CURRICULUM VITAE
Justyna Wolinska

ADDRESS

Assistant Professor

Ludwig-Maximilians-Universität, München

Department Biologie II, Evolutionsökologie

Grosshaderner Str. 2

82152 Planegg-Martinsried, Germany

email: wolinska@bio.lmu.edu;

phone: +49(0)89-2180-74201

EDUCATION

PhD (2006): **Eawag/ETH** (Department of Aquatic Ecology), Zurich, Switzerland

MSc (2002): **Jagiellonian University** (Department of Hydrobiology), Krakow, Poland

BSc (1999): **Jagiellonian University** (Environmental Chemistry), Krakow, Poland

PROFESSIONAL EXPERIENCE

Assistant professor: Ludwig-Maximilians-Universität, Munich, Germany; 2008 – present

Postdoctoral fellow: Indiana University, Bloomington, USA; 2006 – 2008

Advisor: Curt Lively; *Why sex and recombination?*

PhD fellow: Eawag/ETH, Zurich, Switzerland; 2002 – 2006

Advisor: Piet Spaak, Co-advisor: Dieter Ebert;

Parasites and predators structure hybridizing Daphnia communities.

Research fellow: Jagiellonian University, Krakow, Poland; 2001 – 2002

Research fellow: The Natural History Museum, London, UK; 2001 (one month)

MSc project: Jagiellonian University, Krakow, Poland, 1999 – 2001

Advisor: Krzysztof Wiackowski and Jan Kozlowski

Predator-induced defense responses in ciliated protozoa.

BSc project: Jagiellonian University, Krakow, Poland, 1996 – 1999

PUBLICATIONS (peer-reviewed)

2008 **Wolinska, J**., King, K. C., Vigneux F., and C. M. Lively. Virulence, cultivating conditions, and phylogenetic analyses of oomycete parasites in *Daphnia*. Parasitology 135: 1667-1678.

Wolinska, J. and C. M. Lively. The cost of males in *Daphnia pulex*. Oikos 117: 1637-1646.

Keller, B., J. **Wolinska**, M. Manca, and P. Spaak. Spatial, environmental, and anthropogenic effect on the taxon composition of hybridizing *Daphnia.* Philosophical Transactions of the Royal Society B: Biological Sciences, Theme issue Hybridization 363: 2943-2965.

Wolinska, J., C. M. Lively, and P. Spaak. Parasites in hybridizing communities: the Red Queen again? Trends in Parasitology 24:121-126.

2007 **Wolinska**, J., B. Keller, M. Manca, and P. Spaak. Parasite survey of a *Daphnia* hybrid complex: host-specificity and environment determine infection. Journal of Animal Ecology 76:191-200.

Wolinska, J., A. Löffler, and P. Spaak. Taxon specific reaction norms to predator cues in a hybrid *Daphnia* complex. Freshwater Biology 52:1198-1209.

Keller, B., J. **Wolinska**, C. Tellenbach, and P. Spaak. Reproductive isolation keeps hybridizing *Daphnia* species distinct. Limnology and Oceanography 52:984-991.

Tellenbach, C., J. **Wolinska**, and P. Spaak. Epidemiology of a *Daphnia* brood parasite and its implications on host life-history traits. Oecologia 154:369-375.

2006 **Wolinska**, J., K. Bittner, D. Ebert, and P. Spaak. The coexistence of hybrid and parental *Daphnia*: the role of parasites. Proceedings of the Royal Society of London Series B-Biological Sciences 273:1977-1983.

2005 Fyda, J., A. Warren, and J. **Wolinska**. An investigation of predator-induced defence responses in ciliated protozoa. Journal of Natural History 39:1431-1442.

Lass, S., M. Vos, J. **Wolinska**, and P. Spaak. Hatching with the enemy: *Daphnia* diapausing eggs hatch in the presence of fish kairomones. Chemoecology 15:7-12.

2004 **Wolinska**, J., B. Keller, K. Bittner, S. Lass, and P. Spaak. Do parasites lower *Daphnia* hybrid fitness? Limnology and Oceanography 49:1401-1407.

Löffler, A., J. **Wolinska**, B. Keller, K. O. Rothhaupt, and P. Spaak. Life history patterns of parental and hybrid *Daphnia* differ between lakes. Freshwater Biology 48:1372-1380.

CONFERENCES (as a presenting author)

2008 Talk: The disadvantage of being common: evidence from natural *Daphnia* populations. Evolution across Scales, Potsdam, Germany

2006 Talk: New hypothesis explaining a role of parasites in hybridizing systems. Symposium on hybridization in animals: extent, processes and evolutionary impact, Frankfurt, Germany

2005 Poster: Hybrid and parental *Daphnia*: do parasites infect them equally? 7th International Symposium on Cladocera, Herzberg, Switzerland

Poster: The coexistence of hybrid and parental *Daphnia*: the role of parasites. 10th Congress of the European Society for Evolutionary Biology, ESEB, Krakow, Poland

2004 Poster: Parasite infection pattern in hybrid and parental *Daphnia*. Annual Meeting of the Swiss Zoological, Botanical and Mycological Societies, Biology04, Fribourg, Switzerland

Talk: Parasites-host preference in hybrid *Daphnia* populations. 29th Congress of International Association of Theoretical and Applied Limnology, SIL, Lahti, Finland

2003 Poster: Parasites lower *Daphnia* hybrids fitness. P. 9th Congress of the European Society for Evolutionary Biology, ESEB, Leeds, UK

Talk: Hybrid and parental species within the *Daphnia galeata* × *hyalina* species complex. 9th Meeting of PhD Students in Evolutionary Biology, Fiesch, Switzerland

Talk: Parasitism as a factor which lowers *Daphnia* hybrid fitness. Annual Meeting of the Swiss Zoological, Botanical and Mycological Societies, Biology03, Zuerich, Switzerland

Talk: Selective parasitism infection load of a *Daphnia* hybrid species complex. 3rd Ecological Genetics, Leuven, Belgium

INVITED SEMINARS

2007 Eyes wide shut: parasites maintaining diversity in *Daphnia* communities. Department of Evolutionary Ecology, LMU University, Munich, Germany

2006 A new hypothesis explaining a role of parasites in hybridizing communities. Department of Biology, Indiana University, Bloomington, USA

2005 The coexistence of hybrid and parental *Daphnia*. Department of Evolutionary Biology, University of Basel, Switzerland

Is there any evidence for a host-parasite evolution in natural system? Department of Evolutionary Biology, University of Basel, Switzerland

Parasites infect specific taxa from a *Daphnia* hybrid complex. Department of Evolutionary Biology, University of Fribourg, Switzerland

2004 *Daphnia* hybrid complex: a role of parasites. Limnological Institute, Pallanza, Italy

PROFESSIONAL SERVICE

Referee for: Aquat. Sci., Arch. Hydrobiol., Ecol. Res., Ecology, Hydrobiologia, Int. J. Parasitol., Oecologia, Oikos, NSF.

Organization committee: 7th International Symposium on Cladocera, Herzberg, Switzerland, 2005.

STUDENT COMMITTEES

Christoph Tellenbach, Diploma, Eawag/ETH, Zurich, Switzerland, 2005 – 2006

Corine Schoebel, PhD, Eawag/ETH, Zurich, Switzerland, 2008 – 2011

Jennifer Lohr, Master, LMU, Munich, Germany, 2008 – 2009

Mingbo Yin, PhD, LMU, Munich, Germany, 2009 – 2011

TEACHING

Ludwig-Maximilians-Universität, Munich, Germany:

Disease Ecology and Evolution – seminar for diploma and master students (2008, 2009)

Experimental Evolutionary Ecology – lecture/practicum for master students (2008, 2009)

Presentation Course – practicum for master students (2008, 2009)

Writing Grant Proposal – practicum for master students (2008, 2009)

Global Change – seminar/discussion for master students (2008, 2009)

Eawag, Zurich, Switzerland:

Statistics For Biologists – practicum for diploma students (2003, 2004)

Genetic Techniques in Aquatic Ecology – placticum for diploma students (2003 – 2005)

Jagiellonian University, Poland:

Genetics and Evolution – theoretical exercises for master students (2002)