

# Corinna S. Bazelet (Corey)

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Corinna Sarah Bazelet, PhD

Postdoctoral fellow

Tel Aviv University

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Languages: English (mother tongue), Hebrew (excellent), Afrikaans (good)

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## Education and positions held

- 2011 **Tel Aviv University – Dept. of Zoology**  
Postdoctoral fellow, Advisor: Prof. Amir Ayali
- 2007-2011 **Stellenbosch University – Dept. of Conservation Ecology and Entomology**  
“Grasshopper Bioindicators of Effective Large-Scale Ecological Networks”  
Ph.D., Advisor: Prof. Michael J. Samways
- 2006 **Stellenbosch University – Dept. of Conservation Ecology and Entomology**  
B.Sc. Honours Entomology *cum laude*, Advisor: Prof. Michael J. Samways
- 2005 **Smithsonian Institute – Conservation and Research Center**  
Giant Panda Reproduction Internship  
Endocrine internship, Front Royal, VA, USA (6 months)  
Behavioral internship, Chengdu, China (4 months)
- 2001-2004 **Hebrew University of Jerusalem**  
B.Sc. Biology / Environmental Science *cum laude*

## Appointments and identification services rendered

- 2010-2011 Identification services of Robben Island insect survey – Orthoptera (Dr. Francois Roets)
- 2011 Identification services of PhD ecological study (Casper Crous)
- 2010-present Coordinator for Red-List Assessment of South African Grasshoppers – IUCN Grasshopper Specialist Group (GSG)
- 2009-present Orthopterists’ Society Regional Representative – Southern and Eastern Africa
- 2010 South African Desert Locust Survey Coordinator – CIRAD Acridologie
- 2009-2010 Identification services of Orthoptera specimens of ecological networks (Dr. James Pryke)
- 2009-2010 Teaching assistant – Stellenbosch University – Orthoptera systematics and biology
- 2008 Identification services of Orthoptera specimens from Botswana survey (Dr. Sven Vrdoljak)
- 2007 Curation of Stellenbosch University Entomological Museum’s Orthoptera Collection

## Peer-reviewed publications

1. Naskrecki, P., Bazelet, C.S. and Spearman, L.A. 2008. New species of flightless katydids from South Africa (Orthoptera: Tettigoniidae: Meconematinae). *Zootaxa* 1933: 19-32.
2. Naskrecki, P. and Bazelet, C.S. 2009. A species radiation among South African flightless spring katydids (Tettigoniidae: Phaneropterinae: *Brinckiella* Chopard). *Zootaxa* 2056: 46-62.
3. Samways, M.J., Bazelet, C.S. and Pryke, J.S. 2010. Provision of ecosystem services by large-scale corridors and ecological networks. *Biodiversity and Conservation* 19: 2949-2962. DOI 10.1007/s10531-009-9715-2.
4. Bazelet, C.S. and Samways, M.J. 2011. Relative importance of management vs. design for implementation of large-scale ecological networks. *Landscape Ecology* 26: 341-353. DOI 10.1007/s10980-010-9557-z.
5. Bazelet, C.S. and Samways, M.J. 2011. Assessing habitat quality of ecological networks using grasshopper bioindicators. *Ecological Indicators* 11: 1259-1269. DOI 10.1016/j.ecolind.2011.01.005.
6. Bazelet, C.S. and Samways, M.J. 2011. Grasshopper and butterfly local congruency in grasslands remnants. *Journal of Insect Conservation*. DOI 10.1007/s10841-011-9394-7.
7. Naskrecki, P. and Bazelet, C.S. 2011. A revision of the South African katydid genus *Austrodontura* Fontana & Buzzetti (Orthoptera: Tettigoniidae: Phaneropterinae). *Zootaxa* 2873: 51-59.

8. Bazelet, C.S. and Samways, M.J. Evaluating robustness of grasshopper response to conservation ecological networks in a timber plantation matrix. (in review for Agriculture, Ecosystems and Environment).
9. Bazelet, C.S. and Samways, M.J. Anthrovariance of a highly mobile species, the bird locust, in grassland fragments embedded in an agroforestry matrix (in review for Biological Conservation).

#### **Courses, meetings and training sessions**

- 2009 Multivariate statistical modeling of ecological data – Stellenbosch University
- 2009 R statistical package beginner’s course – Stellenbosch University
- 2009 Biometry 711 – Biological statistics course – Stellenbosch University
- 2009 Introduction to photography – Stellenbosch Academy of Design and Photography
- 2008 Taxonomic drawing training with Dr. D. Otte and Dr. P. Naskrecki – Philadelphia, PA
- 2007 Taxonomic photography and genitalia dissection with Dr. D. Otte – Philadelphia, PA
- 2006 RUBICODE General Assembly meeting – Coimbra, Portugal
- 2004 Advanced Conservation GIS Course – Smithsonian Conservation and Research Center

#### **Collaborations**

- 2011 Dr. John Terblanche, Stellenbosch University, Dept. of Conservation Ecology and Entomology  
Physiology and climate change modeling of desert locust
- 2010-2011 Dr. Marie-Pierre Chapuis of CIRAD Acridologie, Montpellier, France  
Population genetics of South African desert locust
- 2010-2011 Dr. David Weissman, California Academy of Sciences  
Ecology and genetics of South African Jerusalem Crickets
- 2006-2011 Dr. Piotr Naskrecki, Harvard University Museum of Comparative Zoology  
Systematics and taxonomy of southern African katydids

#### **Students co-supervised**

- 2011 Paige Potter, B.Sc. Honours, Stellenbosch University, co-supervised with Dr. J. Terblanche

#### **Presentations at international conferences**

- 2009 Congress of the Entomological Society of Southern Africa – Stellenbosch, SA
- 2009 10th International Congress of Orthopterology – Antalya, Turkey
- 2008 International Congress of Entomology – Durban, South Africa

#### **Funding**

- 2011 Postdoctoral Fellowship – Israel National Zoological Collection, Tel Aviv University
- 2010 Postgraduate Merit Bursary – Stellenbosch University
- 2009 Ernst Mayr Travel Grant – Museum of Comparative Zoology, Harvard University
- 2009 Orthopterists’ Society Small Grants Fund
- 2008-2009 Mauerberger Foundation Fund Fellowship
- 2007-2008 RUBICODE – Rationalizing Biodiversity Conservation in Dynamic Ecosystems
- 2007-2009 Contribution from NSF Grant No. 0542775 to Dan Otte and Piotr Naskrecki

#### **Awards**

- 2009 Best student oral presentation – 10<sup>th</sup> International Congress of Orthopterology
- 2006 B.Sc. Honours student of the year – Entomological Society of Southern Africa
- 2006-2009 Golden Key Honour Society – Stellenbosch University Chapter

#### **Volunteer activities and community involvement**

- 2009 After-school English instruction for grades 5-9 – Kayamandi Township, SA
- 2009 Entomology outreach to Kayamandi High School – Kayamandi Township, SA
- 2004 Fundraising for Jerusalem Rape Crisis Center – Jerusalem, Israel

#### **Memberships in scientific societies**

- Entomological Society of Southern Africa
- Orthopterists’ Society