

Curriculum Vitae

Jürgen Kriwet

Univ.-Prof., Dr. rer. nat., Dipl.-Geol.

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Address

Department of Palaeontology

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Education

- 16.12.2009: Venia legendi ('Habilitation') in Palaeobiology, Free University of Berlin, Germany
Thesis title: *Taxonomic diversity, interrelationships, origin and evolutionary trends of modern type sharks and rays (Chondrichthyes, Neoselachii): The Mesozoic Perspective*. – 800 pp.
- 09.07.2001: Dissertation in Biology
Titel of PhD thesis: *A comprehensive study of pycnodont fishes (Neopterygii, Pycnodonti-formes) – Morphology, Taxonomy, Functional Morphology, Phylogeny, and Palaeobiogeography*. – 580 pp. ("magna cum laudae")
- Sept. 1989 – Jul. 1995: Diploma studies, Geology and Palaeontology, Department of Earth Sciences, Free University of-Berlin, Germany

Professional Experience

- since Feb. 2016: Accreditation for „Cooperation Organisation for Vocational Education, Training and the Labour Market (SBB)“, dual Dutch university system
- since Sept. 2010: Full Professor (Univ.-Prof.), Chair of Palaeobiology with special focus on Vertebrate Palaeontology
- Apr. 2009 – Sept. 2010: Head of Section, Cenozoic Amphibians and Reptiles, State Museum of Natural History, Stuttgart, Germany
- Jan. 2009 – Sept. 2010: Research Associate at Department of Earth Sciences, University of Bristol, United Kingdom
- Oct. 2008 – Sept. 2010: Curator, Cenozoic Amphibians and Reptiles and Researcher, Staatliches Museum für Naturkunde Stuttgart, Germany
- Dec. 2005 – Aug. 2008: Curator, Fossil Fishes, Museum of Natural History, Berlin, Germany
- Apr. 2004 – Apr. 2005: Scientific Consultant, DinoPark Fürth, Germany
- Feb. 2004 – Nov. 2005: Post-doctoral fellow, DFG, Faculty of Geosciences, LMU Munich, Germany
- Jan. 2004: Visiting Fellow, Museum of Natural History Berlin, Section Palaeontology, Germany
- Oct. 2003 – Dec. 2003: Guest-lecturer, scientific fellow, Department of Earth Sciences, University of Bristol, United Kingdom
- Oct. 2001 – Sept. 2003: Post-doctoral Fellow, Department of Earth Sciences, University of Bristol, EU Marie Curie program, United Kingdom
- Feb. 2001 – Jul. 2001: Exhibitions Department of the Museum of Natural History, Humboldt-University Berlin: development of concepts and guided tours

- Oct. 1998 – Jan. 2001: Scientific fellow (PhD-student), Humboldt-University of Berlin, Germany
- Oct. 1996 – Oct. 1998: Research Fellow (DFG), Museum of Natural History, Humboldt-University Berlin, Germany
- Aug. 1995 – Sept. 1996: Research assistant, Department of Earth Sciences, FU-Berlin, Germany (Prof. Dr. H. Keupp)
- Sept. 1989 – Sept. 1990: Geological and palaeontological collection of the “Stadtmuseum Berlin-Charlottenburg”, Berlin, Germany: Development of collection and exhibition concepts, administrative duties, maintaining collections

Leadership and Administrative Experience

ACADEMIC LEADERSHIP

Deputy Head of Palaeontological Department (since Oct. 2018)

Head of Palaeontological Department (Oct. 2016 – Oct. 2018)

Duties included line management of 45 permanent and temporary academic and 10 support staff of the Department of Palaeontology, budget responsibilities, responsibility for delivery of BSc and MSc programs in Palaeontology and Palaeobiology as well as increasing research activities and postgraduate numbers.

Vice Dean of the Faculty (Oct. 2011 – Oct. 2016)

Duties included line management of academic and technical support staff, budget planning, infrastructure and strategic construction organisation, IT coordination, car pool management.

Head of Palaeontological Department (January 2011 – October 2011)

Duties included line management of 27 permanent and temporary academic and nine support staff of the Department of Palaeontology, budget responsibilities, responsibility for delivery of BSc and MSc programs in Palaeontology and Palaeobiology as well as increasing research activities and postgraduate numbers.

FACILITY LEADERSHIP

Head of *Micro-CT Facility* (since March 2011)

Duties include management of staff and budget planning.

Head of *SEM Facility* (since January 2011)

Duties include management of staff and budget planning.

Coordinator of Collections (since December 2010)

Strategic planning and development of faculty collections

Head of *3D Imaging Facility* (since December 2010)

Duties include management of staff and budget planning.

COMMITTEE SERVICES

Department:

- Member, Search Commission for tenure-track faculty position “Palaeobotany” (January 2017 – June 2018)
- Chairman, Search Commission for the professorship “Palaeoecosystems” (January – December 2012)

Faculty:

- Member of “Study Conference” (since June 2018)
- Member (substitute) of the “Faculty Conference” (since April 2018)
- Member, Dissertation Advisory Board (since Oct. 2016)
- Member of Curricular Working Group “Extension Curriculum Earth Sciences” (Dec. 2015 – June 2016)
- Member of the “Faculty Conference” (Nov. 2010 – Oct. 2017)
- Representative, “Sponson” and Promotion Ceremony (since Nov. 2010)
“Promotor”: 11.11.2010; Acting Dean: 19.04.2012; Acting Dean: 16.11.2012
- Respondent, Curricular Working-groups (since Sept. 2013)
- Member, Dissertation Advisory Board (Oct. 2011 – Oct. 2013)
- Internal reviewer, Search Commission for the professorship “Geoecology” (May 2013)
- Member of Curricular Working-Group “Extension Earth Sciences” (since Dec. 2015)

University:

- Member of “IT Advisory Board” (since May 2013)
- Contact Person for “Facility and Resource Management” (since July 2013)
- Member of the “Audit Implementation Group” (Sept. 2014 – June 2015)

External:

- Member of Peer Review Panel of the *Czech Academy of Sciences* (CAS) for the panel Earth and related environmental sciences (April – July 2015)
- Member of Peer Review Panel of the Belgian Federal Science Policy Office (BELSPO) for evaluating the *Royal Belgian Institute of Natural Sciences* (RBINS) (August 2014 – January 2015)
- Reviewer, Search Commission professorship “Palaeontology and stratigraphy of sedimentary resources” at the University of Freiberg, Germany (July 2013)
- Panel Member of D-TAF (Synthesys) (Dec. 2011)

SERVICE FOR RESEARCH COUNCILS

- Referee for German Research Council (DFG), Synthesys, National Science Foundation (NSF), Schweizer Nationalfonds (SNSF).

SERVICE FOR LEARNED SOCIETIES

- Member of the scientific committee of the “13th Symposium on Mesozoic Terrestrial Ecosystems and Biota (MTE13)”, July 2018
- Member of “NOBIS Austria” price committee 2015
- Secretary of “Paläontologische Gesellschaft” (October 2005 – October 2009)

EDITORIAL BOARD

- Academic Editor *PLoS One* (since August 2018)
- Associate Editor *Journal of Vertebrate Paleontology* (since May 2016)
- Member of Advisory Board *Cretaceous Research* (since July 2014)
- Review Editor *Frontiers in Paleontology* (speciality section of *Frontiers in Ecology and Evolution and Earth Sciences*) (since September 2013)
- Member of Editorial Board *Palaeodiversity* (since October 2010)
- Associate Editor *Paläontologische Zeitschrift* (since October 2008)
- Editorial Board *Zitteliana* (since May 2005)

REFEREE FOR SCIENTIFIC JOURNALS AND BOOKS (since 1999)

Acta Geologica Polonica; Acta Palaeontologica Polonica; Acta Zoologica Scripta; Alcheringa; Ameghinia; Annalen des Naturhistorischen Museums Wien; Antarctic Science; Austrian Journal of Earth Sciences; Biological Journal of the Linnean Society; Canadian Journal of Earth Sciences; Comptes Rendus Biologie; Contributions to Zoology; Copeia; Cretaceous Research; Developmental Dynamics; European Journal of Taxonomy; Fishes; Frontiers in Palaeontology; Frontiers in Zoology; Geological Quarterly; Geobios; Geoscience; Gondwana Research; Historical Biology; Island Arc; Journal of Biogeography; Journal of the Geological Society London; Journal of Morphology; Journal of Paleontology; Journal of South American Earth Sciences; Journal of Systematic Palaeontology; Journal of Vertebrate Paleontology; Marine Ecology Progress Series; Mitteilungen aus dem Museum für Naturkunde in Berlin, Geowiss. Reihe; Nature; Naturwissenschaften; Neues Jahrbuch für Geologie und Paläontologie; New Mexico Museum of Natural History and Science Bulletin Series; Organisms Diversity and Evolution; Paleobiology; Palaeodiversity; Palaeontologica Electronica; Paläontologische Zeitschrift; Palaeontos; Palaeogeography, Palaeoclimatology, Palaeogeography; Palaeontology; Palaeoworld; Paleobiology; Paleontological Research; Palaeovertebrata, Plos One; Proceedings of the Geologist's Association; Research & Knowledge; Proceedings of the Royal Society B; Revista Española de Paleontología; Revista Geologica de Chile; Revista Mexicana de Geología; Research & Knowledge; Rivista Italiana di Paleontologia e Stratigrafia; Science; Scientific Reports; Scripta Geologica; Swiss Journal of Geosciences; Swiss Journal of Palaeontology; Systematic Palaeontology; Universitas Scientiarum; Vertebrate Zoology; Zitteliana; Zoological Journal of the Linnean Society; Zoologica Scripta; Zoologischer Anzeiger; Zootaxa.

Special Volumes: Arthur Smith Woodward: His Life and Influence on Modern Vertebrate Palaeontology [eds JOHANSON, Z., BARRETT, P.M., RICHTER, M. & SMITH, M.]; **Mesozoic Fishes 3** [eds ARRATIA, G. & TINTORI, A.]; **Mesozoic Fishes 4** [eds ARRATIA, G. & SCHULTZE, H.-P. & WILSON, M.V.H.]; **Mesozoic Biotas of Scandinavia and its Arctic Territories**, Geological Society of Sweden [eds KEAR, B.P., LINDGREN, J., HURUM, J.H., MILÀN, J. AND VAJDA]; **Recent Advances in the Origin and Early Radiation of Vertebrates** [eds ARRATIA, G., CLOUTIER, R. & WILSON, M.V.H.]; **Proceedings of the Third Georges Cuvier Symposium** [ed. E. BUFFETAUT]).

REFEREE FOR PROMOTION AND TENURE

PhD commission

- 2018 A. ENGELBRECHT. *Evolutionary Dynamics of Eocene Antarctic Cartilaginous Fishes (Chondrichthyes, Holocephali, Elasmobranchii)*. University of Vienna. Head of commission.
- 2014 LYNHAMMAR. *Chondrichthyan fishes in the Arctic Ocean and adjacent seas - do we know our species?* Faculty of Biosciences, Fisheries and Economics Department of Arctic and Marine Biology, Arctic University, Tromsø, Norway.
- 2013 R. CARLO. *Faunal changes across the Triassic/Jurassic boundary*. University of Zürich, Switzerland.
- 2013 M. LIGHT. *Holocephali: their phylogeny and relationship to Elasmobranchii and Placodermi*. University of Freiberg, Germany.
- 2012 K. BASTL. *Ecomorphology of the European Hyaenodon*. University of Vienna, Austria. Head of commission.
- 2012 J. FISCHER. *Palaeoecology and migration behaviour of the Palaeozoic to Mesozoic freshwater sharks Lissodus and Orthacanthus using stable isotopes*. University of Freiberg, Germany.
- 2011 W. C. MELLO. *Relações filogenéticas dos tubarões-martelo (Elasmobranchii: Sphymidae), com ênfase em morfologia*. Universidade do Estado do Rio de Janeiro, Brazil.
- 2010 D. MARJANOVIĆ. *Phylogeny of the limbed vertebrates with special consideration of the origin of the modern amphibians*. University of Vienna, Austria. Head of commission.
- 2006 HERZOG: *The bony fish fauna from the Prosanto-Formation (Middle Triassic, GR) – Systematics, functional morphology and Palaeoecology*. University of Zürich, Switzerland.

Habilitation commission member

- 2015 F. GRIMMSON. University of Vienna, Austria.
- 2016 A. LUKENEDER. University of Vienna, Austria.
- 2016 G. CUNY. University of Lyon, France.

Referee for tenure evaluation (Associate Professor level)

- 2011 K. SHIMADA. DePaul University, Chicago, U.S.A.

Research Grants, Financing, Awards, Recognitions

- 03.2018: *Recognized Reviewer* status awarded by *Cretaceous Research*.
- 06.2017: *Outstanding Reviewer* status awarded by *Cretaceous Research* (among top 10th percentile in terms of number of reviews completed for *Cretaceous Research* in the years 2015 – 2016).
- 12.2016: *Outstanding Reviewer* status awarded by *Palaeogeography, Palaeoclimatology, Palaeoecology* (among top 10th percentile in terms of number of reviews completed for *Cretaceous Research* in the years 2015 – 2016).
- 10.2016: Research grant of the Austrian Science Fund (FWF, P26465) for 3 years: “Success and extinction of pycnodontiform fishes”. [including consumables and salaries for a postgraduate student (PhD, 36 months) and an assistant student (36 months). Total: € 236.886,96].
- 04.2015: Student grant of SHARKPROJECT Austria for MSc project entitled “Past and present diversity patterns of chondrichthyans of the Kvarner Bay, Croatia” (2.500,00 EUR)
- 04.2015: *Outstanding Reviewer* Status awarded by *Cretaceous Research* (among top 10th percentile in terms of number of reviews completed for *Cretaceous Research* in the years 2014 – 2015).
- 10.2014: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna) for extension of the fish tank facility (EUR 8.000,00).
- 12.2013: Research grant of the Austrian Science Fund (FWF, P26465) for 3 years: “Evolutionäre Dynamik eozäner Knorpelfische der Antarktis” [including consumables and salaries for a postgraduate student (PhD, 36 months) and an assistant student (36 months). Total: € 187.404,00]
- 12.2009: Two years extension of research grant for “Deutsche Forschungsgemeinschaft (DFG)” project DFG KR 2307/3-2 (ended 31.12.2011)
- 12.2009: Two years extension of research grant for “Deutsche Forschungsgemeinschaft (DFG)” project KR 2307/7-1 (ended 28.02.2013)
- 12.2008: One year extension of research grant for the project “Evolution and adaptive radiation of dog-fish sharks” (DFG KR 2307/4-2) [including consumables (12 000 EUR) and salaries for a postgraduate student (PhD, 12 months) and an assistant student (12 months)]
- 01.2008: Research grant of the German Scientific Foundation (DFG, KR 7/1): “Evolution and systematic position of „*Carcharodon megalodon*“ and the origin of the extant “Great White” *Carcharodon carcharias*”[including consumables]
- 12.2007: Research grant of the German Scientific Foundation (DFG, KR 2307/3-2): "Environmental controls and distribution of Late Jurassic neoselachians from the Iberian Basin (NE Spain) in the European context" [including consumables and

salaries for a postgraduate student (PhD, 12 months) and an assistant student (9 months)]

- 08.2006: Award for poster presented at 76th Annual Meeting of the Paläontologische Gesellschaft in Kiel (Germany).
- 10.2006: Research grant of the German Scientific Foundation (DFG, KR 2307/4-1): "Evolution and adaptive radiation of dog-fish sharks (Chondrichthyes, Squaliformes)" [including consumables (37 000 EUR) and salaries for a postgraduate student (PhD, 24 months) and an assistant student (18 month)]
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Graz (Austria).
- 07.2005: SYNTHESYS grant, Natural History Museum London, UK
- 06.2005: Research grant of the German Research Foundation (DFG, KR 2307/3-1): "Environmental controls and distribution of Late Jurassic neoselachians from the Iberian Basin (NE Spain) in the European context" [including consumables and salaries for a postgraduate student (PhD, 24 months) and two assistant student (18 months)]
- 11.2005: Travel grant of the DFG to Denver, U.S.A. (Meeting of the SVP).
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Göttingen (Germany).
- 07.2004: Guest lecturer mobility grant, University of Zaragoza (Sokrates).
- 02.2004: Research grant of the German Scientific Foundation (DFG, KR 2307/1-1): "Mesozoic neoselachians (Chondrichthyes, Elasmobranchii): Patterns of phylogeny, biogeography, and diversity in a changing world" [including consumables and salary for JK (Postdoc, 24 months)]
- 10.2001: Marie Curie Fellowship Association (EU): "Evolution and extinction of post-Jurassic Antarctic ichthyofaunas", Earth Sciences Department, University of Bristol (UK). [including consumables and salary for JK (Postdoc, 24 montsh)]
- 04.1993: Student fellowship of ERASMUS/LINGUA program, University of Patras, Greece.

Academic / Professional Societies

- American Society of Herpetology and Ichthyology
- Gesellschaft für Ichthyologie (Gfi)
- Network of Biological Systematics Austria (NOBIS)
- Society of Vertebrate Paleontology
- German Palaeontological Society
- Zoologisch-botanische Gesellschaft Österreichs

Public Relations and Media

For detailed list see also www.evomorg.org/content/press.html.

- 2006 – 2018: Frequent interviews for printed, TV and radio media and articles in online press media (e.g., Financial Times, n-tv, Phoenix, SAT1, MDR, BR2, BR3, FM4, various online media)
- since 2011:
 - 30.06.2011: FM4 (deep-sea adaptation sharks)
 - 19.03.2013: IRadio Ö1 – Dimensionen: Sharks and food-webs
 - 20.03.2013: ORF: Evolution of sharks
 - 21.03.2013: Radio Campus: Importance of sharks for aquatic ecosystems
 - 06.05.2013: Radio BR3: Evolution of sharks
 - 17.05.2013: ORF: Sharks and food-webs
 - 30.07.2013: Interview “Kinderbüro (Kix!)” (evolution of sharks)
 - 27.03.2014: uni:view (Antarctica)
 - 11.06.2014: Der Standard: “Die Urhaie, die aus der Antarktis kamen”
 - 2015: “Zähne und Schuppen haben unterschiedlichen Ursprung” in Der Standard, VDZI, Wiener Zeitung, Science AP.
 - 19.12.2015: Der Standard: “Solnhofen: Ein Panoramafenester in eine vergangene Welt”
 - 2016: Various interviews on Greenland Shark and life expectancy of vertebrates (e.g., Radioeins, Zeit.de, Süddeutsche.de, n-tv, Spiegel, Welt.de, MDR)
 - 13.05.2016: Augsburger Allgemeine Zeitung: Sharks in the Mediterranean Sea
 - 07.09.2016: National Geographic: Fossil three-level food chain
 - 19.01.2017: Radio BR2: Evolution of sharks
 - 03.03.2017: Mare: Greenland shark, life expectancy
 - June 2017: Various interviews about the occurrence of blue sharks in the Mediterranean Sea.
 - 04.07.2017: Der Standard: Report of Article published in “Palaeontology” on body size in fishes after the Permian-Triassic extinction event.
 - 10.01.2018: Interview for Newsletter of the University of Vienna about success and extinction of bony fishes.

Current Working Group

Post-docs and associated researchers (see also www.evomorg.org)

- Dr. Sebastian Stumpf: Postdoc-Assistant
<http://www.evomorg.org/content/members/sebastian.stumpf.html>
- Dr. G. Dyke: Research Fellow
<http://www.evomorg.org/content/members/presentmembers.html>
- Dr. C. PFAFF: Research Scientist & Head of micro-CT lab.
http://www.fish-research.org/Kriwet_Lab/content/Members/Cathrin.Pfaff.html
- Dr. G. MARRAMÀ: Lise-Meitner-Fellow
<http://www.evomorg.org/content/members/giuseppe.marrama.html>

PhD students

- J. AMALFITANO: Late Cretaceous chondrichthyans and palaeoenvironments of northern Italy (co-supervisor).
- J. CAWLEY: Evolutionary success of pycnodontoid fishes (Neopterygii, Pycnodontomorpha)
- J. HAPP: Functional evolution of snakes (Vertebrata, Squamata).
- P. JAMBURA: Evolutionary success of elasmobranch fishes (Vertebrata, Chondrichthyes)
- C. KLIMPFINGER: Evolutionary and diversity patterns of deep-sea cartilaginous fishes (Chondrichthyes, Elasmobranchii).
- F. LÓPEZ ROMERO: Developmental aspects of cartilaginous fishes (Chondrichthyes, Elasmobranchii) (Research Assistant, Uni. Vienna)..
- R. STEPANEK: Evolution of freshwater stingrays (Chondrichthyes, Batoidea).
- JAIME ANDRES VILLAFANA NAVEA: Diversity and diversification patterns of Miocene chondrichthyans of the Paratethys.

MSc students

- D. HLAWACEK: Systematic position and cranial function of extinct sawfishes.
- K. HOLZINGER: A new short-snouted crocodyliform from the Late Cretaceous Gosau Fm. of Austria.
- P. STÜBER: Relationships between caudal fin shape and ecomorphology in sharks.
- L. TÜRTSCHER: Tooth replacement and histology patterns in orectolobiform and tiger sharks (Chondrichthyes, Elasmobranchii).
- M. VOJTEK: Eye morphology and vision in birds.

BSc students

- F. DE ROSSI: Reconstruction of the Austrian nodosaurid dinosaur, *Struthiosaurus austriacus* from the Late Cretaceous of Austria.
- R. PICHLER: Conquest of land by vertebrates – revisited.
- R. ZOLTÁN: Growth in the first true flying vertebrates, the pterosaurs (co-supervised by Dr. G. Dyke).

Director of Previous Students

PhD Students

University of Vienna, Austria

- A. ENGELBRECHT: Evolution and diversification of post-Cretaceous Antarctic fishes (2018).

Free University of Berlin, Germany

- S. KLUG: Morphology and systematics of synchondontiform sharks (Chondrichthyes, Elasmobranchii), with comments on the origin and early evolution of neoselachians (2009).

Ludwig-Maximilians-University of Munich, Germany

- N. STRAUBE: Deep Divergence: Phylogeny and Age Estimates of Deep-water Chondrichthyes (2011).

Technical University Freiberg, Germany

- J. FISCHER: Thema: Palaeoecology and migration behaviour of the Palaeozoic to Mesozoic freshwater sharks *Lissodus* and *Orthacanthus* using stable isotopes (2012; co-supervisor).
- M. LICHT: Ontogeny and evolution of holocephalians (Chondrichthyes) (2013; co-supervisor).

University of Zürich, Switzerland

- C. ROMANO: Evolutionary dynamics of Permian–Triassic fishes and early Triassic seawater temperature changes (2013, co-supervisor).

Diploma Students

University of Vienna, Austria

- Stefan CZERNY: Marsupial morphology of the inner and middle ear.
- M. HERKE: Comparative morphology and prey capture in pikes (*Esox* spp.) and gars (*Lepisosteus* spp.).
- P. WIESINGER: Cranial anatomy of stomiid fishes.
- K. ZRAUNIG: Conservation and fishery impacts related to shark attacks on humans.

MSc Students

University of Vienna, Austria

- C. EGGER: Shark embryo behaviour in response to electric and magnetic stimuli (2016).
- A. ELSLER: A new specimen of *Othnielosaurus consors* and its phylogenetic position (2014).
- N. Gierlinger: The distribution and morphology of dermal and dental denticles in different stages of ontogeny in *Chiloscyllium* cf. *punctatum*, *Scyliorhinus canicula* and *Scyliorhinus retifer* (2016).
- D. GRAU: Ontogeny of *Sciurus vulgaris* (2015).
- J. HAPP: Morphology and systematic setting of Miocene birds from the Lavanttal, Austria (2014).
- K. FRITZ: Evolutionary development of jaws in basal gnathostomes (2015).
- I. FUCHS: New off-shore sharks (Chondrichthyes, Elasmobranchii) from the Early Cretaceous of Austria (2017).
- P. JAMBURA: Tooth replacement and histology patterns in carcharhiniform sharks (Chondrichthyes, Elasmobranchii) (2017).
- C. NEIDHART: Cranial characters of adult and embryonic electric rays (Chondrichthyes, Torpediniformes) and their bearing on individual development and their interrelationships (2014).
- L. SCHNETZ: Cranial anatomy of the porbeagle shark (*Lamna nasus*) (2015).
- A. SCHIPANY: Sharks and rays of the Kvarner Bay (Croatia): Past and recent diversity patterns (financial support by Sharkproject Austria) (2018).
- F. SCHULT: Variation in Miocene freshwater fish populations (2017).
- J. SCHWAB: Divergence and Disparity of the inner ear in canids through time (2017).
- C. VEITSCHEGGER: The systematic position of the blue shark, *Prionace glauca*, revisited (2013).

Free University of Berlin, Germany

- H. MEWIS: Diversity and fossil record of mackerel sharks (Elasmobranchii, Lamniformes) with special reference to Miocene lamniforms from Groß-Pampau (Schleswig-Holstein) (2008).
- D. NIEWITZ: Early Cretaceous (Albian) selachians (Chondrichthyes, Neoselachii) from northern Germany (2010).
- R. STEPANEK: Anatomy of the freshwater stingray *Potamotrygon motoro* (Batoidea, Potamotrygonidae) (2009).
- A. PIGOWSKE: Ecology and life history of modern neoselachians (Chondrichthyes, Elasmobranchii) using geochemical tracer analyses (2009).

Hohenheim University of Stuttgart, Germany

- S. JORDAN: Pre-natal electroreception in cat sharks, *Scyliorhinus* (2010).

Humboldt-University Berlin, Germany

- B. STELBRINK: Phylogeography of modern angel sharks (Neoselachii: Squatinidae) using multiple molecular sequences (2008).
- J. DUMMASCH: Systematic position of Late Jurassic batoids (2009).
- J. WALIGORA: Character interpretation in etmopterid deep-water sharks (Neoselachii, Squaliformes) (2009).

Ludwig-Maximilians-University of Munich, Germany

- N. STRAUBE: Dental morphology and taxonomy of extant deep-water sharks of the genus *Etmopterus* (2006).

University of Bristol, UK

- A. O'CONNOR: Cope's Rule in galeomorph sharks (co-supervisor Prof. Dr. M.J. Benton) (2007).
- M. WOODGER: Lower to Mid-Cretaceous ostracodes of NE Spain (2003).
- M. RILEY: Lower Cretaceous fish remains (Chondrichthyes, Actinopterygii) of NE Spain (2003).
- L. NUNN: Mid-Cretaceous fish faunas of Aliaga, NE Spain (2003).
- S. JOOMUN: Feeding habits and trophic levels of Upper Jurassic fishes from South Germany (2003).
- J. RUFFLE: Taxonomy and Phylogeny of Priscacara (Teleostei: Perciformes) from the Eocene Green River Formation, U.S.A. (2003).
- C. LIPKIN: Biomechanics of the forelimbs of spinosaurid theropods (2003).
- E. WILLIAMS: Dental morphology and systematics of fossil squatinid selachians (Chondrichthyes, Neoselachii) (2002).
- N. CARTWRIGHT: Cranial anatomy and phylogeny of *Saurichthys* (Actinopterygii, Saurichthyidae) (2002).

University of Greifswald, Germany

- N. HOFFMANN: Fishes from the Upper Jurassic of Poland (2006).

BSc Students

University of Vienna, Austria

- P. ABDALLA: Revision of Late Cretaceous crocodiles (Tetrapoda, Crocodyliformes) of Austria (2018).
- Lydia BAUMANN: Spontaneous calcification of vertebrate collagen provides new insights into the appearance of skeletons in early vertebrates (2012).
- R. CASPERS: Cranial morphology of placoderm fishes. (student of "Helicon MBO", Apeldoorn, dual Dutch university system) (2016).

- L. CLARA: Palaeoecology and sedimentology of the fossil locality of Hipplès, Lower Austria (in German) (2014).
- F. DE ROSSI: 3D-reconstruction of *Struthiosaurus austriacus* (2017).
- I. FUCHS: Palaeoecology and distribution of early Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (2015).
- T. HAZOD: Teeth and rostral spines in the sclerorhynchid sawfish, *Libanopristis* (Chondrichthyes, Elasmobranchii) (2016).
- G. KAINEDER: Less for Success Reduced Ossification in the dentary bone of notothenioids (Teleostei, Perciformes) (2015).
- J. SCHWAB: Palaeoecology and distribution of middle Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (2015).
- A. SISTANI: Taphonomy of bird remains from Pleistocene caves of Austria (2018).
- M.E. VAN ANDEL: Mineralized inner ear structures in elasmobranch fishes. (student of “Helicon MBO”, Apeldoorn, dual Dutch university system) (2017).
- J. VAN DER WAAL: Miocene bird remains from Austria (student of “Helicon MBO”, Apeldoorn, dual Dutch university system) (2016).
- F. WEGAN: Late Cretaceous pterosaurs (Vertebrata, Reptilia) from Austria (2013).

Courses Taught at University of Vienna since 2010

(complete and detailed list on request)

Arbeitsgruppenseminar	Meeresbiologie aus paläobiologischer Sicht
Analytical methods	Paläobiodiversität
Angewandte Methoden der Wirbeltierpaläontologie	Paläobiodiversität (BA04) STEP (PI)
Applied Palaeontology: Functional analysis of vertebrates	Paläobiogeographie
Applied Palaeontology: Functional analysis of vertebrates	Paläobiologie der Vertebrata
BA_ERD_5 Organismische Biologie (NPI)	Paläobiologische Methoden
Baupläne der Tiere 1	Paläontologische Evolutionsforschung
Baupläne der Tiere 2	Paläontologische Exkursion
Co-evolutionary patterns of vertebrates	Paläontologisches Seminar
Current Controversies	Paläontologische Arbeitsmethoden - Labor
Current controversies in Vertebrate Palaeobiology	Phylogenetische Systematik

DoktorandInnen-Seminar	Phylogenie der Wirbeltiere Teil 2: Mammalia (Modul G008: Phylogenie der Wirbeltiere) (MSc)
DoktorandInnen-Seminar IV	Phylogenie der Wirbeltiere Teil I: Wirbeltiere außer Mammalia (MSc)
DoktorandInnen-Seminar, II	PM Biologie I (Organismische Biologie) (NPI)
DoktorandInnen-Seminar, III	PM Biostratigraphie und Evolution des Lebens (NPI)
Einführung in die Paläoichthyologie	PM Paläobiodiversität VO+UE (PI)
Einführung in die Paläoichthyologie	PM Seminar zur Bachelorarbeit (PI)
Einführung in Methoden der Paläobiologie (Modul: Spezielle Paläontologie)	Research Methods: Methods in Palaeobiogeography and diversity reconstructions
Evolutionäre Entwicklungspaläobiologie der Wirbeltiere	Seminar zur paläontologischen Evolutionsforschung
Evolutionäre Funktionsmorphologie aquatischer Wirbeltiere	Spezielle Paläobiologie
Evolutionäre Ökologie der Fische	STEOP: System Erde: Einführung und Ausblick des Studiums (NPI)
Exkursion zu fossilen Wirbeltierlagerstätten	Stratigraphie, Erdgeschichte und Phylogenese (BA16) Teil 2 (NPI)
Field course „Sedimentology and stratigraphic evolution of Early Cretaceous subbasins of the Iberian Basin“	System Erde (BA01) STEP (NPI)
Form und Funktion von Organismen	Systematic methods
Functional morphology of aquatic vertebrates	Trends in der paläontologischen Forschung, II
Funktionelle Ecomorphologie der basalen Tetrapoden - Übungen	Trends in der paläontologischen Forschung, III
Grundlagen der Wirbeltierpaläontologie	Trends in Paläontologie und Paläobiologie, I
Lehrgrabung Wirbeltierpaläontologie	Übung zu Paläodiversität der Vertebrata - Niedere Vertebrata
MA-ERD-14 Geobiologie	Übungen zu : Grundlagen der Wirbeltierpaläontologie
MA-ERD-15 Funktionsmorphologie (PI)	Vergleichende Anatomie der Fische
MA-ERD-15 Methoden der Paläobiologie (PI)	Vergleichende Anatomie der Wirbeltiere
MA-ERD-15 Methoden der Paläobiologie (PI)	Vergleichende Morphologie und Evolution basaler Vertebraten
MA-ERD-17.27 Evolution der Wirbeltiere (PI)	Zoologisches Laborpraktikum
MA-ERD-17.32 Erdwissenschaftliche Exkursionen II (PI): Exkursion zu fossilen Wirbeltierlagerstätten (September 2015)	

Current Scientific Collaborations

In alphabetic order:

A. Crame (British Antarctic Survey, Cambridge, UK), **M. Benton** (University of Bristol, UK), **G. Carnevale** (University of Torino, Italy), **J. E. Eastman** (Ohio University, U.S.A.), **J. Fischer** (Urweltmuseum Geoskop, Thallichtenberg, Germany), **G. Fraser** (University of Sheffield, UK), **L. Giusberti** (University of Padua, Italy), **F. Herder** (Museum König, Bonn); **S. Hu** (Chengdu Institute of Geology and Mineral Resources, Chengdu, China); **Z. Johanson** (The Natural History Museum, London, UK), **W. Kiessling** (University of Erlangen, Germany), **S. Klug** (Universität Göttingen, Germany), **J. G. Maisey** (American Museum of Natural History, New York, U.S.A.), **T. Mörs** (Swedish Museum of Natural History, Stockholm, Sweden), **R. Otero** (Natural History Museum Santiago de Chile), **M. A. Reguero** (Museo de la Plata, Argentina), **Werner Schwarzhans** (Zoological Museum, Copenhagen, DK), **K. Sato** (Okinawa Churaumi Aquarium, Japan), **M. Meredith Smith** (King's College, London, UK), **S. Tanaka** (Shimizu University, Japan); **W. Wen** (Chengdu Institute of Geology and Mineral Resources, Chengdu, China); **L. Xing** (China University of Geosciences, Beijing).

Field Work (related to long-term projects)*

(field-work related to small scale projects are omitted here)

- August 2018: Early and Middle Triassic (Luoping Biota) fishes from China.
- November 2017: Cenozoic elasmobranchs of Chile.
- July 2013: Carnythia and Lower Austria – Aquatic vertebrates from continental and marine Miocene deposits
- October 2012: NE Spain – Marine Late Jurassic and continental Early Cretaceous vertebrate localities.
- October / November 2008: SE Asia: Jurassic and Cenozoic marine deposits of Java, Sulawesi, Ambon and Ceram.
- September / October 2007: Peru – Reconnaissance study of Cenozoic sedimentology and vertebrates.
- November 2007: Japan – Tissue sampling for molecular analyses of extant deep-water sharks in Suruga Bay.
- July 2006: North-eastern Spain – Late Jurassic selachians and actinopterygians.
- March 2002, 2003 & 2004: Patagonia (Argentina) – K/T boundary sections in the Neuquen Basin and Chubut.
- July 2002: Spain – Early-Late Cretaceous stratigraphy and vertebrates of the Iberian ranges.

Conferences and Symposia

Conference / Symposia organisations

- 46. Treffen des Arbeitskreises Wirbeltierpaläontologie in der Paläontologischen Gesellschaft, 15.-17.03.2019 in Wien, Österreich. Co-organizer: S. Stumpf, C.Pfaff.
- S18 - Functional morphology of the cranium in vertebrates, 5th International Paleontological Congress, Paris, France (July 2018). Co-organizer: C. Pfaff
- 19. Jahrestagung Gesellschaft für Biologische Systematik, Vienna, Austria (February 2018). Co-organizers: C. Pfaff, D. Zimmermann.
- 6th International Meeting on Mesozoic Fishes, Vienna, Austria (August 2013). Co-organizer: C. Pfaff.
- 82nd Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept. 2011)
- Assistant in the organisation of the IGCP 406 Treffens (Circum-Arctic Palaeozoic Vertebrates: Biological and Geological Significance). Organizers Dr. G. Arratia und Dr. H.-P. Schultze. Buckow, Germany. July 1997.
- Assistant in the organisation of the II. International Meeting on Mesozoic Fishes. Organizers Dr. G. Arratia und Dr. H.-P. Schultze. Buckow, Germany. July 1997.
- Assistant in the organisation of the 5th Meeting of the German Ostracodologists. Organizers K. Kussius and K. Oppermann. Berlin, Germany. May 1999.

Conference presentations

- 22nd Annual European Elasmobranch Association Meeting, Peniche, Portugal (Oct. 2018)
 - Talk: The potential fate of the thresher shark – a fossil tale of an alopiid-like shark. (Co-authors: P.L. Jambura (presenter), F.A. López-Romero, B. Pohl).
 - Talk: The evolutionary history of the tiger shark, *Galeocerdo cuvier*. (Co-authors: J. Türtscher (presenter), P.L. Jambura, G. Marramà, R. Kindlimann).
- 5th International Paleontological Congress, Paris, France (July 2018)
 - Talk: Fine-scale diversity analysis of Jurassic Chondrichthyes disproves competition between Jurassic elasmobranch and hybodontiform fishes. (Co-authors: S. Stumpf, presenter).
 - Talk: Predicting competition between †Pycnodontiformes and Ginglymodi (Osteichthyes, Neopterygii) through geologic time based on quantitative analyses of lower jaw features. (Co-authors: G. Marramà, J.J. Cawley).

- Talk: Extinct and extant predators – hunting style reconstruction and phylogenetic distinction of carnivorans based on the vestibular system. (Co-authors: J. Schwab (presenter), C. Pfaff).
- Talk: Extinct and extant predators – hunting style reconstruction and phylogenetic distinction of carnivorans based on the vestibular system. (Co-authors: J. Schwab (presenter), C. Pfaff).
- Talk: Eocene isopods on electric rays: tracking ancient biological interactions in a complex fossil record. (Co-authors: N. Robin (presenter), G. Marramà, R. Vonk, G. Carnevale).
- Talk: The first unambiguous skeletal record for the skates (Batomorphii, Rajiformes) from the early Miocene of Upper Austria. (Co-authors: G. Marramà (presenter), O. Schultz).
- Poster: The youngest marine record of double-armoured herrings: an Eocene paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from Monte Bolca. (Co-authors: G. Carnevale (presenter), G. Marramà, A. Bannikov).
- XVII edizione delle Giornate di Paleontologia, Trento e Predazzo, Italy (June 2018)
 - Talk: Articulated tooth sets of *Ptychodus polygyrus* Agassiz from the Upper Cretaceous of northeastern Italy. (Co-authors: M. Amadori (presenter), J. Amalfitano, L. Giusberti, E. Fornaciari, G. Carnevale).
 - Talk: A reappraisal of the northeastern Italy record of *Ptychodus* (Chondrichthyes, Elasmobranchii). (Co-authors: M. Amadori (presenter), J. Amalfitano, L. Giusberti, E. Fornaciari, G. Carnevale).
 - Talk: Redescription of "*Rhinobatus*" *dezigni*, an Eocene guitarfish from the Bolca Konservat-Lagerstätte, Italy. (Co-authors: M. Varese (presenter), G. Marramà, G. Carnevale, L. Giusberti).
- EURO EVO DEVO, Galway, Ireland (June 2018)
 - Talk: Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*. (Co-authors: F. López-Romero (presenter), C. Klimpinger).
 - Talk: Evolutionary and developmental correlations between teeth and dermal denticles in jawed vertebrates (Gnathostomata). (Co-authors: N.S. Gierlinger, presenter).
- 19. Jahrestagung Gesellschaft für Biologische Systematik (Feb. 2018)

- Talk: Pycnodonts: Could they be the true sister group to teleost fishes? (Co-authors: J.J. Cawley, presenter)
- Talk: The phylogenetic relevance of the unique tooth histology in lamniform sharks (Elasmobranchii). (Co-authors: P.L. Jambura (presenter), C. Pfaff, J. Türtcher, C.J. Underwood, D. Ward).
- Talk: Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*. (Co-authors: F. López-Romero (presenter), C. Klimpfinger).
- Talk: Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea off Croatia. (Co-authors: A. Schipany, presenter).
- Talk: New information on the diversity of Early Jurassic neoselachian sharks and rays and implications for a post-Pliensbachian neoselachian distributional turnover. (Co-authors: S. Stumpf, presenter).
- Talk: Using tooth histology to distinguish morphologically similar shark teeth. (Co-authors: J. Türtcher (presenter), C. Pfaff, P.L. Jambura).
- Talk: Development and patterning of dermal and dental denticles in sharks and shark-related rays (Chondrichthyes, Elasmobranchii): ecological constraints, evolutionary patterns and ontogenetic trends clarifying denticle morphology. (Co-authors: N.S. Gierlinger (presenter), B. Metscher).
- Talk: Body size estimation of great white shark (*Carcharodon carcharias*) from Pliocene to Recent in the Pacific coast of South America. (Co-authors: J. Villafana (presenter), S. Hernandez, A. Alvarado, P. Oyandel-Urbina, C. Pimiento, M. Rivadeneira).
- La primera Reunión de Paleontología de Vertebrados de Chile (Nov. 2017)
 - Key note (invited): Diversity and palaeobiogeographic patterns of Late Cretaceous-Palaeogene Gondwana chondrichthyans
 - Talk (invited): Drivers of post-Jurassic diversity dynamics of southern hemisphere elasmobranchs (Vertebrata, Chondrichthyes). (Co-authors: Mörs, T., Kiessling, W. & Engelbrecht, A.)
 - Annual Scientific Conference of the European Elasmobranch Association, Amsterdam, The Netherlands (Sept. 2017)
 - Talk: Lessons from the past: Diversity dynamics are linked to climate change in elasmobranchs (Vertebrata, Chondrichthyes) in deep-time. (Co-authors: Mörs, T., Reguero, M. A., Kiessling, W. & Engelbrecht, A.)

- Poster: Tooth mineralization and histology in the rare snaggletooth shark, *Hemipristis elongata* (Hemigaleidae; Carcharhiniformes) – evolutionary significance or an ecological adaptation? (Co-authors: P. L. Jambura, Pfaff, C., Underwood, C. J., Ward, D. J.)
- Poster: Dental ontogeny of embryonic tiger sharks (*Galeocerdo cuvier*): a link between tooth development and ovoviviparous reproduction. (Co-authors: Türtscher, J., Pfaff, C., Sato, K., Tomita, T. & Jambura, P. J.)
- Poster: Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea of Croatia. (Co-authors: Schipany, A.)
- Poster: On the occurrence of phosphatic otoliths in cartilaginous fishes (Chondrichthyes, Elasmobranchii). (Co-authors: Pfaff, C., Libowitzky, E., Johanson, Z., Stepanek, R.)
- 77th Annual Meeting of the Society of Vertebrate Paleontology, Calgary, Canada (Aug. 2017)
 - Talk: Diversity dynamics are linked to climate change in cartilaginous fishes (Chondrichthyes, Holocephali Elasmobranchii) from the Eocene of Antarctica. (Co-authors: Mörs, T., Reguero, M. A., Kiessling, W. & Engelbrecht, A.)
 - 7th International Meeting on Mesozoic Fishes, Mahasarakham, Thailand (July-Aug. 2017)
 - Talk: New information about Late Cretaceous pycnodont fishes (Actinopterygii, Pycnodontiformes) from the Near East (Co-author: J.J. Cawley)
 - Poster: Possible sexual dimorphism in *Pankowskichthys libanicus* (Neopterygii, Pycnodontiformes) from the Cenomanian of Lebanon (Co-author: J.J. Cawley)
 - 15th Annual Meeting of the European Association of Vertebrate Palaeontologists, Munich, Germany (Aug. 2017)
 - Talk: Dogs - Lifestyle Change from Arboreal to Terrestrial: 3D Reconstruction of the Bony Labyrinth. (Co-authors: Schwab, J. & Pfaff, C.)
 - Poster: The Evolutionary Significance of Phosphatic Otoliths in Cartilaginous Fishes (Chondrichthyes, Elasmobranchii). (Co-authors: Schnetz, L., Pfaff, C., Libowitzky, E. & Stepanek, R.)
 - Poster: Early Miocene Chondrichthyes from Chile: Paleobiogeographic and Ecological Implications. (Co-authored by Villafañá, J.A., Nielsen, S.N. & Klug, S.)

- 87th Annual Meeting of the “Paläontologische Gesellschaft”, Dresden, Germany (Sept. 2016)
 - Talk: Evolution of feeding mechanisms in aquatic vertebrates revisited. (J. Kriwet)
 - Poster: Big surprise: New information on diversity patterns of Eocene Antarctic chondrichthyes. (Co-authored by Engelbrecht, A., Mörs, T., & Reguero, M.)
- 9th Annual Meeting of NOBIS Austria – Biosystematics from Past to Present, Eggenburg, Austria (Nov. 2015)
 - Poster: Morphological convergences in the inner ear of marsupial Diprotodontia and placental mammals. (Co-authored by Baron, R. & Pfaff, C.).
 - Poster: New information on Eocene Antarctic Chondrichthyan diversity (Co-authored by Engelbrecht, A., Mörs, Th., & Reguero, M.).
 - Poster: Ontogeny of the brown banded bamboo shark (*Chiloscyllium punctatum* Müller & Henle, 1838) and the development of jaws. (Co-authored by Fritz, K. & Abed-Navandi, D.).
 - Poster: Palaeoecology and diversity of Miocene sharks and rays (Chondrichthyes, Elasmobranchii) of the Paratethys. (Co-authored by Fuchs, I. & Schwab, J.).
 - Poster: Reduced ossification in the dentary bone of notothenioid ice-fishes (Teleostei: Perciformes). (Co-authored by Kaineder, G. & Pfaff, C.).
- 75th Annual Meeting of the Society of Vertebrate Paleontology, Dallas, U.S.A. (Oct. 2015)
 - Talk: Tooth-like structures on the rostrum of the Cretaceous batoid *Schizorhiza* (Co-authored by Underwood, C.J., Smith, M.M., Riley, A. & Fraser, G.).
 - Poster: Macroevolutionary patterns of the locomotor system in non-muraenoid eels (Teleostei: Elopomorpha). (Co-authored by Pfaff, C.).
 - Poster: Revision of Eocene Antarctic carpet sharks and ground sharks (Chondrichthyes, Orectolobiformes, Carchariniformes). (Co-authored by Engelbrecht, A., Mörs, T. & Reguero, M.).
- 74th Annual Meeting of the Society of Vertebrate Paleontology, Berlin, Germany. (Nov. 2014)
 - Poster: Diversity of Eocene Antarctic sand tiger sharks (Chondrichthyes, Odontaspidae): Climatic controls or implications for nursery areas?. (Co-authored by E. Engelbrecht, T. Mörs, M. Reguero)
- XXXIII SCAR Biennial Meeting including the Open Science Conference, Auckland, New Zealand (Aug. 2014)
 - Talk: New information on diversity patterns of Eocene Antarctic sharks, skates and rays (Chondrichthyes, Elasmobranchii). (Co-authored by A. Engelbrecht, T. Mörs, C. Schwarz, M. Reguero)

- Poster: Origin of Antarctic ice-fishes (Teleostei, Notothenioidei): Current controversies and facts. (Co-authored by A. Engelbrecht, T. Mörs, C. Schwarz, M. Reguero)
- 40th Annual Meeting of the German working-group "Vertebrate Palaeontology", Laimering, Germany (March 2014)
 - Poster: New information on the cranial anatomy of ice-fishes (Teleostei, Notothenioidei). (Co-authored by A. Engelbrecht, T. Mörs, M. Reguero, C. Schwarz)
 - 73st Annual Meeting of the Society of Vertebrate Paleontology, Los Angeles, U.S.A. (Oct./Nov. 2013)
 - Poster: Evolution of basal gnathostomes egg capsule morphotypes. (Co-authored by Fischer, J., Licht, M. Buchwitz, M. & Bartsch, P.).
 - 10th Annual Meeting of the Gesellschaft für Ichthyologie (GfI), Bonn, Germany (September 2013)
 - Talk: Testing the intra-relationships of carcharhinid sharks using CO1 and different analytical methods. (Co-authored by Veitschegger, K.).
 - Poster: New information on the cranial anatomy of ice-fishes (Teleostei, Notothenioidei) from Antarctica based on micro-CT analyse. (Co-authored by Engelbrecht, A., Mörs, T., Schwarz, C. & Reguero, M.).
 - Poster: New evidence for chondrichthyan polyphyly. (Co-authored by Licht, M., Bartsch, P., Fischer, J. & Schneider, J.).
 - Joint conference of the "Paläontologische Gesellschaft" and the "Palaeontological Society of China" – Palaeobiology and Geobiology of Fossil Lagerstätten through Earth History, Göttingen, Germany (September 2013)
 - Talk: Phylogenetic implications of tooth replacement patterns in stemgroup teleosts (Neopterygii). (Co-authored by Schwarz, C.).
 - Poster: A revision of Eocene Antarctic fishes (Vertebrata: Neopterygii: Teleostei). (Co-authored by Engelbrecht, A., Mörs, T., Schwarz, C., Reguero, M. & Tambussi, C.).
 - Poster: Stratigraphic record, producer assignment and phylogeny of chondrichthyan egg capsule morphotypes (Co-authored by Fischer, J., Licht, M., Schneider, J.W., Buchwitz, M. & Kogan, I.).
 - 6th International Meeting on Mesozoic Fishes; Vienna, Austria (August 2013)
 - Poster: Dental patterns of basal hexanchoid sharks (Elasmobranchii, Hexanchiformes). (Co-authored by Klug, S.).
 - Poster: Turonian pycnodontid fish (Neopterygii, Pycnodontiformes) from northern Germany. (Co-authored by Lehmann, J.).
 - Poster: New information about the palaeobiology of †*Enchodus* sp. (Actinopterygii, Teleostei) from the Cenomanian of Lebanon. (Co-authored by Schwarz, C.).

- 40th Annual Meeting of the German working-group "Vertebrate Palaeontology", Laimering, Germany (March 2013)
 - Talk Development of the Cranium of Chondrichthyan Fishes
 - *BioSyste.EU 2013 Global systematics, Vienna, Austria (Feb. 2013)*
 - Talk On the use of stem- and crown group concepts and the definition of Elasmobranchii and Neoselachii. (Co-authored by Klug, S.).
 - Poster Skeletal morphology and growth of freshwater stingray *Potamotrygon falkneri* (Chondrichthyes, Myliobatiformes) (Co-authored by Stepanek, R.).
- 6th Annual Meeting of NOBIS Austria, Klagenfurt, Austria (Nov. 2012)
 - Poster Taxonomy and faunal relationships of Early Miocene neoselachians (Chondrichthyes, Elasmobranchii) of the western Paratethys. (Co-authored by Rauscher, K & Klug, S.).
 - Poster A simple method to preserve fish material over many decades if not centuries in finest overall quality. (Co-authored by Voigt, S. & Achterhold, K.).
- 83th Annual Meeting of the Paläontologische Gesellschaft, Berlin, Germany (Oct. 2012)
 - Talk Divergence estimates of major squalomorph clades (Chondrichthyes, Neoselachii) and their impact on phylogenetic hypotheses (Co-authored by S. Klug).
 - Talk Molecular Systematics of pupfishes (Cyprinodontiformes, Cyprinodon) from northern Mexico. (Given by S. Voigt; Co-authored by M. Schweizer, S. Hertwig).
 - Poster First Miocene holomorphic stingray (Chondrichthyes, Myliobatiformes, Dasyatidae) from SE Asia (Co-authored by S Klug).
 - Poster First chimeroid, batoid and shark records (Chondrichthyes: Holocephali, Elasmobranchii) from the uppermost horizons (Late Eocene, Tlms 6 and 7) of the La Meseta Formation, Seymour Island, Antarctica (Co-authored by A. Engelbrecht, T. Mörs, M. Reguero, C. Tambussi, R. Stepanek).
 - Poster The significance of CO1 data in reconstructing interrelationships of carcharhinid sharks (Chondrichthyes, Carcharhiniformes) and the systematic position of the blue shark, *Prionace glauca* (Presented by K. Veitschegger).
 - Poster Parallelism in cyprinodontid fishes (Teleostei, Cyprinodontiformes) from northern Mexico indicates rapid morphological evolution without genetic transformations (Presented by S. Voigt; Co-authored by M. Schweizer, S. Hertwig).
 - Poster Finding localities of the Tithonian "Lizard Fish" Saurichthys in Germany (Presented by J.W. Schneider; Co-authored by I. Kogan, J. Sell).
- 39th Annual Meeting of the German working-group "Vertebrate Palaeontology", Neustadt, Germany (March 2012)

- 71th Annual Meeting of the Society of Vertebrate Paleontology, Las Vegas, U.S.A. (Oct. 2011)
 - Talk Origin and diversification of cods and allies (Teleostei, Gadiformes)
 - Poster Node age estimations and the origin of angel sharks, Squatiniformes (Neoselachii, Squalomorphii) (Co-authored by S. Klug).
- 82th Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept. 2011)
 - Poster First Mesozoic chimaeroid fish record (Holocephali, Chimaeriformes) from the Iberian Peninsula with comments on the Palaeoecology of Ischyodus.
 - Poster The Late Cretaceous deep-sea fish assemblage (Chondrichthyes, Actinopterygii) of the island of Timor, SE Asia. (Co-authored by S. Klug)
 - Poster The evolution of freshwater stingrays (Myliobatiformes, Potamotrygonidae) revisited. (Co-authored by R. Stepanek)
- 81th Annual Meeting of the Paläontologische Gesellschaft, Munich, Germany (Sept. 2010)
 - Talk Of genes and fossils: Reconstructing adaptive processes in dog-fish sharks. (Co-authored by S. Klug, N. Straube and U. Schliewen; given by JK)
 - Poster Sharks, rays and skates (Chondrichthyes, Neoselachii) from the Ottnangian of South Germany: Implications for neoselachian diversity of the Miocene Molasse Basin (co-authored by S. Schellhorn and N. Rueckert)
 - Poster Antiquity and origin of angel sharks (Chondrichthyes, Squatiniformes). (Co-authored by S. Klug)
- 9th Annual Meeting of the Paläontologische Gesellschaft, Bonn, Germany (Oct. 2009)
 - Talk Dental patterns and tooth replacement in bony fishes
 - Poster Did men encounter the Megatooth shark? (Co-authored by S. Klug)
 - Poster Tooth replacement in pycnodontiforms (Actinopterygii, Neopterygii). (Co-authored by M. Licht)
- 69th Annual Meeting of the Society of Vertebrate Paleontology, Bristol, United Kingdom (Sept. 2009)
 - Talk Node age estimates of angel and dogfish sharks (Chondrichthyes, Neoselachii) using constrained fossil data and molecular clocks for dating the origin of hypnosqualean and derived "orbitostylic" sharks, respectively. (Co-authored by S. Klug)
- 10th Mesozoic Terrestrial Ecosystems and Biota, Teruel, Spain (Sept. 2009)
 - Talk Environmental Distribution of selachians within the early Cretaceous of NE Spain. (Co-authored by S. Klug)

- 5th International Symposium on Lithographic Limestone and Plattenkalk, Basel, Switzerland (August 2009)
 - Talk A revision of Cow Sharks (Chondrichthyes, Hexanchiformes) from the Jurassic of Europe
- 12th Congress of the European Society for Evolutionary Biology, Torino, Italy (August 2009)
 - Poster Molecular Phylogeny and Node Age Estimation of Lantern Sharks (Elasmobranchii: Etmopteridae) (Co-authored by Straube, N., Iglesias, S.P., Sellos, D.Y. & Schliewen, U.)
- 37th Annual Meeting of the German working-group "Vertebrate Palaeontology", Vienna, Austria (March 2009)
 - Poster Fossil evidence for time node estimates of the origin and deep-water adaptation of dogfish sharks (Squaliformes). (Co-authored by S. Klug)
- 78th Annual Meeting of the Paläontologische Gesellschaft, Erlangen (Sept. 2008)
 - Talk Permian vertebrate food web. (Co-authored by S. Klug (presenter), F. Witzmann & U.H.J. Heidke)
 - Talk A typical near-shore habitat of the Molasse Sea: Taxonomy and ecology of the lower Ottnangian macrofauna from Gurlarn (Passau area, Lower Bavaria) (Co-authored by S. Schneider, B. Berning, M. A. Bitner, R.-P. Carriol, M. Jäger, A. Kroh & W. Werner)
 - Poster Skeletal remains of the Miocene lamniform shark, *Cosmopolitodus hastalis*, from Peru. (Co-authored by S. Klug)
 - Poster New information on Mio-Pliocene Peruvian vertebrate diversity. (Co-authored by S. Klug)
- 1st International Conference on Chondrichthyans – Evolution and Diversity of Chondrichthyans, Warsaw, Poland (Sept. 2008)
 - Talk A new species of extinct bullhead sharks, *Paracestracion vohli* sp. nov. (Neoselachii, Heterodontiformes), from the Upper Jurassic of South Germany
 - Poster Rare neoselachian remains (Chondrichthyes, Elasmobranchii) from the Oligocene of Bad Freienwalde (NE Germany). (Co-authored by K. Ermer)
 - Poster Elasmobranch remains from the Late Jurassic of NW Poland. (Co-authored by N. Hoffmann)
- 6th Conference of the German Society of Ichthyology (GFI), Munich, Germany (2008)
 - Talk Phylogeny and palaeobiology of dogfish sharks. (Co-authored by S. Klug)
 - Poster Confusion in the deep: Morphology and taxonomy of lantern sharks (Squaliformes, Etmopteridae). (Co-authored by N. Straube & U. Schliewen)

- 11th Annual Meeting and Science Conference of the European Elasmobranch Association. Brest, France (Nov. 2007)
 - Poster First articulated skeleton of the extinct lamniform shark "Isurus" hastalis. (Co-authored by S. Klug)
 - Poster Fossil record support molecular evidence of the systematic position of rays and skates. (Co-authored by J. Dummasch & S. Klug)
 - Poster Upper Jurassic neoselachians from Spain in the European context. (Co-authored by A. Pigowske & S. Klug)
 - Poster Males are different: Sexual dimorphism of upper teeth in two species of Lantern Sharks (Chondrichthyes: Etmopteridae). (Co-authored by N. Straube, U. Schliewen & S. Tanaka)
 - Poster Early ontogeny of the frilled shark, *Chlamydoselachus anguineus*, from Suruga Bay, Japan. (Co-authored by B. Stelbrink & S. Tanaka)
- 67th Annual Meeting of the Society of Vertebrate Paleontology, Austin, Texas, U.S.A. (Oct. 2007)
 - Talk Direct evidence of predator-prey-resource interactions in a Permian aquatic ecosystem. (Co-authored by S. Klug & F. Witzmann)
 - Poster Chondrichthyans and actinopterygians across the K-Pg boundary in Patagonia, Argentina. (Co-authored by M. Aberhan, W. Kiessling, R. Scasso & F.A. Medina)
- 77th Annual Meeting of the Paläontologische Gesellschaft, Freiberg, Germany (Sept. 2007)
 - Poster A unique Late Burdigalian paleocommunity from the Upper Marine Molasse (Gurlarn near Passau) Macrobenthic invertebrate and fish fauna. (Co-authored by S. Schneider, B. Berning, M.A. Bitner, R.-P. Carriol, M. Jäger, A. Kroh, W. Werner)
- 34th Meeting of the German working-group "Vertebrate Palaeontology", Freyburg, Germany (March 2007)
 - Poster Diversity and geography patterns of Late Jurassic neoselachians. (Co-authored by S. Klug)
- 66th Annual Meeting of the Society of Vertebrate Paleontology, Ottawa, Canada (Oct. 2006)
 - Poster Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). (Co-authored by S. Klug)
- 76th Annual Meeting of the Paläontologische Gesellschaft, Kiel, Germany (Aug. 2006)
 - Talk New insights into the evolution of deep-sea dogfishes (Chondrichthyes, Squaliformes). (Co-authored by S. Klug)
 - Talk Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). Co-authored by S. Klug (presenter)

- Poster Taxonomy and distribution of Late Jurassic angelsharks (Chondrichthyes: Squatinidae). (Co-authored by M.R. de Carvalho and S. Klug)
- 33rd Meeting of the German working-group "Vertebrate Palaeontology", Greifswald, Germany (March 2006)
 - 65th Annual Meeting of the Society of Vertebrate Paleontology, Mesa/Phoenix, U.S.A. (Oct. 2005). Invited session moderator.
 - Talk Phylogeny and fossil record of squaliform sharks (Chondrichthyes, Neoselachii). (Co-authored by S. Klug)
 - 75th Annual Meeting of the Paläontologische Gesellschaft, Graz, Austria (Sept. 2005)
 - Talk The cranial and dental morphology of pycnodont fishes (Neopterygii, Pycnodontiformes).
 - Talk Revision of synechodontiform sharks (Neoselachii; Galeomorphii). (Co-authored by S. Klug)
 - Poster Phylogeny of Late Jurassic carpetsharks (Neoselachii, Orectolobiformes). (Co-authored by S. Klug)
 - Poster New insights into diversity and distribution of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the lithographic limestones of southern Germany (Upper Jurassic). (Co-authored by S. Klug)
 - 4th International Meeting on Mesozoic Fishes – Systematics, homology, and Nomenclature. Madrid, Spain (August 2005)
 - Talk Revision of Late Jurassic squatinoid sharks (Chondrichthyes, Neoselachii). (Co-authored by D. Thies, A. Mudroch & A. Leidner)
 - Poster Synechodontiform sharks from the Late Cretaceous of Antarctica (Chondrichthyes, Neoselachii). (Co-authored by S. Klug, J.M. Lirio & H.J. Núñez)
 - 1st International Symposium on the Management and Biology of Dogfish Sharks, Seattle, Washington, U.S.A. (June 2005)
 - Talk Phylogeny and Fossil Record of Squaliform Sharks (Chondrichthyes, Neoselachii): Combining Fossil and Extant Taxa
 - 32th Meeting of the German working-group "Vertebrate Palaeontology", Klein-Bottwar, Germany (March 2005)
 - 4th International Symposium on Lithographic Limestone and Plattenkalk, Eichstätt, Germany (August 2004)
 - Poster Late Jurassic carpetsharks (Neoselachii, Orectolobiformes) from South Germany. (Co-authored by S. Klug)
 - Poster Occurrence and diversity of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the Upper Jurassic lithographic limestones of South Germany. (Co-authored by S. Klug)

- 64th Annual meeting of the Society of Vertebrate Paleontology, Denver, Colorado, U.S.A. (Nov. 2004)
 - Talk Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary.
- 74th Annual Meeting of the German Palaeontological Society, Göttingen, Germany (Oct. 2004)
 - Talk Morphological and molecular data in resolving the phylogeny of neoselachians.
- 73rd Annual Meeting of the German Palaeontological Society, Mainz, Germany (Oct. 2003)
 - Talk The evolution of feeding mechanisms in bony fishes.
 - Poster Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary. Co-authored by M. Benton)
 - Poster Diversity and distribution of Cretaceous and Palaeocene fishes of Peninsular India. (Co-authored by G. Arratia, V. Parmar, G. V. R. Prasad)
- ISAES-IX - International Symposium on Antarctic Earth Sciences Alfred-Wegener-Institute for Polar and Marine Research, Potsdam (Sept. 2003)
 - Talk Post-Jurassic Antarctic fish diversity (invited)
- 30th Meeting of the German working-group "Vertebrate Palaeontology", Bensberg, Germany (March 2003)
 - Talk Feeding preferences of fishes (invited)
- 62nd Annual meeting of the Society of Vertebrate Paleontology, Sam Noble Oklahoma Museum of Natural History, Oklahoma, U.S.A. (Oct. 2002)
 - Poster Late Cretaceous fish faunas from the Antarctic Peninsula (Co-authored by H. Nunéz, H. & J.M. Lirío)
- Geo2002, Würzburg (Oct. 2002)
 - Talk Fish diversity in Cretaceous and Tertiary high latitudes of the southern Ocean (invited)
 - Poster Upper Jurassic Vertebrates of Tendaguru, Tanzania. (Co-authored by W.-D. Heinrich & G. Arratia)
 - Poster Kimmeridgian (Upper Jurassic) ostracodes and microvertebrates from the Iberian basin. (Co-authored by with K. Kussius)
- 50th SVPCA Meeting, Cambridge (Sept. 2002)
 - Talk Late Cretaceous and Cenozoic fishes from the Southern Ocean
- XV Congreso Geológico Argentino in El Calafate, Argentina (April 2002)
- 29th Meeting of the German working-group "Vertebrate Palaeontology", Laimering (March 2002).
- XVII Jornadas de la Sociedad Española de Paleontología. Tema Monográfico: Los fósiles y la paleogeografía, Zaragoza (Oct. 2001)

- Talk Palaeobiogeography of pycnodontiform fishes (Actinopterygii, Neopterygii)
- PalBios 2001: 3,5 Billion Years of Biodiversity. Joint Meeting of the Palaeontological Society of Germany and Society for Biological Systematic in Oldenburg, Lower Saxony, Germany (Sept. 2001)
 - Talk The origin of the White Shark *Carcharodon carcharis* (Linnaeus, 1758)
 - 3rd International Meeting on Mesozoic Fishes, Serpiano, Switzerland (August 2001)
 - Talk Systematic position of sclerorhynchid sawfishes (Batomorphii, †Sclerorhynchoidei) and higher-level batoid phylogeny
 - 28th Meeting of the German working-group “Vertebrate Palaeontology”, Kusel, (March 2001)
 - 70th Annual Meeting of the German Palaeontological Society, Coburg, Germany. Sept. 2000
 - Talk: Ecomorphological aspects of pycnodont fishes (Neopterygii, Pycnodontiformes)
 - Poster Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes)
 - Poster Elasmobranchs and actinopterygians from the Maastrichtian (Late Cretaceous) of the south-central Pyrenees (Lleida, Spain). (Co-authored by R. Soler-Gijón and N. López-Martínez)
 - 27th Meeting of the German working group on vertebrate palaeontology in Bensberg, Germany (March 2000)
 - 59th Annual Meeting of the Society of Vertebrate Paleontology, Denver, U.S.A. (Okt. 1999)
 - Poster Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes)
 - 26th Meeting of the German working group on vertebrate palaeontology in Laimering, Germany (March 1999)
 - XIV Jornadas de Paleontología, La Laguna, Tenerife (Oct. 1998)
 - Talk Palaeobiogeography and palaeoecology of sclerorhynchid sawfishes (Chondrichthyes, Rajiformes)
 - 69th Annual meeting of the Paläontologische Gesellschaft, Zürich (Sept. 1999)
 - Talk Cranial anatomy and prey of pycnodont fishes (Neopterygii; Pycnodontiformes).
 - Poster Fish remains from the Late Jurassic of eastern Spain. (Co-authored by K. Kussius)
 - Poster Selachians and actinopterygians from the Early Cretaceous of eastern Spain. (Co-authored by K. Kussius)

- Poster Ostrakoden aus dem Messinium von Karpathos (Dodecanes; Griechenland. (Co-authored by K. Kussius)
- Phylogenetic Symposium. Berlin, Germany (Nov. 1998)
 - International Symposium on Epicontinental Triassic, Halle, Germany (Sept. 1998)
 - Talk Distribution of epicontinental fishes in the German Triassic (invited)
 - 25th Meeting of the German working group on vertebrate palaeontology in St. Virgil, Salzburg. Theme: Ontogeny and Evolution (March 1998)
 - 57th Annual Meeting of the Society of Vertebrate Paleontology, Field Museum Chicago Illinois, U.S.A. (Okt. 1997)
 - Poster First articulated shark remains (Neoselachii, Lamniformes, Anacoracidae) from the Late Cretaceous of Spain (Co-authored by K. Oppermann)
 - IV Congreso de Jurásico de España, Grupo Española del Mesozoico: El Jurásico de Iberia y de las Cuencas Peritéticas. Alcañiz, Spain (Sept. 1997)
 - Talk Late Jurassic fishes (Pisces: Elasmobranchii, Actinopterygii) of the Iberian Peninsula (invited)
 - 2nd International Meeting on Mesozoic fishes – Systematics and the fossil record. Buckow, Germany (July 1997)
 - Talk Pycnodontid fishes from the upper Barremian (Lower Cretaceous) of Uña (Cuenca Province, E-Spain)
 - Poster Fish remains from the lower Barremian (Lower Cretaceous) of the central Iberian Range, NE-Spain
 - 24th Meeting of the German working group on vertebrate palaeontology in Kerkrade, The Netherlands (March 1997)
 - 56th Annual Meeting of the Society of Vertebrate Paleontology, New York, U.S.A., (Oct. 1996)
 - Poster Paleoeological implications of sharks from the lower Barremian of Galve and Alcaine, Province of Teruel, Spain (Co-authored by K. Kussius)
 - 2nd International Symposium on Lithographic Limestones, Cuenca, Spain (July 1995)
 - Poster Elasmobranchian remains from the lower Barremian of north-eastern Spain (Province of Teruel): Preliminary report
 - 66th Annual meeting of the German Palaeontological Society, Leipzig, Germany (Sept. 1996)
 - 1st International Meeting on Mesozoic Fishes - Systematics and Palaeoecology, Eichstätt, Germany (August 1993)

Invited talks

- 28.11.2017: “Diversity and palaeobiogeographic patterns of Late Cretaceous-Palaeogene Gondwana chondrichthyans”. – Primera Reunión de Paleontología de Vertebrados de Chile (IRPVC 2017) (Key note).
- 11.04.2012: “Origin and evolution of sharks, rays and skates.” – Scientific colloquium, Palaeontological Institute, University of Zürich, Switzerland.
- 03.2008: “Pycnodont fishes: Ancestors or extinct sideline of coral fishes?” – Scientific colloquium, Palaeontological Institute, University of Zürich, Switzerland.
- 10.01.2006: “Evolution of Antarctic Fish.” – Geologisches Landesamt Bayern, Munich.

Social Commitment

- 10.2017 – 10.2018: Immediate Past President, “Kiwanis Club Belvedere, Vienna”
- 10.2016 – 10.2017: President “Kiwanis Club Belvedere, Vienna” for legislative period 2016/17
- 10.2015 – 10.2016: Vice-President “Kiwanis Club Belvedere, Vienna” for legislative period 2015/16
- 11.2013 – 01.2017: Database manager of “Kiwanis Club Belvedere, Vienna”
- since 11.2013: Charter member “Kiwanis Club Belvedere, Vienna”
- since 2012: Member of Kiwanis International