

Curriculum vitae

Personal Details

Name Dr. rer. nat. Sabine Nöbel
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Positions

Since 10/2018 Research Fellow at the Institut for Advanced Study in Toulouse (IAST)
11/2014-09/2018 Post doc in the Laboratoire Evolution & Diversité Biologique (EDB) at Université Toulouse III Paul Sabatier
07/2008 - 10/2014 Research Assistant in the Research Group of Ecology and Behavioral Biology, in the Section of Biology, in the Department Chemistry - Biology at the University of Siegen
04/2008 - 05/2008 Graduate Teaching Assistant in the Institute of Zoology at the Rheinische Friedrich-Wilhelms-Universität Bonn for support of a Biodiversity Course
04/2007 - 09/2007 Teaching Assistant in the Institute of Zoology at the Rheinische Friedrich-Wilhelms-Universität Bonn for diverse courses in the field of Neurobiology and Biodiversity of Vertebrates
03/2006 - 03/2007 Student Research Assistant in the Institute for Hygiene and Public Health at Uniklinikum Bonn: Parasitology survey of the Swist III-Project

Study

12/2008 - 10/2013 PhD student in the Research Group of Ecology and Behavioral Biology, in the Section of Biology, in the Department Chemistry - Biology at University of Siegen
PhD thesis "The role of public information in mate choice in the three closely related poeciliids *Poecilia latipinna*, *Poecilia mexicana* and *Poecilia formosa*", report: *magna cum laude*.
Supervised by Prof. Dr. K. Witte, leader of the Research Group of Ecology and Behavioral Biology, leader of the Section of Biology in the Department Chemistry - Biology at the University of Siegen
10/2007 Diploma in Biology in the disciplines Zoology, Botanic, Geography and ÖKUM, report: 1.4
Diploma thesis: "Untersuchung der Novelty response und Schnauzenorgan-response an *Gnathonemus petersii*", report: 1.3
Supervised by Prof. Dr. G. von der Emde in the Department of Zoology in the Research Group Neuroethology and Sensory Ecology, Rheinische Friedrich-Wilhelms-Universität Bonn
2004 - 2007 Additional Study - „ÖKUM“ (Ecology and Environment) at the Rheinische Friedrich-Wilhelms-Universität Bonn
10/2001 - 10/2007 Study of Biology (Diplom) at the Rheinische Friedrich-Wilhelms-Universität Bonn

Teaching Experience

- Co-supervision of 28 students during their internships (L2/L3, M1, M2, PhD, Staatsexamen) in Siegen and Toulouse

- Practical courses: Experiments in General Biology (University of Siegen, winter term 2013/14), Morphology in Animals (University of Siegen, winter term 2008/09 - 2012/13)
- Seminar: Mate-Choice Strategies in Animals (University of Siegen, winter term 2008/09 - 2010/11, 2012/13)
- Excursions to the Zoologische Forschungsmuseum Alexander Koenig and the Kölner Zoo (University of Siegen, winter term 2009/10, summer term 2010, 2012)

Grants

- European Marie Curie PRESTIGE grant (PRESTIGE-2014-1-0005)
- Scholarship from the equal opportunity commissioner (Gleichstellungsbeauftragte) of the University of Siegen, 2013
- Acquisition of donations for the 17th Graduate Meeting of Evolutionary Biology of the German Zoology Society (DZG) at University of Siegen in March 2012
- Travel grant from the DAAD for the participation at the „Behavior 2011“ in Bloomington, Indiana, USA
- Participation at the DAAD-Rise Program 2011 (Research Internships in Science and Engineering) (www.daad.de/rise/de/)

Other Activities

- Co-organization of the “14th Evolution & Behaviour” conference in Toulouse in May 2019
- Participation at the “MDIBL Environmental Genomics Workshop” at the University of Birmingham in January 2014
- Co-organization of the symposium “Social information and mate choice” at the “European Conference on Behavioural Biology 2012” at the University Duisburg-Essen in July 2012
- Co-organization of the 17th Graduate Meeting of Evolutionary Biology of the German Zoology Society (DZG) at University of Siegen in March 2012
- Public relations for the Section of Biology at the “Offene Uni” in June 2010 and 2011
- Mentor at CyberMentor (E-Mentoring for girls in natural science) 2010 - 2014 (www.cybermentor.de)

Membership of Societies

Association of the Study of Animal Behaviour (ASAB)
Cultural Evolution Society (CES)
Deutsche Zoologische Gesellschaft (DZG)
Early-career Social Learning Researchers (ESLR)
Ethologische Gesellschaft e.V.
International Society for Behavioral Ecology (ISBE)

Publication list

Publications

13. **Nöbel S**, Tariel J, Cristante M, Guell M, Roussigne M, Danchin E. No evidence for mate-copying in *Danio rerio* (in preparation).
12. **Nöbel S**, Wang X, Lille M, Tariel J, Talvard L, Cucherousset J, Roussigne M, Danchin E. Mate-copying in the Eastern mosquito fish *Gambusia holbrooki* (under review in *Behavioral Ecology*).
11. Monier M, **Nöbel S**, Danchin E, Isabel G. Dopamine and serotonin are both required for mate-copying in *Drosophila melanogaster*. (under review in ***Frontiers in Behavioral Neuroscience***).
10. Danchin E*, **Nöbel S***, Pocheville A*, Dagaëff A-C, Demay L, Alphand M, Ranty-Roby S, Gazagne E, van Renssen L, Monier M, Allain M, Isabel G. Conformist social learning in fruit flies predicts long-lasting mate-choice traditions (under minor revision in ***Science***).
9. Witte K, Baumgärtner K, Röhrig C, **Nöbel S** (2018) Test of the Deception Hypothesis in Atlantic Mollies *Poecilia mexicana* - Does the Audience Copy a Pretended Mate Choice of Others? ***Biology***, 7:40.
8. **Nöbel S**, Danchin E, Isabel G (2018) Mate-copying for a costly variant in *Drosophila melanogaster* females. ***Behavioral Ecology***, 29:1150–1156.
7. **Nöbel S**, Allain M, Isabel G, Danchin E (2018) Mate-copying in *Drosophila melanogaster* males. ***Animal Behaviour***, 141:9-15.
6. Monier M, **Nöbel S**, Isabel G, Danchin E. Female competition in mate-copying along a sex-ratio gradient in *Drosophila melanogaster*. ***Current Zoology*** 64:251-258.
5. Dagaëff A-C, Pocheville A, **Nöbel S**, Loyau AL, Isabel G, Danchin E (2016) *Drosophila* mate copying correlates with atmospheric pressure in a speed learning situation. ***Animal Behaviour*** 121, 163-174.
4. **Nöbel S**, Witte K (2013) Public information influences sperm transfer to females in sailfin molly males. ***PLOS ONE*** 8(1):e53865.
3. Witte K, **Nöbel S** (2011) Learning and mate choice. In: Brown C, Laland K, Krause J, eds. *Fish Cognition and Behavior*. Wiley-Blackwell, New York, pp. 81-107.
2. Engelmann J*, **Nöbel S***, Röver T, von der Emde G (2009) The Schnauzenorgan-response of *Gnathonemus petersii*. ***Frontiers in Zoology*** 6:21.
1. Pusch R, von der Emde G, Hollmann M, Bacelo J, **Nöbel S**, Grant K, Engelmann J (2008) Active sensing in a mormyrid fish? Electric images and peripheral modifications of the signal carrier give evidence of dual foveation. ***Journal of Experimental Biology*** 211:921-934.

Talks at national and international conferences

- Nöbel S**, Danchin E, Isabel G (2017) Mate-copying for a costly variant in *Drosophila melanogaster* females. EVLIN Meeting, Toulouse, France.
- Nöbel S**, Danchin E, Isabel G (2017) Mate-copying of a natural trait in *Drosophila melanogaster* females.
- Etho2017, Bonn, Germany.
 - Behavior2017, Estoril, Portugal.
- Nöbel S**, Baumgärtner K, Röhrig C, Witte K (2012) Love pretender and costs of mate-choice copying in Atlantic molly males and females, *Poecilia mexicana*.
- 6th European Conference on Behavioural Biology 2012, Essen, Germany.

- ASAB Winter Meeting, London, UK.
- 105th Meeting of the German Zoological Society, DZG, Saarbrücken, Germany.
- Behavior 2011, Bloomington, Indiana, USA.
- Round table Mate-choice copying, Bloomington, Indiana, USA.

Nöbel S, Baumgärtner K, Witte K (2011) Love pretender and costs of mate-choice copying in Atlantic molly males (*Poecilia mexicana*). 16th PhD Meeting of Evolutionary Biology of the DZG, Bielefeld, Germany.

Nöbel S, Armbrust M, Witte K (2010) Do sailfin molly males adjust sperm transfer to mate-choice copying?

- 103rd Meeting of the German Zoological Society, DZG, Hamburg, Germany.
- 5th European Conference on Behavioural Biology 2010, Ferrara, Italy.

Nöbel S, Schneider E, Witte K (2010) Audience matters in male and female sailfin mollies, *Poecilia latipinna*.

- 4th European Conference of Poeciliid Biologists, St. Andrews, Scotland.
- 5th Topical Meeting of the Ethologische Gesellschaft, Berlin, Germany.

Nöbel S, David M, Witte K (2010) Atlantic molly males *Poecilia mexicana* copy each others mate choice. 15th PhD Meeting of Evolutionary Biology of the DZG, Freiburg, Germany.

Nöbel S (2008) The Schnauzenorgan-response and the electrosensitive fovea of *Gnathonemus petersii*. Neurobiology Workshop: Aachen-Bonn-Cologne, University of Cologne, Germany.

Poster

Nöbel S, Isabel G, Danchin E. (2017) Fruit flies conform in love. 110th Meeting of the German Zoological Society, DZG, Bielefeld, Germany.

Nöbel S, Allain M, Danchin E, Isabel G (2016) Mate-copying in *Drosophila melanogaster* males. 109th Meeting of the German Zoological Society, DZG, Kiel, Germany.

Nöbel S, Witte K (2013) Public information influences sperm transfer to females in sailfin molly males. 106th Meeting of the German Zoological Society, DZG, Konstanz, Germany.

Witte K, David M, Nöbel S (2010) Male *Poecilia mexicana* copy each others mate choice. 5th Topical Meeting of the Ethologische Gesellschaft, Berlin, Germany.

Nöbel S, Witte K (2009) Mate-choice copying and the effect of lateralisation in three species of Poeciliids. 102nd Meeting of the German Zoological Society, DZG, Regensburg, Germany.

Nöbel S, von der Emde G, Engelmann J (2007) The Schnauzenorgan-response of *Gnathonemus petersii*. 100th Meeting of the German Zoological Society, DZG, Cologne, Germany.

Nöbel S, von der Emde G, Pusch R, Engelmann J (2007) The Schnauzenorgan-response of *Gnathonemus petersii*. Electrosensory Systems: Satellite Meeting to 8th International Congress of Neuroethology, Vancouver, Canada.