEF) Meeting, Plant Protection Research Institute, Pretoria, South Africa, 4–5 December 2003. \*Presenter.
- Prendini, L.** A tale with a sting! Scorpion systematics in southern Africa. Department of Entomology, Cornell University, Ithaca, NY, 29 September 2003.
- Prendini, L.** A tale with a sting! Scorpion systematics in southern Africa. Department of Biology, New Mexico State University, Las Cruces, NM, 12 September 2002.
- Prendini, L.** A tale with a sting! Scorpion systematics in southern Africa. Division of Earth and Planetary Sciences, American Museum of Natural History, New York, NY, 9 August 2002.
- Prendini, L.** Putting the sting into scorpion systematics: Species, higher taxa, morphology and molecules. American Museum of Natural History, New York, NY, 8 May 2000.
- Prendini, L.** A tale with a sting! Scorpion systematics in southern Africa. Percy FitzPatrick Institute, University of Cape Town, South Africa, 30 October 2000.
- Prendini, L.** The role of molecular biology and student training in a Zoology Department. Department of Entomology, University of Pretoria, South Africa, 27 February 2000.
- Prendini, L.,** Crowe, T.M. and Linder, H.P. Exemplars, groundplans, and the phylogeny of the superfamily Scorpionoidea. Systematics in South Africa: The Inaugural Conference of the Southern African Society for Systematic Biology, University of Stellenbosch, South Africa, 18–22 January 1999. Abstract: P. 17 In: *Systematics in South Africa Abstracts*. [plenary]
- Prendini, L.** Scorpion systematics: An overview of work in progress. Percy FitzPatrick Institute, University of Cape Town, South Africa, 26 October 1998.
- Prendini, L.** Systematics, distribution and ecology of *Parabuthus*: An overview of current knowledge. Symposium, Scorpion toxins from southern Africa: from purification to mode of action. Faculty of Pharmaceutical Sciences, Katolieke Universiteit, Leuven, Belgium, 17 April 1998.
- Prendini, L.** The role of substratum-specificity in the distribution and speciation of southern African arthropods. Department of Zoology, University of Cape Town, South Africa, 5 September 1995.

## FIELDWORK

### Personal Expeditions:

During six years of fieldwork in southern Africa (1995–2000), I collected ca. 8,000 scorpion specimens, material donated to museums in southern Africa, Europe and North America prior to my emigration from South Africa in 2001.

During my tenure at the AMNH (2002–2019), I have striven to enlarge the collections by conducting my own field expeditions, supporting the expeditions of current and former assistants, postdoctoral fellows, students, collaborators and volunteers (financially and logistically), acquiring collections and encouraging donations. I personally conducted 56 field expeditions, totaling ca. 155 weeks in the field, during which ca. 69,525 specimens and tissue samples of arachnids and myriapods were collected. I planned, financed, and led each expedition, arranged all logistics, permits, in-country collaborations, and student participation. Field trips in Djibouti, Kenya, Morocco, Oman, and southern Africa (e.g., the Namib, Kalahari, Kaokoveld, Richtersveld and Sperrgebiet) required proficiency in off-road driving with a 4x4, and complete self-sufficiency (all necessary fuel and water had to be brought, in addition to standard supplies).

## FIELDWORK

### Personal Expeditions (contd.):

2019	Egypt Ethiopia Democratic Republic of the Congo Mauritania Morocco Oman Yemen (Socotra)
2018	Eritrea Ethiopia (twice) Kenya (twice) Malawi, 6-day hike to summit of Mount Mulanje Morocco South Africa
2017–2019	U.S.A. (NJ)
2017	Djibouti Oman South Africa Tunisia
2016	South Africa
2015	Angola Namibia South Africa Tanzania
2014	South Africa
2013	Israel Jordan Malaysia (peninsular and Tioman Island) Singapore South Africa Zimbabwe
2012	Laos (twice, first trip including 4-day kayak trip through Xe Bang Fai River Cave) Pakistan South Africa U.S.A. (AZ, CA) Vietnam (twice: first trip on mainland and Con Dao Islands; second trip on mainland)
2011	Botswana Israel South Africa
2010	Namibia South Africa
2009	Namibia Puerto Rico and Isla Mona
2009	South Africa

## FIELDWORK

### Personal Expeditions (contd.):

2009	U.S. Virgin Islands, incl. St. Croix, St. John, St. Thomas Venezuela, including 2-day hike up Auyan Tepui
2008	Namibia South Africa
2007	Malawi Mozambique Namibia South Africa U.S.A. (AZ, CA, NM)
2006	Namibia, including 5-day hike up Brandberg Massif (all supplies and water in 40 kg backpack) South Africa
2005	Mexico (Baja California Peninsula, states: BC, BCS) South Africa U.S.A. (CA, NV)
2004	South Africa
2003/2004	Namibia, including 5-day hike up Brandberg Massif (all supplies and water in 40 kg backpack)
2003	Argentina Chile Kazakhstan South Africa Uzbekistan
2002	Mexico (mainland states: Edo. Mex., HGO, MOR, OAX, PUE, SLP, TAMPS, VER) U.S.A. (AZ, NM)
2001	Swaziland
2000	South Africa
1999	Namibia South Africa Trinidad and Tobago, including 2-day hike up Mt. El Tucuche (Trinidad)
1998	South Africa
1997	South Africa U.S.A. (TX)
1996/1997	Namibia
1989–1996 (ann.)	South Africa

### Research Group Expeditions:

During the past 17 years (2002–2019), I organized, coordinated and financed ca. 130 expeditions and shorter fieldtrips by current and former assistants, postdoctoral fellows, students, collaborators and volunteers, which yielded ca. 47,130 specimens and tissue samples of arachnids and myriapods, in the U.S.A. (AZ, CA, FL, LA, MS, NM, NV, TX, UT), Mexico (all states except Sinaloa), Central America (Belize, Costa Rica, Guatemala, Honduras, Panama, Nicaragua), South America (Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Peru, Uruguay, Venezuela), the Caribbean (Aruba, Bahamas, Barbados, Bequia, Bonaire, Cuba, Curaçao, the Dominican Republic, Grenada, Jamaica, Martinique, Puerto Rico, Mona Island, Nevis, Providenciales, St. Kitts, St. Vincent, Turks and Caicos), Europe (Greece), the Middle East (Israel, Turkey, United Arab Emirates), Africa (Benin, Botswana, Ethiopia, Ghana, Guinea Bissau, Kenya, Morocco, Namibia, Senegal, South Africa, Tanzania and Zimbabwe), Asia (Cambodia, Indonesia, Kazakhstan, Laos, Malaysia, Myanmar, Pakistan, Singapore, Thailand, Tibet, Uzbekistan and Vietnam) and Australia.

## COLLECTIONS

### Growth of Collections:

- 2007–2008 Arranged acquisition of scorpion and solifuge pitfall trap material from USGS San Diego, CA
- 2007 Arranged acquisition of Allan Langheinrich Collection of 20 Silurian *Proscorpius osborni* fossils for AMNH Division of Paleontology:
- 2006–2009 Arranged acquisition of arachnid 'by-catch' from South African Reptile Conservation Assessment, for AMNH Division of Invertebrate Zoology
- 2002– Added ca. 116,610 specimens to AMNH Arachnida and Myriapoda Collections from expeditions or donations for ongoing collaborative projects on arachnids  
Expanded AMCC scorpion tissue collection to include all arachnid orders, Chilopoda and Diplopoda; collection currently comprises ca. 15,530 tissue samples (lots) and associated voucher specimens, acquired by personal collections and donations from colleagues
- 2002 Arranged acquisition of Alexis Harington Scorpion Collection (ca. 6,500 specimens) for AMNH Division of Invertebrate Zoology
- 2001 Donated ca. 8,000 scorpions to the National Museum of Namibia, Windhoek; the Iziko South African Museum, Cape Town; the AMNH, the California Academy of Sciences, San Francisco; and the Zoologisches Institut und Zoologisches Museum (CENAK), Universität Hamburg, Germany
- 1999– Started and continue to enlarge world's only synoptic collection of scorpion tissues (frozen and fixed in 95% ethanol) at the Ambrose Monell Collection for Molecular and Microbial Research (AMCC)
- 1994 Donated ca. 1,000 insects to Museum of Zoology, University of the Witwatersrand, South Africa

### Curation of Collections:

- 2008, 2011, 2014, 2018  
Re-organized AMNH Arachnid and Myriapod Tissue Sample Collection
- 2003– Sorted, organized, and partially databased AMNH Arachnid and Myriapod Reprint Collection
- 2002– Ongoing curation and upgrade (rebotting, databasing, cataloguing, georeferencing) of AMNH Arachnida and Myriapoda Collections
- 1995–2001, 2004, 2009, 2010, 2012–2015  
Curated, sorted, identified and digitized African scorpion collections:  
Albany Museum, Grahamstown, South Africa  
Ditsong National Museum of Natural History, Pretoria, South Africa  
Iziko South African Museum, Cape Town, South Africa  
KwaZulu-Natal Museum, Pietermaritzburg, South Africa  
McGregor Museum, Kimberley, South Africa  
National Collection of Arachnida, Agricultural Research Council, Plant Protection Research Institute, Pretoria, South Africa  
National Museum, Bloemfontein, South Africa  
National Museums of Kenya, Nairobi  
National Museum of Namibia, Windhoek  
Natural History Museum of Zimbabwe, Bulawayo

### AMNH Collections Management:

- 2018 A four-decade-old loan of several hundred Opiliones, scorpions and Solifugae, to the late Emilio Maury at Museo Nacional Argentino de Ciencias Naturales, Buenos Aires, was recovered. Attempts are underway to recover many delinquent historical loans of AMNH material in the U.S. and abroad.
- 2012–2019 Hosted 56 visitors (73 visits) from 42 institutions in 19 countries to the following collections: to sort and identify material in the following collections in accordance with their specialty: Acari; Amblypygi; Araneae; Chilopoda; Diplopoda; Opiliones; Palpigradi; Pseudoscorpiones; Ricinulei; Schizomida; Scorpiones; Solifugae; Thelyphonida

## **COLLECTIONS**

### **AMNH Collections Management (contd.):**

- 2002–2019 Dispatched 220 loan requests from the Arachnida and Myriapoda Collections, totaling 25,710 specimens (Amblypygi, Araneae, Chilopoda, Diplopoda, Opiliones, Palpigradi, Ricinulei, Schizomida, Scorpiones, Solifugae, Thelyphonida)
- 2002–2012 Hosted 36 visitors from 17 countries to sort and identify material in the following collections in accordance with their specialty: Acari; Amblypygi; Chilopoda; Diplopoda; Opiliones; Pseudoscorpiones; Schizomida; Scorpiones; Solifugae

### **Collections Visits and Loans:**

Personally visited 28 collections, besides the AMNH (1995–):

- Albany Museum, Grahamstown, South Africa
- California Academy of Sciences, San Francisco, CA
- Ditsong National Museum of Natural History (former Transvaal Museum), Pretoria, South Africa
- Field Museum of Natural History, Chicago, IL
- Forschungsinstitut und Natur-Museum Senckenberg, Frankfurt, Germany
- Hebrew University of Jerusalem, Israel
- Institute of Fundamental Studies, Kandy, Sri Lanka
- Iziko South African Museum, Cape Town
- KwaZulu-Natal Museum, Pietermaritzburg, South Africa
- Manuel A. González-Sponga Collection, Caracas, Venezuela
- McGregor Museum, Kimberley, South Africa
- Musée Royal de l'Afrique Centrale, Tervuren, Belgium
- Museum für Naturkunde, Universität Humboldt, Berlin, Germany
- Museum National d'Histoire Naturelle, Paris, France
- Museum of Comparative Zoology, Harvard University, Cambridge, MA
- National Collection of Arachnida, Agricultural Research Council, Plant Protection Research Institute, Pretoria, South Africa
- National Museum of Namibia, Windhoek
- National Museum of Natural History, Smithsonian Institution, Washington, DC
- National Museum, Bloemfontein, South Africa
- Natural History Museum of Zimbabwe, Bulawayo
- Natural History Museum, London, UK
- Naturalis: National Museum of Natural History, Leiden, The Netherlands
- Oxford University Museum of Natural History, UK
- Pakistan Museum of Natural History, Islamabad
- Zoologisch Museum, Universiteit van Amsterdam, The Netherlands
- University of Puerto Rico, Rio Piedras
- Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany
- Zoologisches Institut und Zoologisches Museum (CENAK), Universität Hamburg, Germany

Borrowed material from another 11 museum collections not visited in person (1995–):

- Florida State Collection of Arthropods, Gainesville
- Göteborgs Naturhistoriska Museet, Göteborg, Sweden
- Lee Kong Chian Natural History Museum, Singapore
- Kruger National Park Reference Collection, Skukuza, South Africa
- Musée d'Histoire Naturelle, La-Chaux-de-Fond, Switzerland
- Muséum d'Histoire Naturelle, Geneva, Switzerland

## COLLECTIONS

### Collections Visits and Loans (contd.):

National Museums of Kenya, Nairobi  
Naturhistoriska Riksmuseet, Stockholm, Sweden  
Zoological Museum, University of Copenhagen, Denmark  
Zoologisches Institut, Universität Wien, Vienna, Austria  
Zoologiska Institutionen, Lunds Universitet, Lund, Sweden

### Six private collections studied (1995–):

Alexis Harington [deceased], University of the Witwatersrand, Johannesburg, South Africa  
John and Astri Leroy, Spider Club of Southern Africa, Roodepoort, South Africa  
John Visser [deceased], Bellville, South Africa  
Julio Ferrer, Naturhistoriska Riksmuseet, Stockholm, Sweden  
Martin R. Filmer [deceased], Spider Club of Southern Africa, Johannesburg, South Africa  
W. David Sissom, West Texas A&M University, Canyon, TX

## PROFESSIONAL AFFILIATIONS

2001– Member, American Arachnological Society  
2000– Member, International Society of Arachnology  
Member, Society of Systematic Biologists  
Member, Willi Hennig Society (elected Fellow, 2003)  
1999– Member, South African Society of Systematic Biology  
1996– Member, Entomological Society of Southern Africa  
Member, Zoological Society of Southern Africa  
1995– Member, African Arachnological Society (former Research Group for the Study of African Arachnida)

## PROFESSIONAL ACTIVITIES

2016 Prof. Rahamimoff Travel Grants Panel, U.S.-Israel Binational Science Foundation  
2014– IUCN Species Survival Commission, Spider and Scorpion Specialist Group  
2012 External Evaluator of South African scientists, National Research Foundation, South Africa  
Referee, South African Council for Natural Scientific Professions  
2011 Panel Judge, Thomas Say Award, Entomological Society of America  
2008–2011 Council, Willi Hennig Society  
2008, 2009 Panel Judge, Thomas Say Award, Entomological Society of America  
2008 External Evaluator of South African scientists, National Research Foundation, South Africa  
2007–2013 Executive Committee, International Society of Arachnology  
2006 Zoological Society of London, workshop to evaluate invertebrate groups appropriate for IUCN Red List Index (sampled approach)  
2003 DEB Biodiversity Surveys and Inventories Panel, National Science Foundation  
2001–2006 IUCN Species Survival Commission, Southern African Invertebrates Specialist Group  
2001 Chair, 'Scorpiology' Symposium, 15<sup>th</sup> International Congress of Arachnology, Badplaas, South Africa

## ASSOCIATE EDITOR OR EDITORIAL BOARD MEMBER

2018– Editorial Board, *Iranian Journal of Animal Biosystematics*  
2012– Editorial Board, *European Journal of Taxonomy*  
2011–2014 Editorial Board, *Journal of Biological Research*  
2010– Associate Editor, *Arthropod Systematics and Phylogeny* [Chelicerata, Pantopoda]

## **ASSOCIATE EDITOR OR EDITORIAL BOARD MEMBER (contd.)**

2010–2014	Editorial Board, <i>ISRN International Journal of Zoology</i>
2008–	Associate Editor, <i>American Museum Novitates</i> ; <i>Bulletin of the American Museum of Natural History</i>
2007–2015	Editorial Board, <i>The Open Entomology Journal</i>
2005–	Associate Editor, <i>ZOOTAXA</i> [Amblypygi, Schizomida, Scorpiones, Solifugae, Thelyphonida]
2004–2019	Associate Editor, <i>Cladistics</i> [empirical systematics]
2004–2011	Editorial Board, <i>Journal of Afrotropical Zoology</i>

## **REVIEWER SERVICE**

### **Grant Proposals and Reports:**

Australian Biological Resources Study  
British Ecological Society  
Czech Science Foundation  
German Academic Exchange Service (DAAD)-National Research Foundation (NRF), South Africa Joint In-Country Masters and Doctoral Scholarships,  
Fondo para la Investigación Científica y Tecnológica (FONCyT), Argentina  
Fonds de la Recherche Scientifique/Fund for Scientific Research (FRS/FNRS), Belgium  
National Geographic Society: Expedition Grants  
National Research Foundation, South Africa  
National Science Foundation, U.S.A.:  
    Assembling the Tree of Life  
    Dimensions of Biodiversity  
    Biodiversity Surveys and Inventories  
    Career  
    Phylogenetic Systematics  
    Systematic Biology  
Netherlands Organization for Scientific Research: Innovational Research Incentives Scheme  
Rufford Small Grants Foundation  
U.S.-Israel Binational Science Foundation  
U.S. Fish and Wildlife Service

### **Peer-Reviewed Journals:**

<i>Acta Amazonica</i>	<i>Biologia</i>
<i>Acta Oecologia</i>	<i>Biota Colombiana</i>
<i>Acta Zoologica</i>	<i>Biota Neotropica</i>
<i>African Entomology</i>	<i>BMC Evolutionary Biology</i>
<i>African Invertebrates</i>	<i>Canadian Journal of Zoology</i>
<i>Amazoniana</i>	<i>Caribbean Journal of Science</i>
<i>American Museum Novitates</i>	<i>Cimbebasia</i>
<i>Animal Biology</i>	<i>Cladistics</i>
<i>Arachnologische Mitteilungen</i>	<i>Comptes Rendus Biologie</i>
<i>Arachnology</i>	<i>Conservation Biology</i>
<i>Arnoldia Zimbabwe</i>	<i>Current Opinion in Insect Science</i>
<i>Arthropod Structure and Development</i>	<i>Entomological News</i>
<i>BioInvasions Records</i>	<i>Environmental Entomology</i>
<i>Biodiversity and Conservation</i>	<i>European Journal of Taxonomy</i>



## REVIEWER SERVICE

### Peer-Reviewed Journals (contd.):

*Fauna of Arabia*  
*Frontiers in Zoology*  
*International Journal of Modern Biological Research*  
*International Journal of Tropical Insect Science*  
*Invertebrate Systematics*  
*Journal of Biogeography*  
*Journal of Ethology*  
*Journal of Genetics*  
*Journal of Insect Conservation*  
*Journal of Insect Science*  
*Journal of Medical Entomology*  
*Journal of Morphology*  
*Journal of Natural History*  
*Journal of Threatened Taxa*  
*Living World: Journal of the Trinidad and Tobago Field Naturalists Club*  
*Molecular Ecology*  
*Molecular Phylogenetics and Evolution*  
*Natural History Magazine*  
*North-Western Journal of Zoology*  
*Organisms, Diversity and Evolution*  
*Pakistan Journal of Zoology*  
*Palaeontology*  
*Palaeontologia Electronica*  
*Pan-Pacific Entomologist*  
*PeerJ*  
*PLoS One*  
*Proceedings, National Academy of Sciences, USA*  
*Revista Ibérica Aracnología*  
*Genetica*  
*Insect Systematics and Evolution*  
*Israel Journal of Zoology*  
*Journal of Arachnology*  
*Journal of Arid Environments*  
*Revista Mexicana de Biodiversidad*  
*Rivista Italiana di Paleontologia e Stratigrafia*  
*Revue Suisse de Zoologie Scientifica*  
*Scientific Reports, Nature*  
*Senckenbergiana biol.*  
*Studies on Neotropical Fauna and Environment*  
*Systematic Biology*  
*Systematic Entomology*  
*Terrestrial Arthropod Reviews*  
*Texas Memorial Mus., Speleological Monographs*  
*Texas Tech Univ., Occasional Papers of the Museum*  
*Transactions of the Royal Society of Edinburgh: Earth and Environmental Science*  
*Transactions of the Royal Society of South Africa*  
*Turkish Journal of Zoology*  
*ZooKeys*  
*Zoologica Scripta*  
*Zoological Journal of the Linnean Society*  
*Zoologischer Anzeiger*  
*Zoology*  
*Zoosystema*  
*ZOOTAXA*

### Books and Chapters:

*Biodiversity of Pantepui, the pristine 'Lost World' of the Neotropics* (ed. V. Rull, Elsevier/Academic Press, 2018)  
*Stung! Arizona's Bark Scorpions: Victims, Venom and the Orphaning of an Antivenin* [book proposal], University of Arizona Press (2015)  
*Springer Handbook of Toxinology* (ed. Gopalakrishnakone, 2015)  
*The Evolution of 'Primary' Sexual Characters in Animals* (Leonard & Cordoba-Aguilar, 2008)  
*The Biology of Opiliones* (Pinto-da-Rocha, Machado & Giribet, 2007)  
*Methods and Tools in Biosciences and Medicine: Techniques in Molecular Evolution and Systematics*  
*Proceedings of the 19<sup>th</sup> European Colloquium of Arachnology* (Scharff & Toft, 2001)  
*Catalog of the Scorpions of the World (1758–1998)* (Fet et al., 2000)

## REVIEWER SERVICE (contd.)

### Publications Aimed at Popular Audiences:

- Scorpion* by L.M. Pryke (Reaktion Books) (2016)  
*Ranger Rick* [kids' magazine] (2013)  
*Grzimek's Animal Life Encyclopedia* (2009)  
*Arachnids of the World* by J. Beccaloni (Natural History Museum) (2008)  
*Scorpions: On the Hunt* [kids' book] (Capstone Press, Mankato, MN) (2008)  
*Natural History* magazine (2001)

## TEACHING

### Postgraduate Teaching:

- 2014 AMNH, Richard Gilder Graduate School, Core Course in Systematics and Biogeography: contributed materials for lectures on Species and Speciation
- 2012 AMNH, Richard Gilder Graduate School, Elective Course in Arthropod Diversity and Evolution: invited lecture on 'Insect Relatives with Introduction to Chelicerata'
- 2013 Ben-Gurion University of the Negev, Sede Boqer, Israel: Israel Taxonomy Initiative: 'Systematics and Diversity of Scorpions, with Introduction to the Israeli Fauna': seven lectures ('The Fascinating World of Scorpions'; 'Collecting, Preserving and Documenting Scorpions for Systematics Research'; two lectures on 'Phylogeny and Classification of Scorpions'; 'Identification of Biological Taxa'; two lectures on 'Israeli Scorpion Fauna'); two afternoon practicals on how to identify scorpions and construct dichotomous identification keys, fieldwork on two nights (in rocky and sandy desert habitats); and final examination (<http://taxonomy.tau.ac.il/upload/Scorpion%20Diversity%20SYLLABUS.pdf>).
- 2008–2010 AMNH, Richard Gilder Graduate School, Core Course in Systematic and Biogeography: lectures covering Classification, Taxonomy, Nomenclature, PhyloCode, DNA Barcoding, Species Concepts, Reticulation, Phylogeography and Coalescence
- 2004–2007 Organizer, AMNH Systematics Seminar Series
- 2002 New Mexico State University, Las Cruces, NM: invited lecture on 'Arthropod Diversity and Evolution'

### Undergraduate Teaching Assistant:

- 1995, 1996 University of Cape Town, South Africa: classes in Botany and Zoology

## MENTORING

### Postdoctoral Fellows:

- 2020 Frederick Schramm (funded by DAAD)
- 2018–2020 Ricardo Botero-Trujillo (funded by AMNH Postdoctoral Fellowship)  
Stephanie F. Loria (funded by NSF DEB 1655050)
- 2013–2014 H. Muhammad Tahir (funded by HEC, Pakistan Postdoctoral Fellowship)
- 2009–2011 Carsten Kamenz (funded by AMNH Postdoctoral Fellowship)
- 2009 Patricia Carrera (funded by CONICET, Argentina)
- 2007–2009 Jose A. Ochoa Camara (funded by AMNH Postdoctoral Fellowship)
- 2004–2006 Camilo I. Mattoni (funded by AMNH Postdoctoral Fellowship)
- 2003–2006 Erich S. Volschenk (funded by AMNH Postdoctoral Fellowship)

### Major Advisor, Ph.D.:

- 2011–2015 Stephanie Loria, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH
- 2005–2012 Edmundo González Santillan, Ecology, Evolution and Behavior Program, City University of New York (funded by NSF DEB 0413453)
- 2005–2011 Lionel Monod, Ecology, Evolution and Behavior Program, City University of New York (funded by AMNH Graduate Student Fellowship)
- 2004–2011 Lauren Esposito, Ecology, Evolution and Behavior Program, City University of New York (funded by CUNY AGEP and MAGNET Fellowships)

## **MENTORING (contd.)**

### **Major Advisor, M.S.:**

2016– Jayson Slovak, City University of New York

### **Ph.D. Committees:**

2018– Nayeli Gutierrez, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH  
2015–2019 Jeremy Frank, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH  
2013–2016 Bernardo Santos, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH  
2011–2012 Ansel Payne, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH  
2010–2011 Ed Stanley, Comparative Biology Ph.D. Program, Richard Gilder Graduate School, AMNH  
2008–2014 Tharina Bird, Department of Entomology, Colorado State University  
2004–2008 Joyce Fassbender, Ecology, Evolution and Behavior Program, City University of New York

### **M.S. Committees:**

2015–2016 Jessica Azzinari, Department of Life, Earth and Environmental Sciences, West Texas A&M University  
Samuel Mwangi, Department of Life, Earth and Environmental Sciences, West Texas A&M University  
2007–2008 Sonia Maartens, Department of Entomology, University of Pretoria, South Africa

### **External Examiner, Ph.D. Dissertations:**

2019 Nusrat Majeed, University of the Punjab, Lahore, Pakistan  
2017 Imtiaz Alam, University of the Punjab, Lahore, Pakistan  
2015 Rabia Yaqoob, University of Sargodha, Pakistan  
2002 Erich S. Volschenk, Curtin University of Technology, Perth, Australia

### **Visiting Ph.D. Students:**

2019 Miguel Medrano, Museu Nacional, Rio de Janeiro, Brazil  
Jairo A. Moreno-González, Universidade de São Paulo, Brazil (FAPESP)  
Andria de Paula Santos, Instituto Butantan, Brazil (FAPESP)  
Catalina Romero, Universidad Nacional de Colombia  
2018/2019 Aaron Goodman, California Academy of Sciences and San Francisco State University  
2018 Shlomo Cain, University of Haifa, Oranim, Israel (BSF)  
Callum Mclean, Manchester Metropolitan University, UK  
Stephan Schaffrath, University of Cologne, Germany (Annette Kade Fellowship)  
2017 Jesus A. Cruz López, Universidad Nacional Autónoma de México (UNAM), Mexico  
2016 Diego Barrales Alcalá, UNAM, Mexico  
Ricardo Botero-Trujillo, Museo Argentino de Ciencias Naturales (MACN), Buenos Aires  
Rebecca Godwin, Auburn University, AL  
Dulce F. Piedra, UNAM, Mexico  
Francisco J. Salgueiro Sepulveda, Facultad de Ciencias, UNAM, Mexico  
2015, 2016, 2017 Gerardo Contreras-Felix, UNAM, Mexico  
2015 Ingrid Catalina-Ortíz, Universidad Nacional de Colombia  
Bastian Klusmann-Fricke, Rostock University, Germany (Annette Kade Fellowship)  
2014, 2015 Gustavo de Miranda, Copenhagen Museum, Denmark  
2014, 2016, 2017 Rodrigo Monjaraz-Ruedas, UNAM, Mexico  
2014 Daniela Ramírez, UNAM, Mexico  
2012 Rene Barba, Instituto de Ecología y Sistemática, Havana, Cuba  
Roberta Engel, University of Connecticut, Storrs  
David Vrech, Universidad Nacional de Córdoba, Argentina

## **MENTORING**

### **Visiting Ph.D. Students (contd.):**

2009, 2011, 2012, 2014

Carlos Santibañez-López, UNAM, Mexico

2009, 2010–2011, 2012

Tharina Bird, Colorado State University, Fort Collins

2009, 2010 Humberto Yamaguti, Universidade São Paulo, Brazil

2008, 2016 Fabio Akashi Hernandez, São Paulo State University, Brazil

2007 Alexander V. Gromov, Institute of Zoology, Almaty, Kazakhstan

2005–2006, 2008 Carsten Kamenz, Humboldt University (Annette Kade Fellowship)

2005, 2007 Andres Ojanguren Affilastro, MACN, Buenos Aires

2004, 2006 Valerio Vignoli, University of Siena, Italy (Theodore Roosevelt Fellowship)

2004 Christian Wirkner, Humboldt University, Berlin, Germany (Annette Kade Fellowship)

### **Visiting M.S. Students:**

2016 Samuel Mwangi, West Texas A&M University

2013–2014 Stephan Schaffrath, University of Cologne, Germany

2008 Alfonso Ballesteros Chavez, UNAM, Mexico

2003–2004 Christina Bisulca, University of Delaware

2002 Lionel Monod, University of Geneva, Switzerland

### **Undergraduate Interns:**

2019, 2020 Lam Ngo, Sewanee, University of the South

Valentin Ehrental, University of Hamburg, Germany

2018, 2019 Massimiliano Roppo, Sapienza University, Rome, Italy

2018 Sasha Mendez, Rutgers University, NJ

2017 Tebogo Ledwaba, Ditsong National Museum of Natural History, Pretoria, South Africa - Foundational Biodiversity Information Programme, South African National Research Foundation

2016–2018 Deborah Chin, Fairleigh Dickinson University, NJ

2016 Margaret Rubin, Oberlin College - Research Experiences for Undergraduates (REU) Program

2015–2016 Diogo Casellato, Federal University of Rio de Janeiro and Baruch College - Brazil Scientific Mobility Program, Institute for International Education

2010 Michelle Yun, York College, New York

2008 Angela Holuba, Barnard College, New York

Sylvia Johnson, Barnard College, New York

2007 Gena Esposito, University of Texas, El Paso

Sarah Schoenbrun, Brown University - Research Experiences for Undergraduates (REU) Program

2005 Steve Webb, Muhlenberg College - Research Experiences for Undergraduates (REU) Program

Samuel Mwangi, National Museums of Kenya, Nairobi

2004 Kanvaly Ben Bamba, Yale University - Research Experiences for Undergraduates (REU) Program

Michelle McCoy, University of North Carolina - Research Experiences for Undergraduates (REU) Program

2002 Lauren Esposito, University of Texas, El Paso - Research Experiences for Undergraduates (REU) Program

2003 Samara Maaliki, City University of New York - Undergraduate Mentoring in Evolutionary Biology (UMEB) Program

## **MENTORING (contd.)**

### **High-school Interns (New York area, unless otherwise indicated):**

2019	Hrtwik Paul
2018	Simon Au Nathan Auyeung Amrita Banerji Agnes Oduro Aleyna Singer
2017	Sofia Castro, Lang Science Program Tamar Cohen
2017	Geeta Sharma, Lang Science Program
2015, 2016	Chelsea Silva (Miami, FL)
2015	Billy Conlan
2013–2014	Eleanor Goetz, High School Science Research Mentoring Program (SRMP) in Biodiversity Sasha Reiter, High School Science Research Mentoring Program (SRMP) in Biodiversity
2013	Massimiliano Roppo (Rome, Italy)
2011	Adam Getzler
2008	Michelle Bayefsky-Anand
2006–2007	JianHua Lin, High School Science Research Mentoring Program (SRMP) in Biodiversity Qiao Rong Huang, High School Science Research Mentoring Program (SRMP) in Biodiversity
2004–2005	Connie Cai, High School Science Research Mentoring Program (SRMP) in Biodiversity Melanie Ng, High School Science Research Mentoring Program (SRMP) in Biodiversity
2003–2004	Bernard Laszczower, After-School Centers in Exploration and New Discovery (ASCEND) Program Boitumelo McCallum, After-School Centers in Exploration and New Discovery (ASCEND) Program
1999	Brian Webster, AMNH After-School Program
1998	Adrian Tung, AMNH After-School Program

## **MANAGEMENT AND SUPERVISION OF AMNH SUPPORT STAFF**

### **Scientific Assistants and Collections Managers:**

2017–	Pío Colmenares
2014–2020	Lou Sorkin
2014–2016	Michelle Locke
2013–2014	Pamela Horsley
2011–2012	Ofelia Delgado
2007–2010	Jeremy Huff
2002–2007	Randy Mercurio

### **Laboratory Technicians (2002–):**

Kanvaly Bamba	Yili Lim
Ligia Benavides	Kenneth MacDonald
Rebecca Budinoff	Monica Mosier
Diogo Casellato	Diana Pietri
Deborah Chin	Dana Price
Torsten Dikow	Patricia Rubi
Eleanor Goetz	Tarang Sharma
Allison Kerwin	

## **ADMINISTRATION (COMMITTEE SERVICE)**

### **American Museum of Natural History:**

2019	Entomology Curatorial Search Committee
2018	Senate of the Scientific Staff, Appointments and Promotions Committee
2015–	Richard Gilder Graduate School, Academic Affairs and Fellowships Committee Richard Gilder Graduate School, Comparative Biology Program Policy Committee
2015	Senate of the Scientific Staff, Appointments and Promotions Committee
2013	Associate Chair, Ornithology Curatorial Search Committee, [second search] Senate of the Scientific Staff, Appointments and Promotions Committee
2012	Associate Chair, Ornithology Curatorial Search Committee [first search]
2011–2013	Constantine Niarchos Expedition Grants Proposal Evaluation Committee
2010–2012	Senate of the Scientific Staff, Executive Committee
2010	Invertebrate Zoology Curatorial Associate Search Committee
2009–	Richard Gilder Graduate School, Theodore Roosevelt Memorial Fellowship Committee
2009–2013	Richard Gilder Graduate School, Academic Affairs and Fellowships Committee
2009–2010	Strategic Planning for Science Committee
2008–	Richard Gilder Graduate School, Lerner Gray Fellowship Committee Senate of the Scientific Staff, Publications Committee
2008–2010	Senate of the Scientific Staff, Appointments and Promotions Committee
2008	Marine Systematist Curatorial Search Committee Senate of the Scientific Staff, Nominating Committee
2007–2008	Senate of the Scientific Staff, Executive Committee
2006	Grants and Fellowships Committee
2004–2009	Senate of the Scientific Staff, Library Committee
2004	Microbial Systematist Curatorial Search Committee [second search]
2003	Grants and Fellowships Committee Microbial Systematist Curatorial Search Committee [first search]

### **City University of New York:**

2008	Ecology and Evolutionary Biology Advisory Committee
2005–2008	Ecology and Evolutionary Biology Executive Committee Ecology and Evolutionary Biology Admissions Committee

## **AMNH DEVELOPMENT ACTIVITIES (SELECTED)**

2018	Behind-The-Scenes VIP tour Presentation on Constantine Niarchos Expeditions (Laos and Vietnam; Pakistan), followed by tour of Arachnida and Myriapoda Collections, for Maria Niarchos and family
2017	Museum Advisory Council Meeting (spider presentation and collections tours) Patrons Circle Science-at-Work event (tour of arachnid collections)
2002–2012	Behind the Scenes Tours, Arachnida and Myriapoda Collections, Division of Invertebrate Zoology Meeting with Maria Niarchos to inform about upcoming expedition to Laos and Vietnam Patrons Circle Luncheons Presentation on Constantine Niarchos Expedition to Namibia for Maria Niarchos and family Science-at-Work Luncheons

## **PUBLIC EDUCATION, EXHIBITIONS AND OUTREACH**

### **AMNH Volunteers Program (2002–):**

Supervised training and operations with sorting, rebottling, labelling and databasing specimens and tissue samples, reorganising specimen collection, packing loans, sorting, filing and databasing reprint collection, isolating, amplifying, sequencing and editing DNA, recording measurements and setal counts, photography, and maintaining live arachnids:

Jasmin Alim	Abigail Carlton
Debbie Alwill	Gerbi Carreon
Ofelia Delgado	Suzanna Dodd
Howard Fiedler	James Klausen
Carine Galvão	Ann Hagar
Tiffany Gentry	Christian Liriano
Eleanor Goetz	Victoria Long
Jeremy Huff	Simone Longe
Ilse Kaim	Allyson Mellone
Israel Na'aman	Tom Sullivan
Sulata Maity	Susan Tosier
Danielle Parsons	Peg Werns
Fabienne Paumet	Isadora Williams
Tom Gartner	Asel Zhetigenova
Sandra Schnakenberg	

### **AMNH Educational Outreach Activities Participated or Supervised (Selected):**

2019	Biodiversity School Group, AMNH Museum Learning Experience, Arthropods
2018	AMNH Gottesman Center 'Tick Biology and Ecology of Lyme Disease' (presentation) AMNH Youth Programs, 7 <sup>th</sup> grade, on invertebrates and field techniques, with B. Levine 'Animal Encounter' with L. Morrell, Member Relations (presentation with specimens, live arthropods) 'Don't Mind If I Don't Live' on spiders and fear, with A. Gold and C. Hayashi Facebook Live on arachnids and myriapods, AMNH social media Invertebrate Collections tour: J. Clark, Audubon B&G, New Orleans Invertebrate Collections tour: S. Esteves and Department of Education and Public Programs
2017	AMNH ID DAY (specimens, live arthropods) City As School, Urban Ecology (presentation with live arachnids) K-2 Science & Nature class, science and careers day (presentation) Lang Program student presentations Members' Open House (specimens, live arthropods with digital microscope) Milstein Science Series 'Amazing Amazon' (specimens, live arthropods with digital microscope) South African Agency for Science and Technology Advancement, national debate team winners' Museum visit (collections tour, live arachnids)
2016–2018	After School Program, Tree of Life (presentation, specimens, live arthropods) Youth Initiatives, Evolution Institute, middle and high school programs (presentations, tour of collections)
2016, 2017	Science & Nature Program (presentation, Behind-The-Scenes tour of collections)
2016	Holiday Party (live arachnids, myriapods, with digital microscope)
2002–2018	Family Party (live arachnids, myriapods, with digital microscope).

## **PUBLIC EDUCATION, EXHIBITIONS AND OUTREACH (contd.)**

### **Public Lectures, South Africa:**

- 1990–1994 African Wildlife Club, Johannesburg  
Londolozi Private Game Reserve  
Johannesburg Zoological Gardens  
South African Nature Conservation Centre, Johannesburg  
Wits Biological Society (BioSoc), University of the Witwatersrand
- 1990–1994 Witkoppen Wildflower Nursery

### **Public Demonstrations (spiders and scorpions), South Africa:**

- 1990–1991 Bosmont Recreation Centre Environment Day  
Bryanston Shopping Centre Nature Day  
Earthlink Expo  
Roodepoort Botanical Gardens (in association with Spider Club of Southern Africa)

### **Public Field Course (ecology, collection, preservation of arthropods), South Africa:**

- 1992–1994 Melville Koppies Nature Reserve, Johannesburg (in association with Wits Zoology Museum)

### **Rangers Courses (identification of savanna arthropods), South Africa:**

- 1990–1994 Londolozi Private Game Reserve  
Sabi Sabi Private Game Reserve

### **Kids TV Programs (episodes on arachnids), South Africa:**

- 1990–1992 Bush School (Londolozi Productions, South Africa): hosted episode 'Spiders and Scorpions'  
Ekoboffins (Kinnor Productions, South Africa)  
Super Kidantics Series (K4TV News, South Africa)  
Zapmag (Kinnor Productions, South Africa)

### **Websites:**

- 2007–2011 The Arachnid Order Solifugae (<http://www.solpugid.com>): research and training for an NSF BS&I grant
- 2006– Arachnology @ AMNH (<http://scorpion.amnh.org>): research, collections and training in arachnology at the AMNH (updated annually)
- 2004–2008 Revisionary Systematics of the North American Scorpion Family Vaejovidae (<http://www.vaejovidae.com>): showcased research and training for an NSF REVSYS grant

### **Blogs:**

Prepared to document activities for the South African National Research Foundation grant 'BioGaps: Filling Biodiversity Information Gaps to Support Development Decision Making in the Karoo':

- 2017 'BioGaps Digitiser Jets Off to New York' (<http://karobiogapsproject.blogspot.co.za/2017/11/biogaps-digitiser-jets-off-to-new-york.html>)
- 2017 'BioGaps Scorpions Fieldtrip' (<http://karobiogapsproject.blogspot.co.za/2017/06/biogaps-scorpions-fieldtrip.html>)

### **AMNH Exhibitions and Related Media:**

- 2018, 2019 Gilder Collections Core: Participated in four meetings with Exhibitions Department and outside contractors concerning arachnid exhibit
- 2015 *Spiders Alive!*: Supervising Curator of exhibit; trained volunteers, hosted Media Preview and held Behind-the-Scenes tours of exhibit which lead to several press releases; participated in interview with NPR about bats and spiders for Halloween (in conjunction with Nancy Simmons) which was conducted in the exhibit; selected media: AMNH: *Spiders Alive!* (<http://www.amnh.org/exhibitions/spiders-alive/about-the-exhibition>); Thrillist: 'Do Spiders Still Scare the Cr\*p Out of Me: An Investigation' (<https://www.thrillist.com/entertainment/new-york/attending-the-spiders-alive-exhibit-at-the-american-natural-history-museum-nyc>); ReviewFix: 'Spiders Alive Review: Fun for the Whole Family' (<http://reviewfix.com/2015/07/spiders-alive-review-fun-for-the-whole-family>); 'Spiders Alive! At the American Museum of Natural History: Creepy, crawly and very, very cool' (<http://www.silive.com/entertainment/recreation/index.ssf/2015/07/spiders-alive-at-the-american.html>)



## PUBLIC EDUCATION, EXHIBITIONS AND OUTREACH

### AMNH Exhibitions and Related Media (contd.):

- 2012 *Poison*: Edited copy and verified content; *Spiders Alive!*: Edited copy and contributed images; participated in media preview of exhibit, and interviews with reporter for LiveScience.com and Science Writing Intern in AMNH Communications Department; selected media: AMNH Website: 'The Arachnid Collection Behind Spiders Alive!' (<http://www.amnh.org/explore/news-blogs/research/the-arachnid-collection-behind-spiders-alive>); Live Science: 'Beware, Arachnophobes: Half of Spiders Are Undiscovered' (<http://www.livescience.com/21818-spiders-scorpions-exhibit.html>)
- 2011 *Creatures of Light*: Planning meetings, provided images, answered questions and reviewed copy
- Picturing Science: Museum Scientists and Imaging Technologies*: Contributed images and reviewed copy on UV fluorescence, scanning electron microscopy and microCT; selected media featuring scorpion exhibit:
- Scientific American*: 'Art and Science Meet in Images of Museum Specimens and Artifacts' (<http://www.scientificamerican.com/blog/post.cfm?id=art-and-science-meet-in-images-of-m-2011-06-18>)
- Live Science: 'Amazing Images Reveal the Art of Science' (<http://www.livescience.com/14759-amazing-images-science-art-imaging-technologies.html>)
- 'Science as Art: A Gallery' (<http://www.livescience.com/14758-science-art-gallery-imaging.html>)
- Wired Science*: 'Hidden Blades, Glowing Scorpions and Bug Genitalia: Great Science Images from the American Museum of Natural History' (<http://www.wired.com/wiredscience/2011/06/picturing-science-exhibit/>)
- AMNH: 'Picturing Science: Museum Scientists and Imaging Technologies Photo Slideshow' (<http://www.flickr.com/photos/amnh/sets/72157626899911609/show/>) [2011–2012]
- Rotunda* (AMNH Member's Newsletter): 'Now on View: Picturing Science', 36(3): 3
- Time Out New York*: 'Picturing Science: Museum Scientists and Imaging Technologies' (<http://newyork.timeout.com/arts-culture/museums/1594001/picturing-science-museum-scientists-and-imaging-technologies>)
- Folha.com: 'Microscopia produz obras de arte com estética científica' (<http://www1.folha.uol.com.br/ciencia/943051-microscopia-produz-obras-de-arte-com-estetica-cientifica.shtml>)
- The New York Times*: 'Specialized Windows on the Natural World':  
[http://www.nytimes.com/2011/07/12/science/12museum.html?\\_r=1](http://www.nytimes.com/2011/07/12/science/12museum.html?_r=1)  
<http://m.post-gazette.com/news/science/specialized-windows-on-the-natural-world-1159868>  
<http://www.nytimes.com/slideshow/2011/07/11/science/12Museum-12.html>  
<http://www.timesofoman.com/featuredetail.asp?fid=1068>
- The New York Photo Review.com: 'Making Strange: Picturing Science: Museum Scientists and Imaging Technologies' ([http://www.nyphotoreview.com/NYPR\\_REVS/NYPR\\_REV1764.html](http://www.nyphotoreview.com/NYPR_REVS/NYPR_REV1764.html))
- 2004 *Bugs!* (IMAX film): Hosted Press Conference and Media Preview

### National Center for Science Literacy, Education and Technology:

- 2008 Scholastic *SuperScience* 'Scorpions: Friend or Foe?' (Grades 3–6) by E. Carney, January 2008, pp. 10, 11 (<http://www2.scholastic.com/browse/article.jsp?id=3751918>)
- Scholastic *Science World* 'Scorpions: Friend or Foe?' (Grades 6–10) by E. Carney, January 2008, pp. 10, 11 (<http://www2.scholastic.com/browse/article.jsp?id=3751917>)
- 'Scorpions: friend or foe? Do scorpions deserve their bad reputation? One scientist finds out.' by E. Carney, January 2008 ([http://findarticles.com/p/articles/mi\\_hb5019/is\\_4\\_19/ai\\_n29399348](http://findarticles.com/p/articles/mi_hb5019/is_4_19/ai_n29399348))
- 2006–2012 Young Naturalist Awards Competition: Reviewed essays

### Interviews:

- 2016 Facebook Live – Inverse (<https://www.facebook.com/naturalhistory/posts/10153458341886991>)
- 2012 *Arachne* (Deutsche Arachnologische Gesellschaft) 6: 34–35: 'Interview mit Dr. Lorenzo Prendini, Kurator für Arachniden und Myriapoden im American Museum of Natural History' by C. Turiel.
- AMNH.tv ([http://www.amnh.org/explore/amnh.tv/\(watch\)/meet-the-scientists/profile-lorenzo-prendini](http://www.amnh.org/explore/amnh.tv/(watch)/meet-the-scientists/profile-lorenzo-prendini)) and YouTube (<https://www.youtube.com/watch?v=PqsN6dSd3T0>)
- 2011 CBS News (<http://www.cbsnews.com/video/watch/?id=7383853n>): 'In Search of Scorpions.' Also: AMNH Website (<http://www.amnh.org/explore/news-blogs/news/scorpion-expert-featured-in-cbs-video2>) 'Scorpion Expert Featured in CBS Video.'
- Practical Reptile Keeping*, August 2011: 55–59: Feature – Scorpions. 'Sting in the Tail: Professor Lorenzo Prendini discusses the world's scorpions' by V. Neblik.

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