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**1. Doctoral degree:** Ph.D Ecology - Microbial Ecology. Defended Ph.D thesis May 29<sup>th</sup>, 2009.  
Thesis title: *On the Ecology of Saprotrophic Fungi and Bacteria in Soil: Biotic and Abiotic Control of Growth Rates*. Supervisor: Prof Erland Bååth, Lund University, Sweden. External examiner: Prof. Joshua P. Schimel, University of California – Santa Barbara.

**2. Current post:** Swedish Research Council (VR) Postdoctoral Fellow at Bangor University, UK. Hosted by Prof. D.L. Jones.

**3. Awards and special commissions**

*3.1. Awards, grants and funding*

Royal Physiographic Society in Lund Grant. Computer equipment and analytical software, 45000 SEK, November 2007.

University of Lund Science Faculty Travel grant for young researchers, To visit P.C. Brookes' Soil Biomass Group at Rothamsted Research, UK, to sample a unique pH gradient, 7500 SEK, February 2008.

Royal Physiographic Society in Lund young researcher travel grant. Contributed oral presentation at Ecological Society of America Meeting (ESA-93), 10000 SEK, May 2008.

Royal Physiographic Society in Lund Grant, Research visit to Dr. Noah Fierer's Lab, Univ. Colorado at Boulder, Pyrosequencing Bacterial and Fungal Communities along a unique pH gradient. 65000 SEK. December 2008.

Royal Physiographic Society in Lund Grant, Travel grant for young researchers. Contributed oral presentation at Ecological Society of America Meeting (ESA-94), 15000 SEK, May, 2009.

The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS) Postdoctoral Fellow: *Identifying the carbon drivers and microbial agents of soil respiration*, Hosted by Prof. D.L. Jones, Bangor Univ., UK. Jan 2010 – Jan 2012, 700000 SEK. Declined.

Swedish Research Council (VR) Postdoctoral Fellow: *Identifying the carbon drivers and microbial agents of soil respiration*, Hosted by Prof. D.L. Jones, Bangor Univ., UK. Jan 2010 – Jan 2012, 757500 SEK. Accepted.

FEMS Young scientist travel award. Federation of European Microbiological Societies. Travel grant for "Ecology of Soil Microorganisms", Prague, April 2011. €300.

*3.2. Professional services and special commissions*

*3.2.1. Editorial work*

Subject editor (member of editorial board), *Soil Biology & Biochemistry*, Appointed Sept. 2010.

Member of editorial board, *Biology & Fertility of Soils*, Appointed Oct. 2010.

### 3.2.2. *Other commissions*

Dept. Ecology board member, Lund University, 2006-2009.

Dept. Ecology PhD student council, Lund University, 2005-2007.

### 3.3. *Peer-review assignments (Journal and number of completed assignments)*

Soil Biology & Biochemistry (25)	New Phytologist (1)
Biology and Fertility of Soils (12)	Ecological Monographs (1)
European Journal of Soil Science (2)	Biological Invasions (1)
Biogeochemistry (2)	Soil Science Society of America Journal (1)
The ISME Journal (1)	Wetlands (1)
FEMS Microbiology Ecology (1)	Annales Botanici Fennici (1)

### 3.4. *Scientific leadership associations*

Primary Investigator, Biodiversity and Ecosystem Services in a Changing Landscape (BECC), a strategic research programme hosted by Lund University, funded by the Swedish Research Councils.

Associated researcher. Lund University based Centre for Studies of Carbon Cycle and Climate Interactions (LUCCI), a Swedish Research Council Linnaeus grant

### 3.5. *Grant reviewing duties.*

External grant reviewer for the Czech Science Foundation (GA CR), 2009.

External grant reviewer for the Czech Science Foundation (GA CR), 2 reviews, 2010.

### 3.6. *Invited lectures*

Dept. Ecological and Environmental Sciences, Helsinki University, Finland. "How opening up the black box of decomposition is a prerequisite to understand soil biology; Or: How we must remember not to miss the forest for the trees" Host: Prof. Heikki Setälä. April 2007.

Soil Science, Rothamsted Research, UK. "Bacterial control of fungal growth in soil: Assessing the fungal-bacterial niche overlap using growth measurements in a removal experiment". Host: Prof. Phil C. Brookes. April 2008.

Dept. of Microbiology and Molecular Genetics, Michigan State University. "Bacterial control of fungal growth in soil: Assessing the fungal-bacterial niche overlap using growth measurements in a removal experiment". Host: Prof. Richard E. Lenski. August 2008.

Dept. Ecology and Evolutionary Biology, Umeå University, Sweden. “Fungal and Bacterial Growth in Soil: pH-effects, Competition and Microcosm plant material incubations” Hosted by Mahsa Haei and Prof. Hjalmar Laudon. December 2008.

Ecology & Evolutionary Biology Dept., Univ. Colorado at Boulder. “Fungal and Bacterial Growth in Soil: pH-effects and Competition”. Host: Dr. Noah Fierer. January 2009.

Dept. Ecology, Evolution, and Marine Biology, Univ. California - Santa Barbara. “Fungal and Bacterial Growth in Soil: pH-effects and Competition”. Host: Prof. J.P. Schimel. February 2009.

School of the Environment, Natural Resources and Geography (SENRGy), Bangor Univ., UK. “Decomposer ecology in soil: Soil pH influence and fungal-bacterial interaction”. Host: Prof. D.L. Godbold, June 2010.

Dept. Forest Mycology & Pathology, SLU, Uppsala, Sweden. Host: Dr. Johanna Boberg & Prof. Marianne Clarholm, November 2010.

Dept. Systematic Biology, Evolutionary Biology Centre, Uppsala University, Sweden. Host: Allison Perrigo & Prof. S. Baldauf. November 2010.

### *3.6. Other invitations*

Invited course teacher “Rhizosphere Ecology. Course organiser Prof Heikki Setälä, Dept Ecological and Environmental Sciences, Helsinki University, Finland. April 2007.

Invited guest researcher, Prof P.C. Brookes’ lab at Rothamsted Research, UK. April 2008. April 2010.

Invited guest researcher, Dr. N. Fierer’s Lab, Univ. Colorado, Boulder, USA. Jan - Feb, 2009.

## **4. Teaching and supervision**

### *4.1. Undergraduate teaching experience (totalling about 6 months full-time teaching)*

#### *Lund University, Sweden:*

Miljövetenskap, MVEA01, Seminars. 2006 – 2008.

Ekologi, BIO580. Lab supervisor, Seminars. 2005 – 2009.

Terrestrial ecology TEK010 Lecturer, Lab supervisor, Seminars, Course organisation. 2005–2009

Soil Biology, BIO645. Lab supervisor, Seminars, Project supervisor. 2005-2008, 2010, 2011.

Ecotoxicology, BIOR41. Lab supervisor, Seminar tuition, Project supervisor. 2008, 2009.

Applied Ecotoxicology, BIOR52. Project supervisor, 2009.

\*Soil Ecology BIOR24 (15 p). Primary course organiser. Lecturer, Lab. supervisor, project supervisor, Fall 2009.

#### *Helsinki University, Finland:*

Rhizosphere ecology, Invited course teacher. Dept. Ecological and Environmental Sciences, Helsinki University, Finland. Course organizer: Prof. Heikki Setälä. April 2007.

*Bangor University, UK:*

Soil science. Lecturer. 2010-2011.

*4.2. Graduate thesis supervision*

Adam Bahr, thesis project, 15 ECTS: Antibiotic effects on fungal and bacterial growth and respiration in soil. Deputy supervisor (Primary supervisor Prof Erland Bååth). 2006.

Andrea Enriquez, thesis project, 15 ECTS. Effects of repeated drying-rewetting events on soil bacterial and fungal growth rates. Deputy supervisor (Primary supervisor Prof. Erland Bååth). 2007.

Alex Garcia Cisneros, master thesis project, 30 ECTS: Drying and rewetting effects on fungi and bacteria in soil. Primary supervisor, 2007-2008.

Johanna Lindh Birgander, 15 ECTS: Investigation of the fungal and bacterial toxicity of the fungicides cycloheximide and benomyl in soil. Primary supervisor, 2009-2010.

Johanna Lindh Birgander, 30 ECTS: Seasonal variation in microbial community composition and growth rates in a sandy grassland slope. Deputy supervisor (Primary supervisor, Dr. Pål-Axel Olsson, Plant Ecology, Lund University), 2010-2011.

*4.3. Ph.D. student supervision*

Stephanie Reischke. Accepted for a Ph.D studentship in Microbial Ecology at Lund University May 2009. Deputy supervisor (Primary supervisor Prof. Erland Bååth).

Kathrin Ackermann, Accepted for a Ph.D studentship at SENRGy, Bangor University Dec 2009. Deputy supervisor (Primary supervisors Profs. Tom DeLuca and David L. Jones).

Johanna Lindh Birgander, Accepted for Ph.D. studentship at Plant Ecology, Dept. Biology, Lund University Oct 2010. Deputy supervisor (Primary supervisor Dr. Pål-Axel Olsson, Plant Ecology, Lund University).

*4.4. Postdoctoral supervision*

Dr. Azadeh Bapiri. Effects of drying – rewetting on fungal and bacterial growth in soil. Primary supervisor (Deputy supervisor Prof. Erland Bååth), Microbial Ecology, Lund University, March – October, 2009.