

Curriculum Vitae

Thorbjörn Sievert

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1. Personal details

- [Thorbjörn Sievert](#)
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 - Website: tsievert.com
- Date of birth: 14.06.1990
- Nationality: German
- Current residence: Liège (Belgium)
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2. Degrees

- 17.06.2020: PhD, Ecology and Evolutionary Biology, University of Jyväskylä (Jyväskylä, Finland)
 - Title: Indirect and Transgenerational Effects of Predation Risk: Predator Odour and Alarm Pheromones in the Bank Vole
 - Contact: Department of Biological and Environmental Science, P.O. Box 35, FI-40014, University of Jyväskylä, Finland
- 06/2015: M.Sc., Applied Ethology and Animal Biology, University of Linköping (Linköping, Sweden)
 - Title: Behavioural responses of mice to predator odour components
- 2013: B.Sc., Biology, Rheinische Friedrich-Wilhelm-Universität Bonn (Bonn, Germany)

3. Other education and expertise

- 10/2019: The Course for the Protection of Animals Used for Scientific Purpose (5 ECTS), University of Jyväskylä, qualified for functions (a) and (b) of Directive 2010/63/EU (FELASA cat. A and B)
- 03/2023: Qualified for function (c) of Directive 2010/63/EU (FELASA cat. C), University of Liège

4. Language skills

- Native language: German
- English (understanding, speaking and writing: C2), French (understanding: C1; speaking: B2; writing: B2), Swedish (understanding, speaking and writing: A2), Spanish (understanding, speaking and writing: A2), Finnish (understanding, speaking and writing: A2.1)

5. Current employment

- 10/2022 – ongoing: Postdoctoral researcher, University of Liège, Belgium, GIGA Neurosciences, Role of the vomeronasal organ in species recognition and adaptation, PI: Dr. Jean-Marc Lassance

6. Previous work experience

- 06/2020 – 03/2021: Postdoctoral researcher, University of Jyväskylä, funded by a grant awarded to Prof. Hannu Ylönen (Kone Foundation), project plans interrupted by COVID-19 pandemic
- 05/2016 – 06/2020: Doctoral studies, University of Jyväskylä

7. Career breaks

- 04/2021 – 09/2022: Job search and several grant applications

8. Research funding and grants

- Research funding
 - 40.000€, Osk. Huttusen säätiö (Osk. Huttunen Foundation), „Short-term and long-term responses to conspecific alarm cues in two rodent species“, in collaboration with Prof. Heiko Rödel, Université Sorbonne Paris Nord, 08/2022
- Travel grants
 - 1500\$, American Society of Mammologists, 02/2023
 - 1500€, Doctoral program in Biological and Environmental Science, University of Jyväskylä, 12/2019
 - 1400€, Doctoral program in Biological and Environmental Science, University of Jyväskylä, 09/2019

9. Research output

- Total number of peer-reviewed publications: 7
- Total number of citations and h-index (according to [Google Scholar](https://scholar.google.com/)): 174 citations; h-index: 5
- Peer-reviewed publications:
 - **Sievert T**, Bouma K, Haapakoski M, Matson KD, Ylönen H. (2021) Pre- and Postnatal Predator Cues Shape Offspring Anti-predatory Behavior Similarly in the Bank Vole. *Front. Ecol. Evol.* 9, 709207. doi: [10.3389/fevo.2021.709207](https://doi.org/10.3389/fevo.2021.709207). (Open Access)
 - **Sievert T**, Ylönen H, Blande JD, Saunier A, van der Hulst D, Ylönen O, Haapakoski M. (2021) Bank vole alarm pheromone chemistry and effects in the field. *Oecologia* 196, 667–677. doi: [10.1007/s00442-021-04977-w](https://doi.org/10.1007/s00442-021-04977-w). (Open Access)
 - 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 T**, Singleton GR, van Cann J, Vanden Broecke B, Ylönen H. (2021) Population cycles and outbreaks of small rodents: ten essential questions we still need to solve. *Oecologia* 195(3):601-622. doi:[10.1007/s00442-020-04810-w](https://doi.org/10.1007/s00442-020-04810-w). (Open Access)

- **Sievert T**, 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](https://doi.org/10.1007/s00265-019-2791-8). (Open Access)
- Ylönen H, Haapakoski M, **Sievert T**, 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](https://doi.org/10.1111/1749-4877.12388) (Open Access)
- **Sievert T**, Haapakoski M, Palme R, Voipio H, Ylönen H. (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](https://doi.org/10.1002/ecs2.2765) (Open Access)
- **Sievert T**, Laska M. (2016) Behavioral responses of CD-1 Mice to six predator odor components. *Chem Senses* 41:399–406. doi: [10.1093/chemse/bjw015](https://doi.org/10.1093/chemse/bjw015)

10. Research supervision and leadership experience

- Supervised M.Sc. theses: 1
- During my PhD studies I was in charge of leading and guiding the experiments during the summer months. The group consisted often of a Master's 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 questions about their research and experimental set-up, advice for data collection, and guidance for statistical analysis.

11. Teaching merits

- Winter 2021/2022: Design and Development of online learning materials: Building of the module "5. How do we process incoming sensory information?", section "9. Chemical communication", which is part of the online e-course Systems and Cognitive Neuroscience (SCNS; 5 ECTS credits). The SCNS e-course is a collaborative project between Finnish Universities, initiated by the Helsinki Brain & Mind network.
- 2017, 2018, 2019: Boreal Winter Ecology (lectures and guided fieldwork), University of Jyväskylä

12. Awards and honours

- None

13. Other key academic merits

- Verified peer-reviews on [Web of Science](https://www.webofscience.com): 14
- Invited talks:
 - 07/2023: "Indirect and transgenerational effects of predation risk: Predator odor and alarm pheromones in bank voles", Symposium: "The olfactory landscape: a real-time dynamic source of information that drives behavioural decisions and landscape use in mammals", 13th International Mammalogical Congress, 14-20.07.2023, Anchorage, USA

14. Scientific and societal impact

- Public outreach
 - Skype a Scientist
 - 2022: 2 appearances
- Open data
 - All datasets and statistical code of first-author publications are openly available (see [figshare](#) for an overview)
 - Working on maintaining a transparent and reproducible workflow on the [LassanceLab Github repository](#)
- 2018 – 2023: Moderator on science-related social media
 - Part of the moderator team for reddit.com/r/science, which has 27.8 million members (06/2023). The team consisted of academics enforcing community standards and assuring discussions stay on topic.