

CURRICULUM VITAE

Dr. scient. med. **Edwin Kniha**, MSc

Institute of Specific Prophylaxis and Tropical Medicine

Working group: Molecular Parasitology (Prof. Julia Walochnik)

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PERSONAL DATA

Date of birth	18.08.1989
Place of birth	Vienna, Austria
Citizenship	Austria
Children	Matilda Kniha (*29.05.2019), Vincent Kniha (*14.09.2024)

EDUCATION

2022	Granting of the academic title with distinction: Doctor of Applied Medical Science
2017	Granting of the academic title with distinction: Master of Science
2015	Granting of the academic title: Bachelor of Science
2017–2021	PhD student, Medical University of Vienna
2015–2017	Master of Science (Zoology), University of Vienna
2009–2015	Bachelor of Science (Ecology), University of Vienna
1999–2007	Gymnasium and Realgymnasium Perchtoldsdorf with graduation

LANGUAGE SKILLS

German	Mother's tongue
English	Fluent
French	Intermediate
Spanish	Beginner

CAREER HISTORY

since 2022	Postdoc, working group Prof. Walochnik, Medical University of Vienna
2021	Research stay (5 months) in the lab of Prof. Petr Volf (Vector Biology), Department of Parasitology, Charles University Prague, Czech Republic
2019	Research stay (3 weeks) in the lab of Prof. Petr Volf (Vector Biology), Department of Parasitology, Charles University Prague, Czech Republic
2019	Marginal employment in diagnostics, Institute of Specific Prophylaxis and Tropical Medicine, Medical University of Vienna
2018	Participant of the VI th Parasitology Summer Course (ParSCo) 2018, Bari, Italy
2017	Participant Summer School: Helminths, Veterinary University of Vienna, Austria

GRANTS AND FUNDING

2024	“A molecular survey of vector-borne pathogens in wild carnivores from Bosnia and Herzegovina”, funding: WTZ OeAD (project leader)
2024	“Etablierung eines molekularen Nachweises von subadulten Sandmückenstadien aus Bodenproben/ <i>Molecular detection of subadult sand flies in soil samples</i> ”, funding: Federal Ministry of Defense (project leader)
2024	„Potential vectors of leishmaniasis in Austria and the Czech Republic: occurrence and ecological aspects” funding: WTZ OeAD (project leader)
2022	“CLIMOS – Climate Monitoring and Decision Support Framework for Sand Fly-borne Diseases Detection and Mitigation with COst-benefit and Climate-policy Measures”, funding: Horizon Europe (project leader Austria)
2021	„Detecting insect vectors of pathogens in bat guano at bat roosts”, funding: Hochschuljubiläumsfonds der Stadt Wien (project leader)
2021	“Vector-borne diseases in operational areas of the Austrian Armed Forces: Kosovo and Bosnia and Herzegovina (BIH)”, funding: FFG FORTE (project leader)
2020	“Phlebotomine sand flies in Austria and their potential role in transmission of leishmaniasis”, funding: WTZ OeAD (project partner 2020–2021)

SCHOLARSHIPS AND AWARDS

2020	Scholarship AKTION Austria/Czech Republic (5 months), Austrian Agency for Education and Internationalisation (OeAD)
2019	ÖAW DOC Fellowship (24 months), Austrian Academy of Science (OeAW)
2019	Infravec2 scholarship (3weeks), Horizon 2020 European Union program
2017	2 nd Presentation Award at the annual conference (Linz, 2017) of the Austrian Society of Tropical Medicine, Parasitology and Migration Medicine (ÖGTPM)
2015 and 2016	Performance scholarship of the University of Vienna

TEACHING

since 2025	Teaching (in English), Medical University of Vienna, Lecture + Seminar: <u>“Infection Masterclass - Microbiology, Virology, Mycology, Hygiene and Parasitology</u>
since 2023	Teaching (in English), Medical University of Vienna, Lecture: <u>“Basis Lecture - Part I: Infection Biology, Treatment and Prevention: Introduction to the field and an overview of pathogens”</u> Teaching (in German or English), Medical University of Vienna, Lecture + Seminar: <u>“Parasites as pathogens – background and diagnostic methods”</u>
since 2022	Teaching (in English), Medical University of Vienna, Seminar + Journal Club: <u>“Current Trends in Parasitology”</u>
since 2021	Teaching (in German), Medical University of Vienna, Practical Lecture: <u>“MCW Block 9 for medical students”</u> , part parasitology Teaching (in German), Medical University of Vienna, Lecture: <u>„Special diagnostic skills for medical students”</u> , part parasitology
since 2019	Teaching (in German or English), Medical University of Vienna, Lecture: <u>“Basics of molecular parasitology”</u>
2017	Tutor, Medical University of Vienna, Lecture: <u>“MCW Block 9 ”</u> , topic: parasitology

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

German Society for Medical Entomology and Arachnology (DGMEA), Austrian Entomological Society (ÖEG), Network of Biological Systematics Austria (NOBIS), German Society for Parasitology (DGP), Austrian Society of Tropical Medicine, Parasitology and Migration Medicine (ÖGTPM).

SUPERVISION

Seda Adamyan, 2025- , Medical University of Vienna, PhD Committee member
Xenia Dimitriou, 2024-2025, University of Vienna, Master thesis co-supervisor
Ina Hoxha, 2022- , Medical University of Vienna, PhD supervisor
Katharina Platzgummer, 2023- , Medical University of Vienna, PhD supervisor
Iris Landsgesell, 2023, FH Technikum Wien, Bachelor thesis supervisor
Linda Wiesmüller, 2022, Veterinary University of Vienna, Thesis reviewer
Charlena Poonyth, 2022, Veterinary University of Vienna, Thesis reviewer

PROFESSIONAL SERVICE

Ad hoc peer reviewer: scientific journals of *Elsevier*, *MDPI*, *Springer Nature*, *Taylor & Francis*, *Wiley*
Member of the Network for Veterinary Entomology (NVE) of EFSA (European Food Safety Authority);
Member of the working group “One Health” of the Austrian Society of Tropical Medicine, Parasitology and Migration Medicine (ÖGTPM);
Member of the scientific committee of the Austrian Barcode of Life (ABOL) initiative;
Member of the organizing committee of the yearly conference of the German Protozoological Society (DGP) 2019 in Vienna, Austria

ORAL PRESENTATIONS

„Vector-borne Diseases in den Einsatzgebieten des Österreichischen Bundesheeres: Kosovo und Bosnien und Herzegowina (BIH)“, 2. Fortissimo Fachtagung der Österreichischen Forschungsförderungsgesellschaft (FFG), 2022, Martinkaserne, Eisenstadt, Österreich.
„Klimabedingte Ausbreitung von Vektoren nach Mitteleuropa: Sandmücken als Beispiel“, Jahrestagung der Wissenschaftskommission des BMLV, 2022, Stift-Kaserne, Wien, Österreich.
„Überträger und Erreger von Krankheiten als Neobiota in Mitteleuropa“ ÖEG Fachgespräch 2021 der Österreichischen Entomologischen Gesellschaft (Austrian Entomological Society) (Online-Conference).
“Update on the sand fly (Diptera: Psychodidae: Phlebotominae) distribution in Central Europe and their role as vectors of disease agents.” 2021 Annual Conference of the German Society for Parasitology, Bonn, Germany (Online Conference).
“Challenging identification of a sand fly species (Diptera: Psychodidae: Phlebotominae) new to Austria resolved by combining morphological and molecular methods.” 2020 Network of Biological Systematics Austria (NOBIS) Young Researcher’s Day, Salzburg, Austria (Online Conference).
„Ein Jahrzehnt Sandmückenforschung in Österreich.“ 2019 Expert Talks of the Austrian Society for Tropical Medicine, Parasitology and Migration Medicine (ÖGTPM), Vienna, Austria.
„Sandmücken in Mitteleuropa – und was wir darüber wissen sollten!“ 2019 Annual Conference of the German Society for Medical Entomology and Arachnology (DGMEA), Dornbirn, Austria.
“Sandfly dispersal in Central Europe: is temperature really critical?” 2019 Conference on Tropical Medicine and Global Health – Joint Annual Conference of the German Society for Tropical Medicine and International Health (DTG) and the Austrian Society for Tropical Medicine, Parasitology and Migration Medicine (ÖGTPM), Munich, Germany.

„Die Verbreitung der Sandmücken und ihre Relevanz als Überträger von Erregern in Mitteleuropa.“
2019 Colloquium of the Austrian Entomological Society, Graz, Austria.
“Seroprevalence of sandfly-borne viruses in Austrian soldiers returning from missions abroad.” 2017
Annual Conference of the Austrian Society for Tropical Medicine, Parasitology and Migration
Medicine (ÖGTPM), Linz, Austria.



Edwin Kniha, June 2025