

CURRICULUM VITAE

EDUCATION	PhD Student at the Department of Palaeontology, University of Vienna, Austria Topic: Evolutionary patterns of elasmobranch fishes
2019	MSc Student of Zoology at the University of Vienna, Austria Thesis: The origin and evolution of the tiger shark genus <i>Galeocerdo</i> (Elasmobranchii, Carcharhiniformes) revisited
2015	BSc Student of Biology at the University of Vienna, Austria Thesis: Phenotypic plasticity in tadpoles of <i>Rana dalmatina</i>
2009	Bundesgymnasium (High school) Bludenz, Austria

FIELD EXPERIENCE	2017	Field work on Triassic aquatic vertebrates, Carinthia, Austria
	2015	Field work on the fauna and flora of marine habitats, Rovinj, Croatia
	2015	Ecological field work on freshwater algae, Vienna, Austria
	2015	Ecological field work on freshwater rotifers, Vienna, Austria
	2014	Field work on coral reefs, Lhaviyani atoll, Maldives
	2013	Ecological field work in the national park Thayatal, Austria

ACADEMIC GRANTS & AWARDS	2018	Travel bursary for participation in the 22 nd Annual Meeting and Scientific Conference of the European Elasmobranch Association (EEA), Peniche, Portugal
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MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS	MECO (Mediterranean Elasmobranch Citizen Observations) Project
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SCIENTIFIC CONFERENCES	2019	23 rd Annual Meeting and Scientific Conference of the European Elasmobranch Association (EEA), Rende, Italy
	Talk:	On the origin of the great white shark <i>Carcharodon carcharias</i> (co-authors: P. L. Jambura [presenter], F. A. López-Romero, C. Pimiento, J. Kriwet)

- Poster: Micro-CT imaging reveals the origin of the lamniform sharks (co-authors: P. L. Jambura [presenter], R. Kindlimann, G. Marramà, C. Pfaff, S. Stumpf, C. J. Underwood, D. J. Ward, J. Kriwet)
- 2019** 12th International Congress of Vertebrate Morphology (ICVM), Prague, Czech Republic
- Talk: The origin and evolution of the tiger shark genus *Galeocerdo* (Elasmobranchii, Carcharhiniformes) revisited (co-authors: F. A. López-Romero, P. L. Jambura, G. Marramà, R. Kindlimann, J. Kriwet)
- Talk: Evolutionary Trends and the Phylogenetic Relevance of Tooth Mineralization Patterns in Sharks (Chondrichthyes; Elasmobranchii) (co-authors: P. L. Jambura [presenter], R. Kindlimann, G. Marramà, B. Metscher, C. Pfaff, S. Stumpf, C. J. Underwood, D. J. Ward, J. Kriwet)
- 2019** 46th Meeting of the German working group “Vertebrate Palaeontology”, Vienna, Austria
- Poster: Revision of fossil Tiger shark species (co-authors: F. A. López-Romero, P. L. Jambura, G. Marramà, R. Kindlimann, J. Kriwet)
- Poster: Micro-CT imaging reveals the origin of the lamniform sharks (co-authors: P. L. Jambura [presenter], R. Kindlimann, G. Marramà, C. Pfaff, S. Stumpf, C. J. Underwood, D. J. Ward, J. Kriwet)
- 2018** 22nd Annual Meeting and Scientific Conference of the European Elasmobranch Association (EEA), Peniche, Portugal
- Talk: The evolutionary history of the tiger shark, *Galeocerdo cuvier* (co-authors: P. L. Jambura, G. Marramà, R. Kindlimann, J. Kriwet)
- 2018** 45th Meeting of the German working group “Vertebrate Palaeontology”, Magdeburg, Germany
- Talk: Tooth development in embryonic tiger sharks (*Galeocerdo cuvier*), with comments on the early skeletogenesis (co-authors: C. Pfaff, T. Tomita, K. Sato, P. L. Jambura, J. Kriwet)
- Talk: Tooth histology in basal neoselachian sharks and its implications on tooth morphology and feeding ecology in extant groups (co-authors: P. L. Jambura [presenter], C. Pfaff, J. Kriwet)
- 2018** 19th Annual Meeting of the Society of Biological Systematics (GfBS), Vienna, Austria
- Talk: Using tooth histology to distinguish morphologically similar shark teeth (co-authors: C. Pfaff, P. L. Jambura, J. Kriwet)
- Talk: The phylogenetic relevance of the unique tooth histology in lamniform sharks (Elasmobranchii) (co-authors: P. L. Jambura [presenter], C. Pfaff, C. J. Underwood, D. J. Ward, J. Kriwet)

- 2017** 21st Annual Meeting and Scientific Conference of the European Elasmobranch Association (EEA), Amsterdam, Netherlands
- Poster: Dental ontogeny of embryonic tiger sharks (*Galeocerdo cuvier*): a link between tooth development and ovoviviparous reproduction (co-authors: C. Pfaff, K. Sato, T. Tomita, P. L. Jambura, J. Kriwet)

PUBLICATIONS

- P. L. Jambura, **J. Türttscher**, R. Kindlimann, B. Metscher, C. Pfaff, S. Stumpf, G. W. Weber, J. Kriwet. Evolutionary trajectories of tooth histology patterns in modern sharks (Chondrichthyes, Elasmobranchii). *Journal of Anatomy*. In Review.
- 2019 P. L. Jambura, F. A. López-Romero, R. Kindlimann, G. Marramà, C. Pfaff, S. Stumpf, **J. Türttscher**, C. Underwood, D. J. Ward, J. Kriwet. Micro-computed tomography imaging reveals the development of a unique tooth mineralization pattern in mackerel sharks (Chondrichthyes; Lamniformes) in deep time. *Scientific Reports*. 2019;9:9652.

PUBLISHED ABSTRACTS

- 2019 **J. Türttscher**, P. L. Jambura, F. A. López-Romero, G. Marramà, R. Kindlimann, J. Kriwet. The origin and evolution of the tiger shark genus *Galeocerdo* (Elasmobranchii, Carcharhiniformes) revisited. *Journal of Morphology*. 280, 231. 2019.
- 2019 P. L. Jambura, **J. Türttscher**, R. Kindlimann, G. Marramà, B. Metscher, C. Pfaff, S. Stumpf, C. J. Underwood, D. J. Ward, J. Kriwet. Evolutionary Trends and the Phylogenetic Relevance of Tooth Mineralization Patterns in Sharks (Chondrichthyes; Elasmobranchii). *Journal of Morphology*. 280, 145. 2019.
- 2018 **J. Türttscher**, C. Pfaff, P. L. Jambura, J. Kriwet. Using tooth histology to distinguish morphologically similar shark teeth. In: C. Pfaff, D. Zimmermann & J. Kriwet (eds.): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 51; Verlag Dr. Friedrich Pfeil, Munich.
- 2018 P. L. Jambura, C. Pfaff, **J. Türttscher**, C. J. Underwood, D. J. Ward, J. Kriwet. The phylogenetic relevance of the unique tooth histology in lamniform sharks (Elasmobranchii). In: C. Pfaff, D. Zimmermann & J. Kriwet (eds.): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 22; Verlag Dr. Friedrich Pfeil, Munich.

PUBLIC OUTREACH

- 2019 2nd Annual Meeting of the group “Sharks in Israel” (מפגש סחוסים ביותר), Tel Aviv, Israel
- Invited Talk:** Evolution of Body Shapes in Sharks and Rays (co-author: P. L. Jambura)
- 2018 **Co-organizer** of the event “Als der Riesenhai Megalodon durch Wien schwamm” (“About the time when Megalodon swam through Vienna”) at the Lange Nacht der Forschung (Long night of Science), Vienna, Austria

SKILLS

Languages

German: mother tongue

English: fluent; 8 years of education in high school; regular use

French: basics; 4 years of education in high school

Latin: basics; 6 years of education in high school

Software

MS Office (Word, Excel, PowerPoint, Outlook)

Adobe (Photoshop, InDesign, Illustrator, Premiere)

Gimp, Amira, CTVOX, DataViewer

PAST, tpsUtil, tpsDig, tpsRelw

Additional Skills

PADI Divemaster and DSD-Leader

Salt- and Freshwater aquaristics (sharks, bony fish, invertebrates)