

Samina Rutrecht
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Education

University of Dublin, Trinity College, Ireland **Oct 2002 – April 2006**

Ph.D

Title: 'The impact of *Nosema bombi* on its bumble bee hosts: ecology, epidemiology and the wider context of multiple parasitism'

For my PhD I was awarded an IRCSET (Irish Research Council for Science Engineering and Technology) grant (56,000 Euro).

I was also awarded with a Trinity College Studentship.

University of Dublin, Trinity College, Ireland **Oct 2003 - June 2004**

Diploma in Statistics; 1st with distinction

University of Dublin, Trinity College, Ireland **Oct 1999 - June 2001**

B.A. (Hons)/Zoology; 2.1.

Honours Thesis: 'Influence of the Acantocephalan parasite *Polymorphus minutus* on the behaviour of *Gammarus duebeni* (Amphipoda)'

University of Vienna, Austria **Oct 1998 - July 1999**

University of Graz, Austria **Oct 1997 - July 1998**

Work Experience

St. George's University, School of Medicine **Aug 2007 – present**
Part time Assistant Professor in medical parasitology

University of Dublin, Trinity College **Oct 2002 – November 2006**
During the course of my Ph.D I have helped supervise 2 Research Assistants in parasitology. I have also undertaken laboratory demonstrating to 3rd year zoology students.

University of Dublin, Trinity College **Jan 2002 – Oct 2002**
Research Assistant to Dr. Ken Irvine. I was involved in processing zooplankton samples for an EU funded project on water quality.

University of Dublin, Trinity College

July 2001 - Sept 2001

Responsible for processing samples from a national sea trout survey to estimate the level of infestation of these fish by sea lice.

University of Dublin, Trinity College

July 2000 – Sept 2000

Field Assistant in Freshwater research, where I was involved in taking zooplankton samples and invertebrate identification from lake samples for water quality assessment.

Additional skills

- Experienced user of a wide variety of word processing, spreadsheet and database programs, including MS Word, Excel, Access and PowerPoint.
- Working knowledge of statistical packages such as S.P.S.S. and Datadesk.
- Native German speaker.
- Qualified SCUBA diver (PADI).
- Full driving license.
- Apprenticeship in carpentry – experienced user of a wide variety of wood working machinery

Conferences

Poster presentations

Rutrecht, S.T. and Brown, M.J.F (2003) Evolution of virulence: multigenerational and genetic aspects of a bumble-*Nosema bombi* (Microsporidia) host-parasite relationship. **IRCSET Symposium**; 7th November 2003, Dublin, Ireland

Rutrecht, S.T. and Brown, M.J.F (2003) Parasite impact on a bumble bee population. Annual winter meeting of the British section of the **IUSSI**; 5th December 2003, University of Dublin, Trinity College, Dublin, Ireland

Rutrecht, S.T. and Brown, M.J.F (2004) Impact and implications of multiple parasites for host ecology and evolution. **Jacques Monod Conference** “Evolutionary ecology of host-parasite relationships”; 4th – 8th September 2004, Roscoff, France.

Rutrecht, S.T. and Brown, M.J.F (2004) Impact and implications of multiple parasites for host ecology and evolution. Annual winter meeting of the British section of the **IUSSI**; 10th December 2004, Royal Entomological Society London.

Rutrecht, S.T. and Brown, M.J.F. (2004) Impact and implications of multiple parasites for host ecology and evolution. Poster Presentation at the **IRCSET** Symposium; 23rd September 2004, Dublin.

Oral presentations

Rutrecht, S.T. and Brown, M.J.F. (2004) Effects of *Nosema bombi* on its host *Bombus lucorum*. First Annual **Postgraduate Symposium** of the Department of Zoology, Trinity College Dublin, 14th – 15th March 2005.
received first price in the competition for best presentation.

Publications

Rutrecht, S.T. and Brown, M.J.F., (in print) Differential virulence in a multiple-host parasite of bumble bees: resolving the paradox of parasite survival?. *Oikos*

Rutrecht, S.T. and Brown, M.J.F., (2008) Within colony dynamics of *Nosema bombi* infections: disease establishment, epidemiology and potential vertical transmission. *Apidologie*

Rutrecht, S.T., Klee, J. and Brown, M.J.F. (2007) Horizontal transmission success of *Nosema bombi* to its adult bumble bee host: effects of dosage spore source and host age. *Parasitology*, **134**, 1719-1726.

Rutrecht, S.T. and Brown, M.J.F. (2007) The life-history impact and evolutionary implications of multiple parasites for a bumble bee queens. *International Journal for Parasitology*, **38**, 799-808.

Referees

PhD Supervisor

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