

Curriculum Vitae Dr Lysanne Snijders

Leibniz-Institute for Zoo and Wildlife Research,
Dept.: Evolutionary Ecology, Alfred-Kowalke-Str. 17, 10315 Berlin, Germany
Tel: +31 (0)624488737, Email: lysannesnijders@gmail.com, Website: www.LysanneSnijders.com
ResearchGate: www.researchgate.net/profile/Lysanne_Snijders; Twitter: twitter.com/LysanneSnijders

Employment history & Research training

- 2018-Current Alexander von Humboldt Postdoc Fellow, Dept. Evolutionary Ecology; Leibniz IZW-Berlin
- 2018-Current Guest Researcher, Dept. Biology and Ecology of Fishes; Leibniz IGB-Berlin
- 2017-2018 IGB Postdoc Fellow, Dept. Biology and Ecology of Fishes; Leibniz IGB-Berlin
- 2016-2017 Postdoc scientist, Behavioural Ecology Group; Wageningen University Research
- 2012-2017 Guest Researcher, Animal Ecology Department; Netherlands Institute for Ecology
- 2012-2016 PhD student, Behavioural Ecology Group; Wageningen University Research (*cum laude*: awarded to the **top 3%**)
- 2009-2011 Master Biology, Wageningen University & Research (*cum laude*: awarded when all courses are, on average, graded 8 or higher, and the MSc thesis 9 or higher)
- 2005-2009 Bachelor Biology, Utrecht University (2007: Minor Management and Organization)

Doctorate

Title: To tweet or not to tweet: The role of personality in the social networks of great tits.
Behavioural Ecology Group, Wageningen University & Research, **The Netherlands**. Date of defence: 29-04-2016. Promotor: Prof Marc Naguib; Co-promotor: Dr Kees van Oers.

MSc Theses

- 2010-2011 Differences in anti-predator behaviour between day and night for dabbling ducks in the Fraser Delta. Centre for Wildlife Ecology of Simon Frasier University, **Canada**.
- 2009 Behavioural features of a migratory Barnacle goose population (*Branta leucopsis*). Resource Ecology Group, Wageningen University & Research, **The Netherlands**.

Brief summary of research

I am interested in unravelling the causes and consequences of individual behavioural differences in the wild. I have studied this topic across contexts (sociality, foraging, migration) and taxa (birds, fish, bats).

During my PhD, I used a novel tracking system and a self-designed video-playback experiment to study effects of behavioural traits on proximity and communication networks in great tits. I was the first to establish a correlation between behavioural traits and social network position in a territorial population¹², to provide strong evidence for a causal link between behavioural traits and social attraction⁶ and to show simultaneous attraction and repulsion, depended on sex, towards a social signal in the wild⁷. I additionally showed dawn song traits to predict individual responses during territory conflicts⁹ and for these traits to differ between individuals depending on social and spatial proximity¹¹. I evaluated the ethical implications of my PhD work by analysing potential adverse effects of transmitter attachment over 3 years of tagging⁴. Finally, I theoretically synthesized my PhD in a comprehensive literature review on the conceptual links between animal social and communication networks⁵.

During my Postdoc with Trinidadian guppies, I revealed, for the first time, that individual foraging success in the wild can be consistent across environments when foraging socially². I also actively explored opportunities to apply animal behaviour to conservation, by making conceptual links³ and reviewing animal behaviour-based conservation interventions¹. Currently, I am investigating the role of behavioural traits in bat migration, e.g. are more exploratory individuals more likely to be migrants?

Publications

Peer reviewed

1. Berger-Tal O, Greggor AL, Macura B, Adams CA, Blumenthal A, Bouskila A, Candolin U, Doran C, Fernandez-Juricic E, Gotanda KM, Price C, Putman B, Segoli M, **Snijders L**, Wong BBM, Blumstein DT (2019). Systematic maps and reviews as tools for applying behavioral ecology to management and policy. **Behavioral Ecology**. Online. <https://doi.org/10.1093/beheco/ary130>
2. **Snijders L**, Kurvers RHJM, Krause S, Ramnarine IW, Krause J (2018). Individual- and population-level drivers of consistent foraging success across environments. **Nature Ecology and Evolution** 2: 1610-1618. <https://doi.org/10.1038/s41559-018-0658-4> - Preprint published on [BioRxiv](https://doi.org/10.1101/254159)
3. **Snijders L**, Blumstein DT, Stanley CR, Franks DW (2017) Social network theory can help wildlife conservation. **Trends in Ecology and Evolution** 32: 567-577.
4. **Snijders L**, Nieuwe Weme LE, De Goede P, Savage JL, van Oers K, Naguib M (2017) Context-dependent effects of transmitter attachment. **Avian Biology** 48: 650-659.
5. **Snijders L**, Naguib M. (2017) Communication in animal social networks: a missing link? **Advances in the study of Behaviour** 49: 297-359.
6. **Snijders L**, Naguib M, van Oers K (2017) Dominance rank and boldness predict social preference in great tits. **Behavioral Ecology** 28: 398-406.
7. **Snijders L**, van Oers K, Naguib M (2017) Sex-specific responses to territory intrusions in a communication network: evidence from radio-tagged great tits. **Ecology and Evolution** 7: 918-927.
8. Naguib M, van Rooij EP, **Snijders L**, van Oers K (2016). To sing or not to sing: seasonal changes in singing vary with personality in wild great tits. **Behavioral Ecology** 27: 932-938.
9. **Snijders L**, van Rooij EP, Henskens MFA, van Oers K, Naguib M (2015) Dawn song predicts behaviour during territory conflicts in personality-typed great tits. **Animal Behaviour** 109: 45-52.
10. Clément R, Wolf M, **Snijders L**, Krause J, Kurvers RHJM (2015). Information transmission via movement behaviour improves decision accuracy in human groups. **Animal Behaviour** 105: 85-93.
11. **Snijders L**, van Rooij EP, van der Eijk J, de Goede P, van Oers K, Naguib M (2015). Song trait similarity varies with social structure. **PLoS ONE** 10: e0116881.
12. **Snijders L**, van Rooij EP, Burt, JM, Hinde, CA, van Oers, K, Naguib, M (2014). Social networking in territorial great tits: slow explorers have the least central social network positions. **Animal Behaviour** 98: 95-102.
13. Jonker RM, Kuiper MW, **Snijders L**, Van Wieren SE, Ydenberg RC, Prins HH (2011). Divergence in timing of parental care and migration in barnacle geese. **Behavioral Ecology** 22: 326-331.

Invited commentaries in peer-reviewed journals

1. Berger-Tal O, Greggor AL, Macura B, Adams CA, Blumenthal A, Bouskila A, Candolin U, Doran C, Fernandez-Juricic E, Gotanda KM, Price C, Putman B, Segoli M, **Snijders L**, Wong BBM, Blumstein DT (2019). Systematic evidence synthesis as part of a larger process: a response to comments on Berger-Tal et al. **Behavioral Ecology**. Online: <https://doi.org/10.1093/beheco/ary163>
2. van Leeuwen EJC, **Snijders L** (2019). Knowledge is power but wisdom is liberty. A comment on Thompson "Supporting Ape Rights: Finding the Right Fit Between Science and the Law". **ASEBL Journal**.

Preprints

1. **Snijders L**, Kurvers RHJM, Krause S, Ramnarine IW, Krause J (2018). Individual- and population-level drivers of consistent foraging success across environments. **BioRxiv**. Doi: <https://doi.org/10.1101/260604>
2. **Snijders L**, Kurvers RHJM, Krause S, Tump AN, Ramnarine IW, Krause J (2018) Females facilitate male patch discovery in a wild fish population. **BioRxiv**. Doi: <https://doi.org/10.1101/478537>

Datasets

1. **Snijders L**, Nieuwe Weme LE, de Goede P, Savage JL, van Oers K, Naguib M (2017). Data from: Context-dependent effects of radio transmitter attachment on a small passerine. **Dryad Digital Repository**. <https://doi.org/10.5061/dryad.j4v4b>
2. **Snijders L**, van Oers K, Naguib M (2017). Data from: Sex-specific responses to territorial intrusions in a communication network: evidence from radio-tagged great tits. **Dryad Digital Repository**. <https://doi.org/10.5061/dryad.00v20>
3. **Snijders L**, Naguib M, van Oers K (2016). Data from: Dominance rank and boldness predict social attraction in great tits. **Dryad Digital Repository**. <https://doi.org/10.5061/dryad.576bs>

Awards, grants & fellowships

- **Humboldt Research Fellowship** (2017) for a postdoc position at the Leibniz-Institute for Zoo and Wildlife Research, starting 2018 (24 months salary + research costs: €63,000).
- **IGB Postdoc Fellowship** (2017: 12 months salary + consumables and travel allowances: €22,000)
- **Max Planck Institute for Evolutionary Biology Travel Grant** (2017: €200)
- **WIAS Postdoc Fellowship** (2016: three months salary: €8,000)
- **ISBE Travel Award** (2016: €650)
- **Wageningen University Call for Innovation** (2016: co-applicant: €23,000)
- **WIAS Graduate School PhD fellowship** (2014: €1,520)
- **ASAB Travel Grant** (2014: €390)
- Runner up **Ethologische Gesellschaft Poster Prize** at the Meeting in Bielefeld (2013: €100)
- **Alfred Russel Wallace Award** Best yearly Master's thesis at the Resource Ecology Group (€150).

International activities – excluding activities in The Netherlands

International collaborations

2018-Present: Dr Liam Bailey, Dr Alexander Courtiol and Dr Oliver Hoener (Leibniz-IZW, **Germany**). On-going project on the drivers of population recovery in the spotted hyena using long-term data.

2018-Present: Dr Tanja Straka (Leibniz-IZW, **Germany**), Dr Sophia Kochalski (Leibniz-IGB, **Germany**) and Dr Maarten Jacobs (Wageningen University, the Netherlands). On-going project on linking the Human Dimensions of Wildlife to Animal Behaviour in the context of Wildlife Management.

2018-Present: Dr Christian Voigt (Leibniz-IZW, **Germany**). On-going project on personality, sociality and migration strategies in bats.

2017-Present: Prof Daniel Blumstein (UCLA, **USA**), Dr Daniel Franks (University of York, **UK**) and Dr Christina Stanley (University of Chester, **UK** & West African Primate Conservation Action Research Group, Ghana). Project on animal social network theory in conservation and on-going work on behavioural interventions in conservation. One joint publication (Two with DB).

2017-Present: Dr Oded Berger-Tal (Ben Gurion University of the Negev, **Israel**) and Dr Alison Greggor (San Diego Zoo, Institute for Conservation Research, **USA**). On-going project on systematic reviews in animal behaviour for conservation. One joint publication.

2016-Present: Prof Jens Krause (Humboldt University & Leibniz-IGB, **Germany**), Prof Stefan Krause (Fachhochschule, **Germany**) and Prof Indar Ramnarine (University of the West Indies, **Trinidad & Tobago**). Project on social networks and foraging in the wild. One joint publication (Two with JK).

2015-Present: Dr Ralf Kurvers (Max Planck Institute for Human Development, **Germany**). Project on collective decision making and on-going project on social foraging. Two joint publications.

2015-Present: Prof David McDonald (University of Wyoming, **USA**). On-going project on social network analysis.

2015-2015: Dr Max Wolf (Leibniz-IGB, **Germany**). Project on collective decision making. One joint publication.

2012-2016: Dr John Burt (University of Washington, **USA**). Project on spatially tracking social networks of small songbirds. One joint publication.

2009-2011: Prof Ron Ydenberg (Simon Fraser University, **Canada**). Project on foraging and parental care in ducks and geese (One joint publication).

International workshops and conferences

- Wildlife Research and Conservation: oral presentation– Berlin, **Germany** (2019)
- Biomove training group: invited seminar talk – Potsdam, **Germany** (2019)
- Oikos Sweden: Invited plenary – Uppsala, **Sweden** (2019)
- ZSL Symposium: Linking behaviour to populations and communities: how can behavioural ecology inform conservation; 2 poster presentations – London, **UK** (2018)
- Biomove Symposium: Integrating biodiversity research with movement ecology – Potsdam, Germany (2018)
- Göttinger Freiland Tage: Social complexity; oral presentation – Göttingen, **Germany** (2017)
- Systematic Review for Conservation Workshop; participant – Negev, **Israel** (2017)
- International Summer School on Stable Isotopes in Animal Ecology; participant – Berlin, **Germany** (2016)
- Behaviour; three oral presentations – New castle, **UK**; Cairns, **Australia**; Estoril, **Portugal** (2013, 2015, 2017)
- International Berlin Bat Meeting; participant – Berlin, **Germany** (2017)
- ISBE; two oral presentations – New York, **USA** & Exeter, **UK** (2014, 2016)
- Behaviour, Physiology and Genetics of Wildlife; oral presentation – Berlin, **Germany** (2015)
- Meeting of the Ethologische Gesellschaft; poster presentation and oral presentation – Bielefeld & Hamburg, **Germany** (2013, 2015)
- ASAB Winter meeting; poster presentation – London, **UK** (2013, 2014)

International research activities

- Laboratory visit and invited seminar - University of St Andrews , St Andrews, UK (2019)
- Postdoctoral scientist – IZW, Berlin, **Germany** (2017-2018): 7 months
- Postdoctoral scientist – IGB, Berlin, **Germany** (2017-2018): 12 + 3 months
- Collection of field data – **Trinidad & Tobago** (2016-2018): 3 x 3 weeks
- Visiting scientist - Fachhochschule Lübeck, **Germany** (2017): 1 week
- Laboratory visit & talk - IZW, **Germany** (2015 & 2016): 2 days
- Visiting scientist - IGB, Berlin, **Germany** (2012-2016): 3 months cumulative
- Visiting scientist - University of Wyoming, Wyoming, **USA** (2015): 5 weeks
- Laboratory visit & talk - University of Colorado, **USA** (2015): 1 day
- Master thesis - Simon Fraser University, Burnaby, **Canada** (2010): 6 months
- Collection of field data - Saaremaa, **Estonia** (2009): 2 weeks

Other professional international activities

- Bird banding, Wild Research – B.C., **Canada** (2011): spanning approx. 3 months during MSc thesis
- Coordinator, nature education project, Centre for Sustainability - Palawan, the **Philippines** (2010): 3 months

Other academic activities

Manuscript reviewer

Advances in the Study of Behavior, Animal Behaviour, Behavioral Ecology and Sociobiology, Behavioral Ecology, Behaviour, Current Zoology, Ethology, Ibis, Journal of Avian Biology, Journal of Ornithology, [Peerage of Science](#), PLoS ONE, Primates, Philosophical Transactions of the Royal Society B, Royal Society Open Science & Scientific Reports.

Seminar organisation and working group activities

- Associated member of the Biomove training group (2018-Current)
- Organising member of the IZW [‘Symposium Human-Wildlife relationships: coming from two sides’](#) (2018-Current)
- Leibniz-Postdoc representative IZW (2018-Current)
- Organising member of the IZW Academic Writing working group (2018-Current)
- Member and Twitter coordinator of [‘Animal Behaviour in Conservation’](#) working group of the international Society for Conservation Biology (SCB) (2018-Current)
- Member ‘Commissie Vleermuisvangen’ Dutch organisation that reviews applications for catching bats in the Netherlands (2018-Current)
- Member [Future For Nature Academy](#) (2016-Current)
- Member of the IGB Postdoc society (2017)
- Member of the IGB Open Access Fund working group (2017)
- Reviewer for submissions of oral presentations to the international WAFL conference (2017)
- Organising member of the [Wageningen Evolution and Ecology Seminars](#). I have hosted seminars and master classes for internationally renowned behavioural scientists. (2012-2016)
- Member of PhD selection committee at NIOO-KNAW (2013-2014)
- Coordinator, Behavioural Ecology Journal Club (2013)

Teaching experience

- Supervisor at Wageningen University & Research, Humboldt University: **11 MSc thesis students**, 4 BSc students (2012-Current)
- Coordinator: (online) teaching innovation Wageningen University & Research: Animal Behaviour Bachelor Course (2016)
- Teaching instructor: Introduction to Animal Behaviour, Massive Open Online Course (MOOC) on www.Edx.org (2016)
- Teaching assistant at Wageningen University & Research: Ecology of Animal Life Histories (2012, 2014), Behavioural Ecology (2012, 2013, 2015), Animal Behaviour (2015, 2016), Life History Evolution (2016)
- Workshop instructor: NVG Animal Personality PhD Masterclass (Leiden, 2015)

Society Memberships

- Association for the Study of Animal Behaviour (ASAB)
- International Society for Behavioural Ecology (ISBE)
- Netherlands Society for Behavioural Biology (NVG)
- Ethologische Gesellschaft
- Society for Conservation Biology (SCB)
- The Fisheries Society of The British Isles (FSBI)

Public outreach

Speaking for and interacting with the general public at: Dutch Bird Fair, Leibniz-Kolleg Science Slam, Open days NIOO, Open days WUR, SoapBox Science; Twents Carmelcollege de Thij; Wereld Haven Dagen Rotterdam; **Weblog writing:** [Beleef de Lente](#) Vogelbescherming NL (2012-2017), NIOO-KNAW 'Dr Ecologie' (2015-2016), personal website: www.lysannesnijders.com (2017-Current). **Popular science writing** and (radio) **interviews** (e.g. British Ornithological Union, Resource, Vogelbescherming Vlaanderen, [Vroege Vogels](#)). **Popular science vlogging:** NIOO-KNAW 'Dokter Ecologie', [TracesDreams](#); **Popular science news editor:** [Nature Today International](#) (2017-2018); **Online teaching** ([MOOC](#)); [Twitter](#) (2009-Current).

Cumulative **Altmetric** score December, 2018:

