DANIEL LEWANZIK

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Curriculum Vitae

Personal data

Date of birth:	7 January 1983 in Berlin, Germany

Education & Professional Experience

Since September 2019	**PostDoc** "*Citizen science project 'WTimpact'*" PIs: Dr. Miriam Brandt & PD Dr. Christian C. Voigt Evolutionary Ecology, Leibniz Inst. for Zoo and Wildlife Research, Berlin, Germany
May 2014 – Sep 2019	**Associate Researcher** "*Dynamics of Biosonar*" PI: Dr. Holger R. Goerlitz Acoustic and Funct. Ecology, Max Planck Inst. f. Ornithology, Seewiesen, Germany
Jun 2010 – Sep 2017	**Doctorate (Dr. rer. nat.)** "*Effects of artificial light at night on bats*" Supervisor: PD Dr. Christian C. Voigt Evolutionary Ecology, Leibniz Instit. for Zoo and Wildlife Research, Berlin, Germany & Freie Universität, Berlin, Germany
Sep 2009 – Apr 2010	**Assistant head conference organiser** „2nd Berlin Bat Meeting: Bat Biology and Infectious Diseases" Leibniz Institute for Zoo und Wildlife Research, Berlin, Germany
Oct 2003 – Sep 2009	**Diploma thesis (Dipl. Biol.)** "*Ecological factors influencing the hormonal stress response of Neotropical bats*" Supervisors: PD Dr. Rolf Schneider & PD Dr. Christian C. Voigt Humboldt University, Berlin, Germany & Evolutionary Ecology, Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany GPA 1.1 (scale 1 – 4, best 1). Thesis: 1.0

Publications

I. *Peer-reviewed*

Lewanzik D, Sundaramurthy AK, Goerlitz HR (2019) Insectivorous bats integrate social information about species identity, conspecific activity and prey abundance to estimate cost–benefit ratio of interactions. **J Anim Ecol** 88: 1462-1473.

Lewanzik D, Goerlitz HR (2018) Continued source level reduction during attack in the low-amplitude bat *Barbastella barbastellus* prevents moth evasive flight. **Funct Ecol** 32: 1251-1261.

Lewanzik D, Voigt CCV (2017) Transition from conventional to light-emitting diode street lighting changes activity of urban bats. **J Appl Ecol** 54: 264-271.

Holzhauer SIJ, Franke S, Kyba CCM, Manfrin A, Klenke R, Voigt CC, Lewanzik D, Oehlert M, Monaghan MT, Schneider S, Heller S, Kuechly H, Brüning A, Honnen AC, Hölker F (2015) *Out of the dark: establishing a large-scale field experiment to assess the effects of artificial light at night on species and food webs*. **Sustainability** 7: 15593-15616.

Lewanzik D, Voigt CC (2014) *Artificial light puts ecosystem services of frugivorous bats at risk*. **J Appl Ecol** 51: 388-394.

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Publications (continued)

Lewanzik D, Voigt CC (2014) *Artificial light puts ecosystem services of frugivorous bats at risk*. **J Appl Ecol** 51: 388-394.

Voigt CC, Lewanzik D (2012) *'No cost of echolocation for flying bats' revisited*. **J Comp Physiol B** 182: 831-40.

Lewanzik D, Kelm DH, Greiner S, Dehnhard M, Voigt CC (2012) *Ecological correlates of cortisol levels in two bat species with contrasting feeding habits*. **Gen Comp Endocrinol** 177: 104-112.

Voigt CC, Schneeberger K, Voigt-Heucke SL, Lewanzik D (2011) *Rain increases the energy cost of bat flight*. **Biol Lett** 7: 793-795.

Voigt CC, Lewanzik D (2011) *Trapped in the darkness of the night: thermal and energetic constraints of daylight flight in bats*. **Proc R Soc B** 278: 2311-2317.

II. *Non peer-reviewed*

Voigt, C.C, C. Azam, J. Dekker, J. Ferguson, M. Fritze, S. Gazaryan, F. Hölker, G. Jones, N. Leader, D. Lewanzik, H.J.G.A. Limpens, F. Mathews, J. Rydell, H. Schofield, K. Spoelstra, M. Zagmajster (2018): **Guidelines for consideration of bats in lighting projects. EUROBATS Publication Series No. 8**. UNEP/EUROBATS Secretariat, Bonn, Germany, 62 pp.

Rowse EG, Lewanzik D (Rowse EG and Lewanzik D: equal contributors), Stone EL, Harris S, Jones G (2016) *Dark matters: the effects of artificial lighting on bats*. In: Voigt CC, Kingston T (eds.) **Bats in the Anthropocene: conservation of bats in a changing World**, pp 187-213, Springer International Publishing, Cham, Switzerland.

Lewanzik D, Müller O. (2014) *Künstliches Licht und Fledermäuse – ein zweischneidiges Schwert*. **Praxis Naturwissenschaften Biologie in der Schule - Lichtverschmutzung**, 7, 24-31.

Lewanzik D, Voigt CC (2013) *Lichtverschmutzung und die Folgen für Fledermäuse*. In: Held M, Hölker F, Jessel B (Hg.) **Schutz der Nacht – Lichtverschmutzung, Biodiversität und Nachtlandschaft, BfN-Skripten 336**, pp. 65-68, Bundesamt für Naturschutz.

Awards

2016	1600 EUR conference travel grant of the German Research Foundation (DFG)
2015	Award for the 2nd best student oral presentation at the 4th International Berlin Bat Meeting, Berlin, Germany
2013	Award for the 3rd best overall poster at the 9th International Conference on Behaviour, Physiology and Genetics of Wildlife, Berlin, Germany
2012	Maria Sibylla Merian Award for the 2nd best poster at the Annual Conference of the Society for Tropical Ecology (GTÖ), Erlangen, Germany

Talks & poster

2009 - 2019	9 invited talks, 19 conference talks, 11 conference poster, numerous newspaper and radio interviews and other public project presentations

Affiliations

Bat Conservation International, German Zoological Society (DZG), International Dark-Sky Association (IDA), International Society for Behavioral Ecology (ISBE), Arbeitsgemeinschaft Fledermausschutz Baden-Württemberg e.V. (AGF)