

## Curriculum Vitae

### Education

- PhD in Ecology, Umeå University/Sweden 11/06/2008  
*Alternative stable states in size-structured communities: Patterns, processes and mechanisms*  
Jointly supervised by Prof L Persson and Prof A de Roos (University of Amsterdam)
- Diploma in Biology, Freiburg University/Germany 05/11/2001  
*Verhalten von Aleochara curtula GOEZE (Coleoptera: Staphylinidae) unter Simulation der Freilandbedingungen und chemische Quantifizierung von Pheromonkomponenten an lebenden Männchen.*  
Supervised by Prof K Peschke  
Ecology and Evolutionary Biology, Limnology, Developmental Biology, Soil Sciences.  
Final grade: Very Good (1.0)

### Professional Experience

- Marie Skłodowska Curie Research Fellow at Leibniz-Institute for Freshwater Ecology and Inland Fisheries, IGB (Germany) 06/2015 – present
- Research Fellow at Leibniz-Institute for Freshwater Ecology and Inland Fisheries, IGB (Germany) 01/2014 – 05/2015
- NERC Postdoctoral Researcher at Sheffield University (UK) 09/2012 – 12/2013
- Swedish Research Council Researcher at Lund University (Sweden) 09/2011 – 08/2012
- Swedish Research Council Research Fellow at Leeds University (UK) 08/2009 – 08/2011
- Research Assistant Umeå University (Sweden) 07/2008 – 10/2008
- PhD Student Umeå University (Sweden) 11/2002 – 06/2008
- Research Traineeship Syngenta AG Basel (Switzerland) 12/2001 – 09/2002
- Diploma Research Project Freiburg University (Germany) 09/2000 – 11/2001

### Publications

#### Peer-reviewed journal articles

- 1) **Schröder A**, Kalinkat G & Arlinghaus R (2016) Individual variation in functional response parameters is explained by body size but not by behavioural types in a poeciliid fish. *Oecologia* (in press).
- 2) Arlinghaus R, Laskowski K, Alós J, Klefoth T, Monk CT, Nakayama S & **Schröder A** (2016) Passive gear-induced timidity syndrome in wild fish populations and its potential ecological and managerial implications. *Fish & Fisheries* (in press).
- 3) Arlinghaus R, Alós J, Klefoth T, Laskowski K, Monk CT, Nakayama S & **Schröder A** (2016) Consumptive tourism causes timidity, rather than boldness, syndromes: A response to Geffroy *et al.* *Trends in Ecology and Evolution* **31**:92-94.
- 4) Liess A, Rowe O, Francoeur SN, Guo J, Lange K, **Schröder A**, Reichstein B, Lefebure R, Deininger A, Mathisen P & Faithfull C (2016) Terrestrial runoff boosts phytoplankton in a Mediterranean coastal lagoon, but these effects do not propagate to higher trophic levels. *Hydrobiologia* **766**:275-291.
- 5) **Schröder A**, van Leeuwen A & Cameron T (2015) Empirical support for different types of positive mortality effects. A reply to Abrams. *Trends in Ecology and Evolution* **30**:180-181.
- 6) **Schröder A**, van Leeuwen A & Cameron T (2014) When less is more: positive population-level effects of mortality. *Trends in Ecology and Evolution* **29**:614-624.
- 7) **Schröder A** (2013) Density- and size-dependent winter survival of late *Chaoborus flavicans* larvae. *PlosOne*, **8**:e75839.
- 8) Reichstein B, **Schröder A**, Persson L & de Roos AM (2012) Habitat complexity does not promote coexistence in a size-structured intraguild predation system. *Journal of Animal Ecology*, **82**:55-63.

9) **Schröder A**, Persson L & de Roos AM (2012) Complex shifts between food web states in response to whole-ecosystem manipulations. *Oikos* **121**:417-427. (Editor's Choice Oct. 2011).

10) **Schröder A**, Persson L & de Roos AM (2009) Culling experiments demonstrate size-class specific biomass increases with mortality. *Proceedings of the National Academy of Sciences USA* **106**:2671-2676.

11) **Schröder A**, Nilsson KA, Persson L, van Kooten T & Reichstein B (2009) Invasion success depends on invader body size in a size-structured mixed predation – competition community. *Journal of Animal Ecology* **78**:1152-1162. (included in Virtual Special Issue – July 2012).

12) **Schröder A**, Persson L & de Roos AM (2005) Direct experimental evidence for alternative stable states: A review. *Oikos* **110**:3-19. (Most Accessed Article in 2005).

#### Peer-reviewed book chapters

13) **Schröder A** (2008) Inference about complex ecosystem dynamics. *in: New Models for Ecosystem Dynamics and Restoration*. Hobbs, R. and Suding, K. (eds.), pp. 50-62, Island Press, Washington DC, USA.

#### Books

14) Beck A, Cheeseman M, Evan C, Levene B, Paragreen J, Reeve H, **Schröder A**, Spencer S (2014) *NO PICNIC: Explorations in art and research*. AND Publishing, ISBN 978-1-908452-43-6

#### Research Grants and Fellowships

- Sheffield Crucible Seed Funding (2012). *Art, Research & Urban Space*: 10K £

- Small NERC Research Grant; Postdoctoral Co-Applicant (2012). *Quantitative state dependent behaviour – Confronting models with high resolution data*: 64K £

- MesoAqua FP7 Transnational Access Research Grant; Expert Co-Applicant (2011). *Top down versus bottom up effects of climate change in marine food webs*: 80K €

- European Science Foundation Short Visit Research Grant (2011). *Body size variation and species identity as determinants of zooplankton food web dynamics*: 1.7K €

- SJCKMS Research Grant (2005). *The juvenile bottleneck in Chaoborus recruitment as an indirect effect of Cladoceran grazing in a size-structured zooplankton community*: 12K SEK

- Marie Skłodowska-Curie Individual Fellowship (2015). *The consequences of the joint individual variation in size specific life histories and behavioural types*.

- Leibniz & IGB Postdoctoral Research Fellowship (2013). *Individual functional response as animal personalities*.

- Swedish Research Council Homecoming Grant (2011). *The feedbacks between individual size and migration propensity, migrant population state and partial seasonal migration*.

- Swedish Research Council Outgoing Postdoctoral Fellowship (2009). *Causes and consequences of conditional dispersal for metapopulation dynamics*.

Plus several *travelling grants* from for example The Kempe Foundation and The Journal of Experimental Biology for international conferences, collaborations etc. (4 in total)

#### Invited Presentations (conferences, workshops and symposia only)

- The Asymmetry Summit: Consequences of spatial, temporal and ontogenetic asymmetries in ecological interactions February 2014 / Prof S. Diehl & Dr P. Byström

- Ghent University/Dept. of Biology – Lectures in Population Ecology 2014 / Prof D. Bonte

- Institute for Freshwater Ecology and Inland Fisheries IGB Berlin – Workshop on the Consequences of Behavioural Types February 2013 / Dr M. Wolf & Prof R. Arlinghaus

- British Ecological Society/Annual Meeting 2012 – Special Symposium on population and community consequences of ontogenetic development / Prof L. Persson & Dr T. Cameron

- Workshop on Stochastic Demography in Fluctuating Environments: Theory and Empirical Patterns April 2012 / Prof R. Lande, Prof S. Engen, Prof B.-E. Sæther.
- Final LEREC Workshop Abisko September 2010 / Dr C. Faithfull

Several more invited talks in seminar series (11) as well as several oral (10) and poster (2) presentations at national and international conferences, workshops and annual society meetings

### **Internal and Professional Responsibilities incl. Teaching**

*Reviewing* for Ecology Letters, Trends in Ecology and Evolution, Ecology, Oikos, Journal of Animal Ecology, Hydrobiologia, Ecological Modelling, and more

*Founding member and former secretary* of the Sheffield APS Postdoc Society.

*Founding member and speaker* of the IGB Postdoc Society.

*Postdoc representative* at the Researcher Development Group at the Faculty of Science/ University of Sheffield; developing and implementing frameworks for Early Career Building.

*Lecturing, tutoring and assessing* students in zooplankton ecology, theoretical community ecology, and behavioural ecology. Supervisions of undergraduate and master theses (total 7).

*Chairing of sessions* at international conferences, incl. annual meetings of OIKOS and BES

*Member* of The Nordic Society Oikos and The British Ecological Society, Associate Faculty Member f1000 (2010-2011)

### **Outreach and Public Engagement**

Festival of the Mind/Mind Investors Sheffield 2012: Pitching research ideas to the public.

Open Day Umeå University: Introducing ecological research to school children (3 x).