

Curriculum Vitae - Carsten Kamenz

academic
Division of Invertebrate Zoology
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Degrees

- June 2009 Dr. rer. nat. (Ph. D. in natural sciences) at Humboldt-Universität zu Berlin (Germany)
- Sept. 2003 Diploma (equivalent to M. Sc.) in Biology at Humboldt-Universität zu Berlin (Germany)

Positions and research visits

- since July 2009 Gerstner scholar and Kalbfleisch fellow at the American Museum of Natural History
- Apr. 2006– Mart 2009 PhD student, Humboldt-Universität zu Berlin (Germany) in the DFG (German research foundation) project Scho 442/10-1
- Sept. –Oct. 2008 Synthesys Grant, Natural History Museum (London, UK)
- Nov. 2005–Feb. 2006 Annette Kade Fellowship, American Museum of Natural History (New York, USA)
- Sept. –Oct. 2005 Synthesys Grant, Museum National d’Histoire Naturelle (Paris, France)
- Sept. 2003 Diploma in Biology (equivalent to M.Sc.), Humboldt-Universität zu Berlin, Germany

Grants

- 2009 Gerstner scholarship and Kalbfleisch fellowship (AMNH)
- 2008 Synthesys Grant GB-TAF-4767 (London, UK)
- 2007 BESSY beamtime (Synchrotron radiation facility: micro-ct)
- 2005–2006 Annette Kade Fellowship, American Museum of Natural History (New York, USA)
- 2005 Synthesys Grant FR-TAF-1284 (Paris, France)

Contributions to international meetings

- 2009 Birmingham (UK): The true nature of the eurypterid ‘horn organ’ (Palass)
- 2008 Glasgow (UK): The first micro-tomographical study of a eurypterid (Palass)
- 2008 Bern (Switzerland): Gross morphological investigations of scorpion lungs (ESA)
- 2007 Uppsala (Sweden): Microanatomy of Early Devonian book lungs (Palass)
- 2007 Sao Pedro (Brazil): Phylogenetic implications of scorpion book lungs (ISA)
- 2006 Sitges (Spain): Book lungs of scorpions and their implications for the last common ancestor of arachnids (Arachnida, Chelicerata) (ESA)

Methodological skills

since 2007	Micro-computed tomography
since 2006	Palaeontological techniques
since 2005	Computer-aided 3D reconstruction
since 2003	Histological sectioning and SEM
since 1997	Macro- and micro-photography

Membership in scientific organizations

since 2007	International Society of Arachnology
since 2008	European Society of Arachnology

Honors

2008	Winner of the photo award (ESA Bern, Switzerland)
2005	Winner of the poster award (Students day of life sciences HU Berlin)

Language skills:

- German (native speaker)
- English (fluent, written and spoken)
- Russian (school level)

Scientific publications

Kamenz, C. and Weidemann, G. 2009 Heavy metal – contrasting agents for micro-tomographical investigations of arachnid book lungs. *Micron* **40**: 911-917

Dunlop, J., **Kamenz, C.** and Talarico, G. 2009 A fossil trigonotarbid arachnid with a ricinuleid-like pedipalpal claw. *Zoomorphology* **128**: 305-313

Kamenz, C. and Prendini, L. 2009 An atlas of book lung fine structure in the order Scorpiones (Arachnida). *Bulletin of the American Museum of Natural History* **316**, 1-45, 156 pls.

Poschmann, M., Dunlop, J., **Kamenz, C.**, Scholtz, G. 2008 The Lower Devonian scorpion *Waeringoscorpio* and the respiratory nature of its filamentous structures, with the description of a new species from the Westerwald area (Germany). *Palaeontologische Zeitschrift* **82**(4): 420–438

Kamenz, C., Dunlop, J.A., Scholtz, G., Kerp, H. and Hass, H. 2008 Microanatomy of early Devonian book lungs. *Biology Letters* **4**: 212–215; doi:10.1098/rsbl.2007.0597

Dunlop, J., **Kamenz, C.** and Scholtz, G. 2007 Reinterpreting the morphology of the Jurassic scorpion *Liassoscorpionides*. *Arthropod Structure and Development* **36**: 245–252.

Scholtz, G. and **Kamenz, C.** 2006 The book lungs of Scorpiones and Tetrapulmonata (Chelicerata, Arachnida): Evidence for homology and a single terrestrialisation event of a common arachnid ancestor. *Zoology* **109**(1): 2–13.

Kamenz, C., Dunlop, J. A. and Scholtz, G. 2005 Characters in the book lungs of Scorpiones (Chelicerata, Arachnida) revealed by scanning electron microscopy. *Zoomorphology* **124**(2): 101–109.