

Dr Sylvie Vandenabeele

WORK EXPERIENCE

Research & technical assistant

Institute for Molecular Biology and Institute for Pharmacology, Universität Würzburg, Germany | Jan 2016 – Sept 2020 (temporary position)

- Involved in the development of innovative biological methods and models
- Supervised 5 undergraduate students during their research projects
- Ensured optimal work environment in the lab for all group members

Research associate

Forschungs- und Technologiezentrum Westküste Büsum, Kiel Universität, Germany | Jan 2015 – Apr 2015 (temporary position)

- Provided methodological advice as part of a project on bird flight pathways and potential conflicts with wind farms in the North Sea area (WINDBIRD project)

Post-doc researcher & consultant

Swansea University, United Kingdom | Apr 2013 – Nov 2014 (temporary position)

- Provided scientific and technical support to organisations worldwide (Oiled Wildlife Care Network (USA), Royal Netherlands Institute for Sea Research...) as to use bespoke minimal-impact tracking systems for various bird species

Student demonstrator & ambassador

Swansea University, United Kingdom | Jan 2010 – Mar 2013 (student job)

- Supervised and assisted undergraduate students during biology lectures
- Prepared and participated in open days and other public events for the university

EDUCATION

PhD Animal Biology

Swansea University, United Kingdom | Jan 2010 – Mar 2013

- 3- year research project supervised by Prof. Rory Wilson and supported by the Royal Society for the Prevention of Cruelty to Animals (RSPCA, UK charity) with the aim to develop minimal-impact tracking procedures for birds

M.Sc. Ecology

Université Montpellier 2, France | Sept 2008 – July 2009

M.Sc. Ethology & Eco-physiology

Université Louis Pasteur Strasbourg, France | Sept 2007 – June 2008

B.Sc. Biology

Université Aix-Marseille 2, France | Sept 2002 – June 2006

PUBLICATIONS

1. **Vandenabeele SP**, Wilson RP, Grogan A (2011) Tags on seabirds: how seriously are instrument-induced behaviours considered? *Animal Welfare* 20: 559-571
2. Grogan A, Wilson RP, **Vandenabeele SP** (2011) Implications of fitting monitoring devices to wild animals. *Veterinary Record* 169: 613-613
3. **Vandenabeele SP**, Shepard EL, Grogan A, Wilson RP (2012) When three per cent may not be three per cent; device-equipped seabirds experience variable flight constraints. *Marine Biology* 159: 1-14
4. Wilson RP, **Vandenabeele SP** (2012) Technological innovation in archival tags used in seabird research. *Marine Ecology Progress Series* 451: 245-262
5. **Vandenabeele SP**, Wilson RP, Wikelski M (2013) New tracking philosophy for birds. *Frontiers in Ecology and the Environment* 11: 10-12
6. Diley BJ, Davies D, Connan M, Cooper J, De Villiers M, Swart L, **Vandenabeele SP**, Ropert-Coudert Y, Ryan PG (2013) Giant petrels as predators of albatross chicks. *Polar Biology* 36: 761-766
7. **Vandenabeele SP**, Grundy E, Friswell M, Grogan A, Votier S, Wilson RP (2014) Excess baggage for birds: inappropriate placement of tags on gannets changes flight patterns. *PloS one*, 9: e92657
8. Fossette S, Gleiss AC, Chalumeau J, Bastian T, Armstrong CD, **Vandenabeele SP**, Karpytchev M, Hays GC (2015). Current-oriented swimming by jellyfish and its role in bloom maintenance. *Current Biology*, 25: 342-347
9. **Vandenabeele SP**, Shepard EL, Grémillet D, Butler PJ, GR Martin, Wilson RP (2015) Are bio-telemetric devices a drag? Effects of external tags on the diving behaviour of great cormorants. *Marine Ecology Progress Series*, 519: 239-249
10. Schihada H, **Vandenabeele SP**, Zabel U, Frank M, Lohse MJ, Maiellaro I (2018). A universal bioluminescence resonance energy transfer sensor design enables high-sensitivity screening of GPCR activation dynamics. *Communications Biology*, 1: 1-8

SKILLS & ABILITIES

Languages

- French (native) / English (fluent) / German (intermediate) / Spanish (basic)

Computer skills

- Data-analysis and statistical software (ORIGIN, Multitrace, SPSS, Prism, Rstudio)
- Bibliographic manager software (Mendeley, EndNote)
- 3D design software (Solidworks)
- Microsoft Office, Libre Office
- Windows, Mac and Linux OS

INTERESTS

Travelling, hiking, dancing, snorkelling, zero-waste and minimalist lifestyle