

## **EDUCATION:**

2016 - 2020

### **University of Jyväskylä, Finland**

Doctoral studies

Thesis "*Indirect and Transgenerational Effects of Predation Risk: Predator Odour and Alarm Pheromones in the Bank Vole*"

Defended: 23.04.2020

Opponent: Prof. Anders Angerbjörn

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Skills gained during my degree include: independent planning of research project, leading and guiding a group of people for several months throughout an experiment, improved scientific writing skills, deeper understanding of behavioural ecological subjects and experiments.

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2013 - 2015

### **Linköping University, Sweden**

Applied Ethology and Animal Biology MSc

Modules included:

- Methods in Applied Ethology
- Behavioural Neurobiology
- Zoobiology
- Primate Ethology

Thesis "*Behavioural responses of mice to predator odour components*". Required that I pay close attention to detail and stay focused during longer observation periods in order to obtain accurate results.

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Skills gained during my degree include: Insight into several ethological aspects, mostly around animal welfare, research in farm and zoo environment, developing and conducting small behavioural studies.

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2010 - 2013

### **Rheinischen Friedrich-Wilhelm-Universität Bonn, Germany**

Biology BSc, Grade: 2,5 (German grade system)

Modules included:

- Animal physiology
- Morphology and evolution of animals
- Behavioural physiology

Thesis "*Population density and spatial distribution of ungulates on the farm Okomitundu in Namibia*" (original: Bestandsdichte und räumliche Verteilung von Huftieren auf der Farm Okomitundu in Namibia).

Included three months of field research with camera traps on the farm in collaboration with WRON (Wildlife Research Okomitundu Namibia).

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Skills gained during my degree include: Overview of many biological fields, basic knowledge in microbiology and immunology, manipulating and analysing camera traps.

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## **PUBLICATIONS:**

Andreassen HP, Sundell J, Ecke F, Halle S, Haapakoski M, Henttonen H, Huitu O, Jacob J, Johnsen K, Koskela E, Luque-Larena JJ, Lecomte N, Leirs H, Mariën J, Neby M, Rätti O, **Sievert I**, Singleton GR, van Cann J, Vanden Broecke B, Ylönen H. (2020) Population cycles and outbreaks of small rodents: ten essential questions we still need to solve. *Oecologia*. doi: 10.1007/s00442-020-04810-w.

**Sievert I**, Kerkhoven A, Haapakoski M, Matson KD, Ylönen O, Ylönen H. 2020. In utero behavioral imprinting to predation risk in pups of the bank vole. *Behav Ecol Sociobiol*. 74(2):13. doi:10.1007/s00265-019-2791-8.

Ylönen H, Haapakoski M, **Sievert I**, Sundell J (2019) Voles and weasels in the boreal Fennoscandian small mammal community: what happens if the least weasel disappears due to climate change? *Integr Zool* 14:327–340. doi: 10.1111/1749-4877.12388

**Sievert I**, Haapakoski M, Palme R, et al (2019) Secondhand horror: effects of direct and indirect predator cues on behavior and reproduction of the bank vole. *Ecosphere* 10:e02765. doi: 10.1002/ecs2.2765

**Sievert I**, Laska M (2016) Behavioral responses of CD-1 Mice to six predator odor components. *Chem Senses* 41:399–406. doi: 10.1093/chemse/bjw015

## **ORAL & POSTER PRESENTATIONS:**

### **ORAL:**

- "Secondhand horror: effects of direct and indirect predator cues on behavior and reproduction of the bank vole" at 8th European Congress of Mammalogy, Warsaw Poland, 23.09.19 – 27.09.19
- "In utero behavioral imprinting to predation risk in pups of the bank vole" at Oikos Finland, Oulu, 05.02.19 – 06.02.19
- "Secondhand horror: Effects of direct and indirect predator cues on behavior and reproduction of the bank vole" at "3. Suomen nisäkästieteen päivät", Lammi biological station, 16.11.17 – 18.11.17

### **POSTER:**

- "In utero behavioral imprinting to predation risk in pups of the bank vole" at Gordon Research Conference on Predator-Prey Interactions, 26.01.20 – 31.01.20, Ventura, CA, USA
- "Secondhand horror: Effects of direct and indirect predator cues on behaviour and reproduction of the bank vole" at 6th International Conference of Rodent Biology and Management & 16th Rodens et Spatium, Potsdam, Germany, 03.09.18 – 07.09.18
- "Secondhand horror: Effects of direct and indirect predator cues on behavior and reproduction of the bank vole" at Gordon Research Conference on Predator-Prey Interactions, 28.01.18 – 02.02.18, Ventura, CA, USA
- "Scared or dead? Effects of direct and indirect predator cues on behavior and reproduction of the bank vole" at "1st International Workshop On Bank Vole Research", Lublin, Poland, 11.05.17 – 12.05.17

## **GRANTS:**

- Travel grant, Doctoral program in Biological and Environmental Science, University of Jyväskylä (1500€), 5.12.2019
- Travel grant, Doctoral program in Biological and Environmental Science, University of Jyväskylä (1400€), 04.09.2019

## **TEACHING:**

- Boreal Winter Ecology, lectures and guided field work, 11.02.19 - 15.02.19
- Boreal Winter Ecology, lectures and guided field work, 12.02.18 - 16.02.18
- Boreal Winter Ecology, lectures and guided field work, 13.02.17 - 17.02.17

## **SUPERVISION**

- Master thesis: Anna Kervola (2017 – 2019), University of Jyväskylä

## **VOLUNTEERING:**

2018 – ongoing

### **Moderator on science related social media**

Part of the moderator team for reddit.com/r/science, which currently has 23.9 million members. The team consist of academics enforcing community standards and assuring discussions stay on topic.

2009 - 2013

### **German Red Cross, Bonn, Germany (volunteer)**

The volunteering included first responder training (certified in 2010 "Rettungshelfer NRW"), assistance during marathons, carnival parades, conventions and sport events. Depending on the event, I was either part of or lead a troop of two to six people.

## **SKILLS:**

*Teamwork*

During my PhD studies I was in charge of leading and guiding the experiments during the summer months. The group consisted often of a Masters student and a few field helpers, four to six people per year. Even though not officially in a supervising role for most of the Master students, I supervised and mentored three additional students during the data collection phase. This included practical help with detailed question about their research and experimental set-up, advice for data collection, and guidance for the statistical analysis.

*Communication*

Oral communication skills expressed in presentations. Writing skills developed with scientific essay and thesis writing. Especially during my PhD I had the opportunity to present my work at several conferences, which greatly helped me to refine my presentation skills, become even more comfortable to present, and my ability to pitch my ideas during poster sessions.

*Problem solving*

Readjusting experimental set-ups after unsuccessful pilot runs and finding workarounds for malfunctioning equipment helped me to come up with creative solutions.

*Computer skills*

R/RStudio (including several packages for statistical analysis and visualization), MS Word, Excel, PowerPoint

*Other relevant research expertise*

Licensed for function (a), (b), (c) and (d) of Directive 2010/63/EU, familiar and comfortable with the handling, care, and husbandry of experimental animals (especially rodents and weasels), knowledgeable about a wide array of behavioural tests, field work experience in different environments

*Languages*

German (native),  
English (professional working proficiency),  
French (professional working proficiency),  
Swedish (basic)