

Curriculum Vitae & List of Publications

Contact

Dr. Renke Lühken Bernhard Nocht Institute for Tropical Medicine Research Group Arbovirus
Ecology & Research Group Vector Control
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Education

2011–2015 PhD, Dr. rer. nat., Carl von Ossietzky University Oldenburg.
Final grade (summa cum laude); Dissertation prize, awarded by the Faculty of Mathematics and Natural Sciences for an outstanding dissertation.

2010 Study abroad, Ecology, Massey University, New Zealand.
Finished all visited papers with first class pass (A–).

2008–2011 Master of Science, Landscape Ecology, Carl von Ossietzky University Oldenburg.
Final grade (1.19).

2004–2008 Bachelor of Science, Environmental Sciences, Carl von Ossietzky University Oldenburg.
Final grade (1.64).

Research Experience

2022–present Head of the Research Group Vector Control, Bernhard Nocht Institute for Tropical Medicine Hamburg.

2020–present Head of the BMBF Junior Research Group Arbovirus Ecology, Department of Arbovirology and Entomology, Bernhard Nocht Institute for Tropical Medicine Hamburg.

2019–2020 PostDoc, Research group Arbovirology, University of Hamburg.

2015–2019 PostDoc, Research group Arbovirology, Bernhard Nocht Institute for Tropical Medicine Hamburg.

Third-Party Funding Since 2020

Period	Project	Funder	Amount
2026–2029	Vector-borne disease modelling in Germany — preparing for contemporary and future risk	German Federal Ministry of Education and Research	Own share of €316,595; team of 5 PIs
2025–2029	Climate warming impacts on mosquito transmission traits and control	German Federal Ministry of Education and Research	€1,600,000; sole PI
2024–2027	Climate resilience, and climate vulnerabilities, of mating behaviours in mosquitoes	Leibniz Association	Own share of €250,000; team of 2 PIs
2023–2027	Mosquito research in Germany (CuliFo3)	German Federal Ministry of Agriculture and Food	Own share of €200,000; team of 17 PIs
2022	Early warning system for mosquito-borne diseases	Prize awarded by the European Commission	BNITM share of €100,000; team of 15 PIs
2021–2026	Vector control against emerging viruses transmitted by mosquitoes in the course of global warming	German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection	€346,500; sole PI
2021–2022	West Nile virus in Europe and USA — Findings for preventive healthcare in Germany	German Federal Ministry of Health	Own share of €85,768; team of 2 PIs
2021–2022	Alternative methods for the control of mosquitoes	German Federal Ministry of Health	Own share of €195,033; team of 2 PIs
2020–2025	Near-real time decision tool to respond against emerging mosquito-borne diseases	German Federal Ministry of Education and Research	€1,759,700; sole PI

Period	Project	Funder	Amount
2020–2022	Diversity Components in Mosquito-Borne Diseases in Face of Climate Change	Federal Ministry of Education and Research	Own share of €255,857; team of 5 PIs

Publications

Full list of publications available on [Google Scholar](#).

Google Scholar metrics: Citations = 3,736 · h-index = 34 · i10-index = 78

2026

101: Loc DH, Şuleşco T, Sauer FG, Schmidt-Chanasit J, Velavan TP, **Lühken R**. *Host- feeding patterns of mosquitoes across land use types and regions in Vietnam and its implications for mosquito-borne disease transmission*. Acta Trop. 2026 Mar;275:108001. doi: 10.1016/j.actatropica.2026.108001. Epub 2026 Jan 30. PMID: 41620165.

2025

100: Patzina-Mehling C, Kopp A, Rauhöft L, Şuleşco T, Jones TC, Drosten C, Sauer FG, **Lühken R**, Junglen S. *Genomic surveillance indicates high site-specific heterogeneity of West Nile virus in mosquitoes in rural regions of Germany across seasons*. One Health. 2025 Aug 21;21:101179. doi: 10.1016/j.onehlt.2025.101179. PMID: 41492287; PMCID: PMC12765102.

99: Agboli E, Zahouli JZB, Sauer FG, Sombie A, Biré YN, Adjobi CN, Cadar D, Horváth B, Tomazatos A, Schmidt-Chanasit J, **Lühken R**, Tóth GE, Badolo A, Jöst H. *Morphological and Genetic Heterogeneity in Aedes aegypti (Diptera: Culicidae) Populations Across Diverse Landscapes in West Africa*. Ecol Evol. 2025 Dec 17;15(12):e72748. doi: 10.1002/ece3.72748. PMID: 41415319; PMCID: PMC12710532.

98: Nolte K, Baumbach J, Lins C, Lohmann JJG, Kollmannsberger P, Sauer FG, Lühken R. *Potentials and limitations in the application of Convolutional Neural Networks for mosquito species identification using wing images*. PLoS Comput Biol. 2025 Sep 5;21(9):e1013435. doi: 10.1371/journal.pcbi.1013435. PMID: 40911551; PMCID: PMC12412992.

97: Höller P, **Lühken R**, Sauer FG, Villacañas de Castro C, Becker N, Jöst H, Pfitzner WP, Schmidt-Chanasit J, Heitmann A, Jansen S. *Vector competence of mosquitoes from Europe for Tahyna virus*. Sci Rep. 2025 Jul 11;15(1):25092. doi: 10.1038/s41598-025-10883-5. PMID: 40646163; PMCID: PMC12254378.

96: Jansen S, **Lühken R**, Höller P, Mack A, Lange U, Jöst H, Becker N, Heitmann A. *Risk Assessment of Oropouche Virus Transmission by Mosquitoes in Europe*. J Infect Dis. 2025 Dec 20;232(6):e916-e919. doi: 10.1093/infdis/jiaf356. PMID: 40626677; PMCID: PMC12718038.

- 95: Villacañas de Castro C, Musculus J, Timmermann E, **Lühken R**, Kiel E, Sauer FG. *Carry-over effects in Culex species along a land use gradient with differences in microclimatic conditions.* Parasit Vectors. 2025 Jul 4;18(1):256. doi: 10.1186/s13071-025-06903-y. PMID: 40616160; PMCID: PMC12228285.
- 94: Hattendorf C, **Lühken R**. *Vectors, host range, and spatial distribution of Dirofilaria immitis and D. repens in Europe: a systematic review.* Infect Dis Poverty. 2025 Jul 2;14(1):58. doi: 10.1186/s40249-025-01328-2. PMID: 40604914; PMCID: PMC12217203.
- 93: Bourquia M, Zahri A, Ahlamine M, Balenghien T, Meyer P, Sauer FG, **Lühken R**. *First molecular confirmation of the presence of Hippobosca longipennis (Diptera: Hippoboscidae) and infestation of sheltered dogs in Morocco.* Parasit Vectors. 2025 May 27;18(1):193. doi: 10.1186/s13071-025-06830-y. PMID: 40426188; PMCID: PMC12107861.
- 92: Jansen S, Cedar D, Hey JC, Helms M, Lange U, Horváth B, Jöst H, Pfitzner W-P, Schmidt-Chanasit J, **Lühken R**, Heitmann A. *The impact of temperature and insect-specific viruses on the transmission of alphaviruses by Aedes japonicus japonicus.* Microbiol Spectr. 2025 Jun 3;13(6):e0266824. doi: 10.1128/spectrum.02668-24. Epub 2025 Apr 30. PMID: 40304470; PMCID: PMC12131847.

- 91: Nolte K, Agboli E, Garcia GA, Badolo A, Becker N, Loc DH, Dworrak TV, Eguchi J, Eisenbarth A, de Freitas RM, Doumna-Ndalembouly AG, Heitmann A, Jansen S, Jöst A, Jöst H, Kiel E, Meyer A, Pfitzner WP, Saathoff J, Schmidt-Chanasit J, Sulesco T, Tokatlian A, Velavan TP, Villacañas de Castro C, Wehmeyer ML, Zahouli J, Sauer FG, **Lühken R**. *Comprehensive Mosquito Wing Image Repository for Advancing Research on Geometric Morphometric- and AI-Based Identification.* Sci Data. 2025 Apr 29;12(1):715. doi: 10.1038/s41597-025-05043-3. PMID: 40301348; PMCID: PMC12041405.

2024

- 90: **Lühken R**, Rauhöft L, Pluskota B, Lange U, Helms M, Becker N, Schmidt-Chanasit J, Kuhn C, Tannich E, Jansen S, Heitmann A. *High vector competence for chikungunya virus but heavily reduced locomotor activity of Aedes albopictus from Germany at low temperatures.* Parasit Vectors. 2024 Dec 4;17(1):502. doi: 10.1186/s13071-024-06594-x. PMID: 39633401; PMCID: PMC11619113.
- 89: Schopf F, Sadeghi B, Bergmann F, Fischer D, Rahner R, Müller K, Günther A, Globig A, Keller M, Schwehn R, Guddorf V, Reuschel M, Fischer L, Krone O, Rinder M, Schütte K, Schmidt V, Heenemann K, Schwarzer A, Fast C, Sauter-Louis C, Staubach C, **Lühken R**, Schmidt-Chanasit J, Brandes F, Lierz M, Korbel R, Vahlenkamp TW, Groschup MH, Ziegler U. *Circulation of West Nile virus and Usutu virus in birds in Germany, 2021 and 2022.* Infect Dis (Lond). 2025 Mar;57(3):256-277. doi: 10.1080/23744235.2024.2419859. Epub 2024 Nov 9. PMID: 39520671.
- 88: Grabow M, Ullmann W, Landgraf C, Sollmann R, Scholz C, Nathan R, Toledo S, **Lühken R**, Fickel J, Jeltsch F, Blaum N, Radchuk V, Tiedemann R, Kramer-Schadt S. ***Sick without signs. Subclinical infections reduce local movements, alter habitat selection, and cause demographic shifts.* Commun Biol. 2024 Nov 1;7(1):1426. doi: 10.1038/s42003-024-07114-4. PMID: 39487334; PMCID: PMC11530534.
- 87: Hattendorf C, Cedar D, Bosch S, Becker N, Lachmann L, Schmidt-Chanasit J, Heitmann A, **Lühken R**. *Weak association of Usutu virus and haemosporidian infection in birds collected in*

Germany. One Health. 2024 Aug 2;19:100868. doi: 10.1016/j.onehlt.2024.100868. PMID: 39247760; PMCID: PMC11378720.

- 86: Nolte K, Sauer FG, Baumbach J, Kollmannsberger P, Lins C, **Lühken R**. *Robust mosquito species identification from diverse body and wing images using deep learning*. Parasit Vectors. 2024 Sep 2;17(1):372. doi: 10.1186/s13071-024-06459-3. PMID: 39223629; PMCID: PMC11370291.
- 85: Wehmeyer ML, Jaworski L, Jöst H, Şuleşco T, Rauhöft L, Afonso SMM, Neumann M, Kliemke K, Lange U, Kiel E, Schmidt-Chanasit J, Sauer FG, **Lühken R**. **Host attraction and host feeding patterns indicate generalist feeding of *Culex pipiens* s.s. and *Cx. torrentium*. Parasit Vectors. 2024 Aug 30;17(1):369. doi: 10.1186/s13071-024-06439-7. PMID: 39215365; PMCID: PMC11363403.
- 84: Vanslembrouck A, Jansen S, De Witte J, Janssens C, Vereecken S, Helms M, Lange U, **Lühken R**, Schmidt-Chanasit J, Heitmann A, Müller R. *Larval Competition between Aedes and Culex Mosquitoes Carries over to Higher Arboviral Infection during Their Adult Stage*. Viruses. 2024 Jul 26;16(8):1202. doi: 10.3390/v16081202. PMID: 39205176; PMCID: PMC11359221.
- 83: Rauhöft L, Şuleşco T, Martins Afonso SM, Schmidt-Chanasit J, Jöst H, Sauer FG, **Lühken R**. *Large-scale performance assessment of the BG-Counter 2 used with two different mosquito traps*. Parasit Vectors. 2024 Jun 27;17(1):273. doi: 10.1186/s13071-024-06338-x. PMID: 38937756; PMCID: PMC11209956.
- 82: Heitmann A, Wehmeyer ML, **Lühken R**, Kliemke K, Jöst H, Becker N, Helms M, Schmidt-Chanasit J, Jansen S. *Evaluation of the vector competence for Batai virus of native Culex and exotic Aedes species in Central Europe*. Parasit Vectors. 2024 May 15;17(1):223. doi: 10.1186/s13071-024-06296-4. PMID: 38750581; PMCID: PMC11094933.
- 81: Maciel-de-Freitas R, Sauer FG, Kliemke K, Garcia GA, Pavan MG, David MR, Schmidt-Chanasit J, Hoffmann A, **Lühken R**. *Wolbachia strains wMel and wAlbB differentially affect Aedes aegypti traits related to fecundity*. Microbiol Spectr. 2024 Apr 2;12(4):e0012824. doi: 10.1128/spectrum.00128-24. Epub 2024 Mar 14. PMID: 38483475; PMCID: PMC10986601.
- 80: Jansen S, Höller P, Helms M, Lange U, Becker N, Schmidt-Chanasit J, **Lühken R**, Heitmann A. *Mosquitoes from Europe Are Able to Transmit Snowshoe Hare Virus*. Viruses. 2024 Jan 31;16(2):222. doi: 10.3390/v16020222. PMID: 38399996; PMCID: PMC10893336.
- 79: Sauer FG, Werny M, Nolte K, Villacañas de Castro C, Becker N, Kiel E, Lühken R. *A convolutional neural network to identify mosquito species (Diptera: Culicidae) of the genus Aedes by wing images*. Sci Rep. 2024 Feb 7;14(1):3094. doi: 10.1038/s41598-024-53631-x. PMID: 38326355; PMCID: PMC10850211.
- 78: Duve P, Charles S, Munyakazi J, **Lühken R**, Witbooi P. *A mathematical model for malaria disease dynamics with vaccination and infected immigrants*. Math Biosci Eng. 2024 Jan;21(1):1082-1109. doi: 10.3934/mbe.2024045. Epub 2022 Dec 22. PMID: 38303455.

2023

- 77: Kniha E, Dvořák V, Koblmüller S, Prudhomme J, Ivović V, Hoxha I, Oerther S, Heitmann A, **Lühken R**, Bañuls AL, Sereno D, Michelutti A, Toniolo F, Alarcón- Elbal PM, Bravo-Barriga D, González MA, Lucientes J, Colella V, Otranto D, Bezerra-Santos MA, Kunz G, Obwaller AG, Depaquit J, Alić A, Kasap OE, Alten B, Omeragic J, Volf P, Walochnik J, Sebestyén V, Trájer AJ. *Reconstructing the post-glacial spread of the sand fly Phlebotomus mascittii Grassi, 1908 (Diptera: Psychodidae)*. Parasit Vectors. 2023 Oct 20;16(1):537. doi: 10.1186/s13071-023-05670-7. PMID: 37808300; PMCID: PMC10000000.

Psychodidae) in Europe. Commun Biol. 2023 Dec 8;6(1):1244. doi: 10.1038/s42003-023-05616-1. PMID: 38066195; PMCID: PMC10709326.

76: **Lühken R**, Brattig N, Becker N. *Introduction of invasive mosquito species into Europe and prospects for arbovirus transmission and vector control in an era of globalization.* Infect Dis Poverty. 2023 Nov 30;12(1):109. doi: 10.1186/s40249-023-01167-z. PMID: 38037192; PMCID: PMC10687857.

75: Sauer FG, Pfitzner WP, Jöst H, Rauhöft L, Kliemke K, Lange U, Heitmann A, Jansen S, **Lühken R**. *Using geometric wing morphometrics to distinguish *Aedes japonicus japonicus* and *Aedes koreicus*.* Parasit Vectors. 2023 Nov 15;16(1):418. doi: 10.1186/s13071-023-06038-y. PMID: 37968721; PMCID: PMC10648383.

74: **Lühken R**, Becker N, Dyczko D, Sauer FG, Kliemke K, Schmidt-Chanasit J, Rydzanicz K. *First record of *Anopheles (Anopheles) hyrcanus* (Pallas 1771) (Diptera: Culicidae) in Poland.* Parasit Vectors. 2023 Oct 4;16(1):345. doi: 10.1186/s13071-023-05974-z. PMID: 37794496; PMCID: PMC10552365.

73: Hounkanrin G, Tchibozo C, Sauer FG, Agboli E, Schmidt-Chanasit J, Yadouleton A, **Lühken R**, Jöst H. *Genetic diversity and wing geometric morphometrics among four populations of *Aedes aegypti* (Diptera: Culicidae) from Benin.* Parasit Vectors. 2023 Sep 9;16(1):320. doi: 10.1186/s13071-023-05943-6. PMID: 37684701; PMCID: PMC10492319.

72: Sauer FG, Lange U, Schmidt-Chanasit J, Kiel E, Wiatrowska B, Myczko Ł, **Lühken R**. *Overwintering *Culex torrentium* in abandoned animal burrows as a reservoir for arboviruses in Central Europe.* One Health. 2023 May 29;16:100572. doi: 10.1016/j.onehlt.2023.100572. PMID: 37363228; PMCID: PMC10288133.

71: Jansen S, Heitmann A, Uusitalo R, Korhonen EM, **Lühken R**, Kliemke K, Lange U, Helms M, Kirjalainen L, Nykänen R, Gregow H, Pirinen P, Rossini G, Vapalahti O, Schmidt-Chanasit J, Huhtamo E. *Vector Competence of Northern European *Culex pipiens* Biotype pipiens and *Culex torrentium* to West Nile Virus and Sindbis Virus.* Viruses. 2023 Feb 21;15(3):592. doi: 10.3390/v15030592. PMID: 36992301; PMCID: PMC10056470.

70: Miranda MÁ, Barceló C, Arnoldi D, Augsten X, Bakran-Lebl K, Balatsos G, Bengoa M, Bindler P, Boršová K, Bourquía M, Bravo-Barriga D, Čabanová V, Caputo B, Christou M, Delacour S, Eritja R, Fassi-Fihri O, Ferraguti M, Flacio E, Frontera E, Fuehrer HP, García-Pérez AL, Georgiades P, Gewehr S, Goiri F, González MA, Gschwind M, Gutiérrez-López R, Horváth C, Ibáñez-Justicia A, Jani V, Kadriaj P, Kalan K, Kavran M, Klobucar A, Kurucz K, Lucientes J, **Lühken R**, Magallanes S, Marini G, Martinou AF, Michelutti A, Mihalca AD, Montalvo T, Montarsi F, Mourelatos S, Muja-Bajraktari N, Müller P, Notarides G, Osório HC, Oteo JA, Oter K, Pajović I, Palmer JRB, Petrinic S, Răileanu C, Ries C, Rogozi E, Ruiz-Arrondo I, Sanpera-Calbet I, Sekulić N, Sevim K, Sherifi K, Silaghi C, Silva M, Sokolovska N, Soltész Z, Sulesco T, Šušnjar J, Teekema S, Valsecchi A, Vasquez MI, Velo E, Michaelakis A, Wint W, Petrić D, Schaffner F, Della Torre A; Consortium AIM-COST/AIM-Surv. *AIMSurv: First pan-European harmonized surveillance of *Aedes* invasive mosquito species of relevance for human vector-borne diseases.* GigaByte. 2022 May 31;2022:gigabyte57. doi: 10.46471/gigabyte.57. PMID: 36824512; PMCID: PMC9930523.

69: Tolsá-García MJ, Wehmeyer ML, **Lühken R**, Roiz D. **Worldwide transmission and infection risk of mosquito vectors of West Nile, St. Louis encephalitis, Usutu and Japanese encephalitis viruses: a systematic review. Sci Rep. 2023 Jan 6;13(1):308. doi: 10.1038/s41598-022-27236-1. PMID: 36609450; PMCID: PMC9822987.

2022

- 68: Jansen S, **Lühken R**, Helms M, Pluskota B, Pfitzner WP, Oerther S, Becker N, Schmidt-Chanasit J, Heitmann A. *Vector Competence of Mosquitoes from Germany for Sindbis Virus*. Viruses. 2022 Nov 26;14(12):2644. doi: 10.3390/v14122644. PMID: 36560650; PMCID: PMC9785343.
- 67: Tchibozo C, Hounkanrin G, Yadouleton A, Bialonski A, Agboli E, **Lühken R**, Schmidt-Chanasit J, Jöst H. *Surveillance of arthropod-borne viruses in Benin, West Africa 2020-2021: detection of dengue virus 3 in Aedes aegypti (Diptera: Culicidae)*. Mil Med Res. 2022 Nov 14;9(1):64. doi: 10.1186/s40779-022-00425-9. PMID: 36372882; PMCID: PMC9661747.
- 66: Agboli E, Tomazatos A, Maiga-Ascofaré O, May J, **Lühken R**, Schmidt-Chanasit J, Jöst H. *Arbovirus Epidemiology: The Mystery of Unnoticed Epidemics in Ghana, West Africa*. Microorganisms. 2022 Sep 27;10(10):1914. doi: 10.3390/microorganisms10101914. PMID: 36296190; PMCID: PMC9610185.
- 65: Sauer FG, Kiel E, **Lühken R**. *Effects of mosquito resting site temperatures on the estimation of pathogen development rates in near-natural habitats in Germany*. Parasit Vectors. 2022 Oct 25;15(1):390. doi: 10.1186/s13071-022-05505-2. PMID: 36280850; PMCID: PMC9594938.
- 64: Menegon M, Tomazatos A, Severini F, Raele DA, Lilja T, Werner D, Boccolini D, Toma L, Vasco I, **Lühken R**, Kampen H, Cafiero MA, Di Luca M. *Molecular Characterization of Anopheles algeriensis Theobald, 1903 (Diptera: Culicidae) Populations from Europe*. Pathogens. 2022 Aug 30;11(9):990. doi: 10.3390/pathogens11090990. PMID: 36145422; PMCID: PMC9505642.
- 63: Sauer FG, Timmermann E, Lange U, **Lühken R**, Kiel E. *Effects of Hibernation Site, Temperature, and Humidity on the Abundance and Survival of Overwintering Culex pipiens pipiens and Anopheles messeae (Diptera: Culicidae)*. J Med Entomol. 2022 Nov 16;59(6):2013-2021. doi: 10.1093/jme/tjac139. PMID: 36130183; PMCID: PMC9667720.
- 62: Fynmore N, **Lühken R**, Kliemke K, Lange U, Schmidt-Chanasit J, Lurz PWW, Becker N. *Honey-baited FTA cards in box gravid traps for the assessment of Usutu virus circulation in mosquito populations in Germany*. Acta Trop. 2022 Nov;235:106649. doi: 10.1016/j.actatropica.2022.106649. Epub 2022 Aug 11. PMID: 35963312.
- 61: Becker N, Langentepe-Kong SM, Tokatlian Rodriguez A, Oo TT, Reichle D, **Lühken R**, Schmidt-Chanasit J, Lüthy P, Puggioli A, Bellini R. *Integrated control of Aedes albopictus in Southwest Germany supported by the Sterile Insect Technique*. Parasit Vectors. 2022 Jan 5;15(1):9. doi: 10.1186/s13071-021-05112-7. Erratum in: Parasit Vectors. 2022 Feb 18;15(1):60. doi: 10.1186/s13071-022-05177-y. PMID: 34983608; PMCID: PMC8727083.
- 60: Jansen S, Cadar D, **Lühken R**, Pfitzner WP, Jöst H, Oerther S, Helms M, Zibrat B, Kliemke K, Becker N, Vapalahti O, Rossini G, Heitmann A. *Vector Competence of the Invasive Mosquito Species Aedes koreicus for Arboviruses and Interference with a Novel Insect Specific Virus*. Viruses. 2021 Dec 14;13(12):2507. doi: 10.3390/v13122507. PMID: 34960776; PMCID: PMC8704790.
- 59: Jaworski L, Sauer F, Jansen S, Tannich E, Schmidt-Chanasit J, Kiel E, Lühken R. *Artificial resting sites: An alternative sampling method for adult mosquitoes*. Med Vet Entomol. 2022 Jun;36(2):139-148. doi: 10.1111/mve.12559. Epub 2021 Nov 25. PMID: 34825399.
- 58: Şuleşco T, Buşmachi G, Lange U, Schmidt-Chanasit J, **Lühken R**. *The first record of the invasive mosquito species Aedes albopictus in Chişinău, Republic of Moldova, 2020*. Parasit Vectors. 2021 Nov 3;14(1):565. doi: 10.1186/s13071-021-05060-2. PMID: 34732241; PMCID: PMC8565072.

2021

- 57: Fynmore N, **Lühken R**, Maisch H, Risch T, Merz S, Kliemke K, Ziegler U, Schmidt-Chanasit J, Becker N. *Rapid assessment of West Nile virus circulation in a German zoo based on honey-baited FTA cards in combination with box gravid traps.* Parasit Vectors. 2021 Sep 6;14(1):449. doi: 10.1186/s13071-021-04951-8. PMID: 34488835; PMCID: PMC8419893.
- 56: Tomazatos A, von Possel R, Pekarek N, Holm T, Rieger T, Baum H, Bialonski A, Maranda I, Erdelyi-Molnár I, Spînu M, **Lühken R**, Jansen S, Emmerich P, Schmidt-Chanasit J, Cadar D. *Discovery and genetic characterization of a novel orthenairovirus in Ixodes ricinus ticks from Danube Delta.* Infect Genet Evol. 2021 Mar;88:104704. doi: 10.1016/j.meegid.2021.104704. Epub 2021 Jan 5. PMID: 33418146.
- 55: Sauer FG, Grave J, **Lühken R**, Kiel E. *Habitat and microclimate affect the resting site selection of mosquitoes.* Med Vet Entomol. 2021 Sep;35(3):379-388. doi: 10.1111/mve.12506. Epub 2021 Jan 4. PMID: 33394505.

2020

- 54: Sauer FG, Jaworski L, Erdbeer L, Heitmann A, Schmidt-Chanasit J, Kiel E, **Lühken R**. *Geometric morphometric wing analysis represents a robust tool to identify female mosquitoes (Diptera: Culicidae) in Germany.* Sci Rep. 2020 Oct 19;10(1):17613. doi: 10.1038/s41598-020-72873-z. PMID: 33077803; PMCID: PMC7573584.
- 53: Sauer FG, Jaworski L, **Lühken R**, Kiel E. *Impacts of sampling rhythm and exposition on the effectiveness of artificial resting shelters for mosquito collection in northern Germany.* J Vector Ecol. 2020 Jun;45(1):142-146. doi: 10.1111/jvec.12383. PMID: 32492276.
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