

Curriculum Vitae

Jürgen Kriwet

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

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Address

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<https://palaeontologie.univie.ac.at/en/research/evolutionary-morphology-research-group-evomorg/>

Personal Details

- Date of Birth: 6th August, 1967
- Place of Birth: Landsberg a. Lech, Germany
- Nationality: German
- Status: Married

University 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. [unpublished]
- 09.07.2001: Dissertation in Biology, Humboldt University Berlin
Titel of PhD thesis: *A comprehensive study of pycnodont fishes (Neopterygii, Pycnodonti-formes) – Morphology, Taxonomy, Functional Morphology, Phylogeny, and Palaeobiogeography*. – 580 pp.
- Sept. 1989 – Sept. 1995: Diploma studies, Geology and Palaeontology, Department of Earth Sciences, Free University of-Berlin, Germany
Title of palaeontological diploma thesis: *Elasmobranchian remains (Chondrichthyes: Hybodontoides, Neoselachii) from the Lower Cretaceous (lower Barremian) of Galve and Alcaine (Provinz of Teruel, NE Spain)*. – 161 pp. + 8 plates [in German; unpublished]
Title of geological diploma thesis: *Geology of the southern part of the Island of Alonnisos (Northern Sporades, Greece)*. – 57 pp. + 1 geological map (1:10.000) [in German; unpublished]

Professional Experience

- since Sept. 2010: Full Professor (Univ.-Prof.), Chair of Palaeobiology with special focus on Vertebrate Palaeontology
- Feb. 2016 – Feb. 2020: Accreditation for „Cooperation Organisation for Vocational Education, Training and the Labour Market (SBB)“, dual Dutch university system
- Jan. 2009 – Sept. 2010: Research Associate at Department of Earth Sciences, University of Bristol, United Kingdom
- Oct. 2008 – Sept. 2010: Curator and Head of Section, 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, Research 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: Research 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 Department of Palaeontology (Oct. 2018 – Oct. 2019)

Head of Department of Palaeontology (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 (FGGA) (Oct. 2011 – Oct. 2016)

Main responsibilities were all infrastructure agendas (organization and strategic construction planning of laboratories and offices, car pool management, etc.). Additional duties included line management of academic and technical support staff, budget planning, IT coordination.

Head of Department of Palaeontology (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 Faculty 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 of Geosciences, Geography and Astronomy:

- Member of “Study Conference SPL28” (since June 2018)
- Member (substitute) of the “Faculty Conference” (since April 2018)
- Member, Doctoral Advisory Board “Earth” (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)

Faculty of Life Sciences:

- Deputy Speaker PhD School “Ecology and Evolution (since Oct. 2020)

University:

- Member of Manging Board of Research Network ‘Human Evolution and Archaeological Sciences (HEAS)’ (since 09.2021)
- Member of the Steering Committee of the “Doctoral School of Ecology and Evolution” (since 05.2019)
- 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 Evaluation Panel of the *Czech Academy of Sciences* (CAS) (Phases II) for panel Earth and related environmental sciences (31.01.2021-14.05.2021; on-site visit (online): 15. – 19.03.2021)
- Member of Evaluation Panel of the *Czech Academy of Sciences* (CAS) (Phases I: *Evaluation of research and professional activity of research-oriented institutes of the Czech Academy of Sciences for 2015–2019*) for panel Earth and related environmental sciences (01.04.2020-30.06.2020; appointed 26.11.2019)
- Member of PhD Board, Università degli Studi di Padova, Italy (since 06.02.2019)
- Member of Peer Review Panel of the *Czech Academy of Sciences* (CAS) (Phase I) for 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) (Jan. – Dec. 2011)

SERVICES FOR RESEARCH COUNCILS

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

SERVICES FOR LEARNED SOCIETIES

- Member of “NOBIS Austria” price committee 2015
- Secretary of “Paläontologische Gesellschaft” (October 2005 – October 2009)

EDITORIAL AND ADVISORY BOARD SERVICES

- Member of Editorial Board of *Scientific Reports* (since July 2022)
- Member of Editorial Board of *Diversity* (since October 2019)
- 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

- Regular reviewer for Scientific Journals (ca. 30 – 40 reviews/year) from different disciplines (Biology, Zoology, Palaeontology) including top leading journals such as Nature, Science, Scientific Reports.
- Reviewer for Special Volumes: Mesozoic Fishes 3 [eds Arratia, G. & Tintori, A.; 2004]; Recent Advances in the Origin and Early Radiation of Vertebrates [eds ARRATIA, G., CLOUTIER, R. & WILSON, M.V.H.; 2004]; Mesozoic Fishes 4 [eds ARRATIA, G. & SCHULTZE, H.-P. & WILSON, M.V.H.; 2008]; Arthur Smith Woodward: His Life and Influence on Modern Vertebrate Palaeontology [eds JOHANSON, Z., BARRETT, P.M., RICHTER, M. & SMITH, M.; 2016]; 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; 2016]; Proceedings of the Third Georges Cuvier Symposium [ed. E. BUFFETAUT; 2016]; Evolution and Development of Fishes [eds JOHANSON, Z., UNDERWOOD, C., RICHTER, M.; 2019]

REFEREE FOR PROMOTION AND TENURE

PhD commissions

- 10.2020 E. MANZANARES UBEDA. *Chondrichthyans from the Spanish Triassic (westernmost Tethys) with remarks on the evolution of chondrichthyan enameloid*. Programa de doctorado de Biodiversidad y Biología Evolutiva, Universidad de València.
- 01.2018 A. ENGELBRECHT. *Evolutionary Dynamics of Eocene Antarctic Cartilaginous Fishes (Chondrichthyes, Holocephali, Elasmobranchii)*. Faculty of Earth Sciences, Geography and Astronomy, University of Vienna. Head of commission.
- 10.2014 A. 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.
- 07.2013 R. CARLO. *Faunal changes across the Triassic/Jurassic boundary*. University of Zürich, Switzerland.
- 06.2013 M. LICHT. *Holocephali: their phylogeny and relationship to Elasmobranchii and Placodermi*. University of Freiberg, Germany.
- 03.2012 K. BASTL. *Ecomorphology of the European Hyaenodon*. University of Vienna, Austria. Head of commission.
- 12.2012 J. FISCHER. *Palaeoecology and migration behaviour of the Palaeozoic to Mesozoic freshwater sharks Lissodus and Orthacanthus using stable isotopes*. University of Freiberg, Germany.
- 02.2011 W. C. MELLO. *Relações filogenéticas dos tubarões-martelo (Elasmobranchii: Sphymidae), com ênfase em morfologia*. Universidade do Estado do Rio de Janeiro, Brazil.
- 11.2010 D. MARJANOVIĆ. *Phylogeny of the limbed vertebrates with special consideration of the origin of the modern amphibians*. University of Vienna, Austria. Head of commission.
- 06.2006 A. HERZOG: *The bony fish fauna from the Prosanto-Formation (Middle Triassic, GR) – Systematics, functional morphology and Palaeoecology*. University of Zürich, Switzerland.

Habilitation commission member

- 05.2016 A. LUKENEDER. University of Vienna, Austria.
- 11.2015 F. GRIMMSON. University of Vienna, Austria.
- 11.2006 G. CUNY. University of Lyon, France.

Referee for tenure evaluation (Associate Professor level)

- 2011 K. SHIMADA, PhD. DePaul University, Chicago, U.S.A.
- 2019 T.D. COOK, PhD. Behrend College, Pennsylvania State University, U.S.A.

Research, Mobility and Infrastructure Grants

- 27.09.2021: Research grant of the Austrian Science Fund (FWF, P 35357) for 3 years: “Reassessment of Late Jurassic elasmobranch fishes of Europe” including consumables and salaries for a postgraduate student (A. Begat, MSc) and postdoc (Dr. E. Villalobos Segurra). Total: € 376,935.94. Start: 01.01.2022.
- 30.06.2020: Research grant of the Austrian Science Fund (FWF, P 33820) for 3 years: “Evolution and extinction risks of sharks, rays, and skates” including consumables and salaries for two postgraduate students (PhD students Julia Türtscher and Patrick L. Jambura). Total: € 299,282.43.
- 19.02.2020: Infrastructure grant of the University of Vienna: Raid6 server for data storage of micro-CT scans and X-rays (€ 33.480,00)
- 30.06.2019: Research grant of OeAD (Ernst-Mach Grant scheme) for 9 months: “The durophagous Cretaceous shark *Ptychodus* (Chondrichthyes, Elasmobranchii): Taxonomy, dental evolution and palaeobiological implications.” Start 01.09.2019. Scholarship for postgraduate student (PhD student Manuel Amadori, Univ. Padua, Italy). Total: € 9.500,00.
- 01.05.2019: Research grant of the National Secretariat for Science, Technology and Innovation Panama (SENACYT) for 3 years: “Cretaceous Fossil Record of Northern South American fishes (Actinopterygii) in Global context During the Oceanic Anoxic Events”. Start 01.09.2019. Including scholarship, health insurance, travel support for a postgraduate student (PhD student Carlos De Gracia). Total: € 70.000,00.
- 16.04.2019: Participation in Collaborative Research NSF grant (award number 1842049 for 3 years: “Integrating Eocene Shark Paleoecology and Climate Modelling to reveal Southern Ocean Circulation and Antarctic Glaciation”. PI Dr. Sora Kim (University of California). Total: \$297,395.00.
- 03.2018: Infrastructure grant of the University of Vienna: “3D Digital Microscope Keynce VHX-6000“. Total: € 95.676,00.
- 10.2017: Research grant of the Austrian Science Fund (FWF, M 2368 Meitner-Programm) for 2 years: “Eocene cartilaginous fishes of the Bolca lagerstätte, Italy”. Including salary and consumables for post-doc student (Dr. G. Marramà). Total: € 153.340,00.
- 03.2017: Infrastructure grant of the University of Vienna: “Zeiss Stereomikroskop SteREO Discovery.V20“ for 3D Imaging Lab extension. Total: € 55.277,64.
- 10.2016: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): “Outfit of PhD offices”. Total: € 2.541,00.
- 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 student John J. Cawley) and an assistant student (36 months). Total: € 236.886,96.

- 08.2016: Ernst Mach Grant for 9 months: "Sharks (Chondrichthyes, Elasmobranchii) from the Eocene of the Monte Bolca Konservat-Lagerstätte, Italy" Including scholarship for postdoctoral student (Dr. G. Marramà). Total: € 9.360,00.
- 05.2016: Research grant of the National Commission for Scientific and Technological Research Chile (CONICYT) for 4 years: "Miocene Moalsse and Paratethys Chondrichthyans in the global context". Including scholarship and health insurance for a postgraduate student (PhD student: Jaime Andres Villafaña Navea). Total: € 80.000,00.
- 03.2016: Infrastructure grant of the University of Vienna: "3D Recon Lab" (2 highperformance computers and Amira software package licences). Total: € 33.480,00.
- 10.2015: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): "Special Accuracy Weighting Machine (Feinwaage)". Total: € 28.894,20.
- 04.2015: Research grant of SHARKPROJECT Austria for MSc project entitled "Past and present diversity patterns of chondrichthyans of the Kvarner Bay, Croatia" Total: € 2.500,00 EUR.
- 10.2014: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): "Extension of fish tank facility". Total: € 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.
- 03.2013: Infrastructure grant of the University of Vienna: "Equipment upgrade for micro-CT and Keyence 3D-microscope". Total: € 10.000,00.
- 12.2009: Two years extension of research grant of "Deutsche Forschungsgemeinschaft (DFG)" project DFG KR 2307/3-2 (ended 31.12.2011)
- 12.2009: Two years extension of research grant of "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*". Total: € 15.000,00.
- 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).

- 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).
- 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 students (18 months).
- 11.2005: Travel grant of the DFG to Denver, U.S.A. (Meeting of the SVP).
- 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 month).
- 04.1993: Student fellowship of ERASMUS/LINGUA program for 6 months, University of Patras, Greece.

Awards and Recognitions

- 08/2022: *Nominated and invited to become full member of Sigma Xi – The Scientific Research Honor Society* in recognition of scholarly achievements and contributions to the advancement of knowledge.
- 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 *Palaeogeography, Palaeoclimatology, Palaeoecology* in the years 2015 – 2016).

- 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).
- 08.2006: Award for poster presented at 76th Annual Meeting of the Paläontologische Gesellschaft in Kiel (Germany).
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Graz (Austria).
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Göttingen (Germany).

Academic / Professional Societies

- Sigma Xi - The Scientific Research Honor Society
- Society of Vertebrate Paleontology
- German Palaeontological Society
- Gesellschaft für Ichthyologie (GfI)
- Österreichische Paläontologische Gesellschaft
- Network of Biological Systematics Austria (NOBIS)

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)
- Research conducted in our lab was highlighted in 101 print, radio and TV media since 2007.

Current Working Group

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

- Dr. Sebastian Stumpf: Postdoc-Assistant
- Dr. C. PFAFF: Research Scientist & Head of micro-CT lab.
- Dr. J. J. CAWLEY: Postdoc
- Dr. M. AMADORI: micro-CT Technician & Research Scientist
- Dr. G. MARRAMÀ: Research Associate

PhD students

- A. BEGAT: Taxonomy, palaeodiversity, and palaeoecology of Jurassic elasmobranchs of NE-Spain
- C. DE GRACIA: Cretaceous Fossil Record of NorthernSouth American fishes (Actinopterygii) in Global context During the Oceanic Anoxic Events.
- P. JAMBURA: Evolutionary history of lamniform sharks (Chondrichthyes, Elasmobranchii)
- C. KLIMPFINGER: Evolutionary and diversity patterns of deep-sea cartilaginous fishes (Chondrichthyes, Elasmobranchii).
- F. LÓPEZ ROMERO: Developmental aspects of cartilaginous fishes for understanding trait evolution in deep-time (Chondrichthyes, Elasmobranchii) (Praedoc-Assistant, Uni. Vienna).
- J. TÜRTSCHER: Dental traits and the evolution of elasmobranch fishes

MSc students

- G. GORCZYŃSKI: Fossil record of Antarctica teleostean fishes and the origin of ice-fishes
- K. HOLZINGER: A short-snouted crocodyliform from the Late Cretaceous Gosau Fm. of Austria.
- L. MATHIASHTZ: Comparative morphology and histology of chondrichthyan egg cases.
- M. STAGGL: Cranial development of bamboo sharks (Elasmobranchii, Hemiscyliidae).
- K. STROBEN: Evolutionary history of the somniosid sharks (Chondrichthyes, Squalomorphii).

Director of Previous Students (chronological order)

PhD Students

University of Vienna, Austria

- J. ANDRES VILLAFANA NAVEA: Insights into Cenozoic fishes (Chondrichthyes, Teleostei) from South America and Europe (2022)
- J. CAWLEY: New perspectives on pycnodont fishes (Neopterygii, Pycnodontiformes) concerning evolutionary success, niche partitioning, extinction and taxonomy (2021)
- A. ENGELBRECHT: Evolution and diversification of post-Cretaceous Antarctic fishes (2018).

University of Padua, Italy

- J. AMALFITANO: Late Cretaceous chondrichthyans and palaeoenvironments of northern Italy (Univ. Padua, co-supervisor) (2019).

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

- S. CZERNY: Marsupial morphology of the inner and middle ear.
- M. HERKE: Comparative morphology and prey capture in pikes (*Esox* spp.) and gars (*Lepisosteus* spp.) (2015).
- P. WIESINGER: Cranial anatomy of stomiid fishes.
- K. ZRAUNIG: Conservation and fishery impacts related to shark attacks on humans (2016).

MSc Students

University of Vienna, Austria

- M. WIDMANN: Colour change in Lethrinidae (Actinopterygii, Perciformes) and insights into ecology (2021).
- P. ABDALLA: The effect of ecology and phylogeny on the skull shape of extinct crocodylians (Crocodyliformes, Archosauria) as indicated by morphometric analyses (2020).
- P. STÜBER: Relationships between caudal fin shape and ecomorphology in sharks (2020).
- F. WEGAN: Biomechanics of the shoulder and pectoral muscle during gliding flight in *Anhanguera piscator* (Archosauria, Pterosauria) from the Lower Cretaceous of Brazil (2020).
- J. TÜRTSCHER: Tooth replacement and histology patterns in orectolobiform and tiger sharks (Chondrichthyes, Elasmobranchii) (2019).
- A. BEGAT: Late Cretaceous elasmobranchs (sharks and rays) from the Austral Basin of Patagonia, South America (2019).

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

Free University of Berlin, Germany

- 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).
- H. MEWIS: Diversity and fossil record of mackerel sharks (Elasmobranchii, Lamniformes) with special reference to Miocene lamniforms from Groß-Pampau (Schleswig-Holstein) (2008).

Hohenheim University of Stuttgart, Germany

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

Humboldt-University Berlin, Germany

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

Ludwig-Maximilians-University of Munich, Germany

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

Université de Bourgogne, Dijon, France (Dep. Sciences bie terre et environment)

- A. BEGAT: Late Cretaceous elasmobranchs (sharks and rays) from the Austral Basin of Patagonia, South America (2019)

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

- OFFENBERGER, D. Dental morphologies and taxonomic identity of the prehistoric shark, "*Isurus*" *hastalis*. (2021).
- MENEWEGER, E. Body size estimations of extinct sand tiger sharks, †*Striatolamia macrota*, from the Eocene of Antarctica (2021).

- SCHWAIGER, M. Morphological studies on teeth of freshwater stingrays (Chondrichthyes, Potamotrygoninae) (2021).
- FÜBY, F.-S: Evolutionary trajectories in the ilium of sauropodomorph dinosaurs (2021).
- P. ETZLER: Jurassic diversity patterns of carnivorous archosauromorphs (2019).
- C. JANICZEK: Phenotypic plasticity in the vertebral column of a Miocene freshwater fish (2019)
- A. SISTANI: Taphonomy of bird remains from Pleistocene caves of Austria (2018).
- F. WEGAN: Late Cretaceous pterosaurs (Vertebrata, Reptilia) from Austria (2018).
- F. DE ROSSI: Reconstruction of the Austrian nodosaurid dinosaur, *Struthiosaurus austriacus* from the Late Cretaceous of Austria (2018).
- P. ABDALLA: Revision of Late Cretaceous crocodiles (Tetrapoda, Crocodyliformes) 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).
- T. HAZOD: Teeth and rostral spines in the sclerorhynchid sawfish, *Libanopristis* (Chondrichthyes, Elasmobranchii) (2016).
- R. CASPERS: Cranial morphology of placoderm fishes. (student of “Helicon MBO”, Apeldoorn, dual Dutch university system) (2016).
- I. FUCHS: Palaeoecology and distribution of early Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (2015).
- J. SCHWAB: Palaeoecology and distribution of middle Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (2015).
- L. CLARA: Palaeoecology and sedimentology of the fossil locality of Hipplès, Lower Austria (in German) (2014).
- Lydia BAUMANN: Spontaneous calcification of vertebrate collagen provides new insights into the appearance of skeletons in early vertebrates (2012).
- G. KAINEDER: Less for Success Reduced Ossification in the dentary bone of notothenioids (Teleostei, Perciformes) (2015).

Current Scientific Collaborations

In alphabetic order:

M. Benton (Univ. Bristol, UK), **G. Carnevale** (Univ. Torini, Italy), **J. E. Eastman** (Ohio University, U.S.A.), **J. Fischer** (Urweltmuseum Geoskop, Thallichtenberg, Germany), **G. Fraser** (University of Florida, USA); **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), **G. Naylor** (University of Florida); **M. A. Reguero** (Museo de la Plata, Argentina), **W. Schwarzhans** (Zoological Museum, Copenhagen, DK), **K. Sato** (Okinawa Churaumi Aquarium, Japan), **M. Meredith Smith** (King's College, London, UK), **S. Tanaka** (Shimizu University, Japan); **C.J. Underwood** (Birbeck College, London, UK); **W. Wen** (Chengdu Institute of Geology and Mineral Resources, Chengdu, China)

Field Work (related to long-term projects)*

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

- November 2019: Early Triassic Recovery of organisms after the P/T extinction event. Fieldwork in SW China.
- August 2018: Early and Middle Triassic (Luoping Biota) fishes from China.
- November 2017: Cenozoic elasmobranchs of Chile.
- July 2013: Carinthia 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 and Symposium Organisations

- 2nd International Electronic Conference on Diversity (IECD 2022), Online (March 15-31, 2022 [Event Committee]).
- 92nd Annual Meeting of the Palaeontological Society, Vienna (Oct. 2021). Co-organizers: S. Stumpf, C. Pfaff, P.L. Jambura, J. Türtcher, J. Wukovits.
- “Pre” – International Conference for Archaeozoology, Fish Remains Working Group, Online (23.08.2021). Co-organizers: A. Galik, G. Haidvogel, G.K. Kunst, A. Pircher.
- 46. Treffen des Arbeitskreises Wirbeltierpaläontologie in der Paläontologischen Gesellschaft, Vienna, (May 2019). Co-organizers: S. Stumpf, C. Pfaff.
- Symposium “Fossil fishes in the context of evolution, environments and biogeography”, 90th Annual Meeting of the Paleontological Society (Paläontologische Gesellschaft) (Sept. 2019).
- Symposium18 - 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.

Member of Scientific Conference Committees

- “3rd Palaeontological Virtual Congress”, Dec. 2021
- “2nd Palaeontological Virtual Congress”, May 2020
- “13th Symposium on Mesozoic Terrestrial Ecosystems and Biota (MTE13)”, July 2018

Conference Presentations

- PALEODAYS 2022 - XXII Edizione delle Giornate di Paleontologia Asti (June 2022)
 - Talk The evolutionary origin of the durophagous pelagic stingray ectomorph (Co-authors: Marramà, G. (presenter), Villalobos-Segura, E., Kriwet, J. & Carnevale, G.).
- The 2nd International Electronic Conference on Diversity (IECD 2022) - New Insights into the Biodiversity of Plants, Animals and Microbes, Online (March 2022)
 - Talk Early diversity patterns of elasmobranch fishes (sharks, rays): A deep time perspective (invited speaker)
- 8e Rencontres de l'Ichthyologie en France, Paris, France (March 2022).
 - Talk New insights into the evolution of billfishes (Teleostei, Istiophoridae) (Co-authors: De Gracia, C., presenter).
 - Talk Elasmobranch fishes from the Cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. (Co-authors: Begat Arnaud (presenter), Gelfo, J.N., Goin, F.J., Gouiric Cavalli, S., Schultz, J.A., Martin, T.)
- 92nd Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept./Oct. 2021)
 - Talk Elasmobranch fishes from the cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. (Co-authors: Begat, A. (presenter), Goin, F.J., Gelfo, J.N., Gouiric-Cavalli, S., Schultze, J.A., Martin, T.).
 - Talk Comparative morphology between extinct and extant forms provides evidence for earlier radiation in istiophorid billfishes (Teleostei, Istiophoriformes). (Co-authors: De Gracia, C. (presenter), Rodriguez, F., Aguilera, O., Jaramillo, C.).
 - Talk Living on the edge – diversity patterns of hybodontiform shark-like hondrichthyans prior to the biotic turnover at the Jurassic–Cretaceous transition. (Co-authors: Stumpf, S. (presenter), Underwood, C.J., Cuny, G.).
 - Talk Unravelling the biology of the nodosaurid dinosaur *Struthiosaurus austriacus* from the Late Cretaceous of Austria. (Co-authors: Schade, M. (presenter), Stumpf, S., Kettler, C., Pfaff, C.).
- 26. Jahrestagungen der Österreichischen Paläontologischen Gesellschaft, Haus der Natur, Salzburg (Sep. 2021)
 - Talk A lucky find - 325 million year old teeth represents the oldest sharks of Austria. (Co-authors: I. Feichtinger (presenter), A. O. Ivanov, V. Winkler, C. Dojen, R. Kindlimann, G. Schraut, S. Stumpf).
- XXI Edizione delle Giornate di Paleontologia, Bologna, Italy (June 2021)

- Talk Diversity, palaeoecology and palaeoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. (Co-authors: G. Marramà (presenter), Giorgio Carnevale).
- 79th Annual Meeting of the Society of Vertebrate Paleontology, Brisbane, Australia (Oct. 2019)
 - Talk Investigation of the evolutionary success and extinction of pycnodont fishes using quantitative methods. (Co-authors: J.J. Cawley (presenter), G. Marramà, G. Carnevale.)
 - 3rd International Workshop on the Toarcian Oceanic Anoxic Event, Erlangen, Germany (Sept. 2019)
 - Talk On the diversity of Early Jurassic cartilaginous fishes across the Toarcian Oceanic Anoxic Event (Co-authors: S. Stumpf (presenter) & F.A. López-Romero)
 - 90th Annual Meeting of the Paleontological Society (Paläontologische Gesellschaft) (Sept. 2019)
 - Talk Success and demise of pycnodont fishes (Neopterygii, †Pycnodontiformes) (Co-authors: G. Marramà, G. Carnevale & J.J. Cawley).
 - Talk A new Eocene batoid fish (Elasmobranchii, Myliobatiformes) from Monte Bolca (Italy) reveals an extinct body plan for stingrays (Co-authors: G. Marramà (presenter), G. Carnevale, L. Giusberti & G.J.P. Naylor).
 - Talk Of teeth and spines: The riddle of Strophodus' (Hybodontiformes, Chondrichthyes) validity (Co-authors: S. Stumpf (presenter), F. López-Romero & R. Kindlimann).
 - 12th International Congress of Vertebrate Morphology (ICVM), Prague, Czech Republic (July 2019)
 - Talk Drivers of taxonomic and functional diversity in extinct non-teleostean neopterygians (Osteichthyes, Actinopterygii) (Co-authors: G. Marramà, G. Carnevale & J.J. Cawley)
 - Talk Evolutionary trends and the phylogenetic relevance of tooth mineralization patterns in sharks (Chondrichthyes; Elasmobranchii) (Co-authors: P.L. Jambura (presenter), J. Türtcher, R. Kindlimann, G. Marramà, B. Metscher, Pfaff, C., S. Stumpf, C.J. Underwood & D.J. Ward).
 - Talk An Eocene myliobatiform (Chondrichthyes, Elasmobranchii) from Monte Bolca (Italy) defines a new, basal body plan for pelagic stingrays (Co-authors: G. Marramà (presenter), G. Carnevale & G.J.P. Naylor).
 - Talk Never change a winning team: the Jurassic skeletal fossil record of †Hybodontiformes reveals new insights into taxonomic diversity and ecomorphological disparity of Mesozoic (Co-authors: S. Stumpf (presenter), F. López-Romero & R. Kindlimann).

- Talk The origin and evolution of the tiger shark genus *Galeocerdo* (Elasmobranchii, Carcharhiniformes) revisited (Co-authors: J. Türtcher (presenter), P.L. Jambura, G. Marramà & R. Kindlimann).
- Poster Timing of jaw shape remodelling during development in bamboo shark and catshark (Chondrichthyes: Galeomorphii) to promote species-specific feeding mechanisms (Co-authors: F. López-Romero (presenter) & D. Abed-Navandi).
- Comparative Cartilage Biology Conference – Integrating Biomaterials - Biomedicine – EvoDevo of Cartilage, Banyuls sur Mer, France (June 2019)
 - Talk Timing of jaw shape remodeling in sharks development to establish species-specific feeding mechanisms (Co-authors: F. López-Romero (presenter) & D. Abed-Navandi).
- 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. Türtcher (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 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 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. Marramá, G. Carnevale, L. Giusberti).
- Poster 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).
- Poster: A paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from the Eocene of Monte Bolca: the youngest marine record of double-armored herrings. (Co-authors: G. Carnevale (presenter), G. Marramá, A.F Bannikov).
- 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. Klimpfinger).
 - 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: Türtcher, 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 Villafaña, 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.
 - 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, Carchariniiformes). (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.).
 - 16th Annual Scientific Conference of the European Elasmobranch Association, Milan, Italy (Nov. 2012)
 - Poster Morphological description and comparison of a growth series of *Potamotrygon falkneri* from South America (Co-authored by R. Stepanek).
 - 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, Tels 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)
 - 15th Annual Scientific Conference of the European Elasmobranch Association, Berlin, Germany (Oct. 2012)
 - Poster A review of the evolution of potamotrygonid freshwater stingrays (Chondrichthyes, Myliobatiformes) (Co-authored by R. Stepanek).
 - 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)
 - 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 (presenter), 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 vlohli* 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 (presenter), B. Berning, M.A. Bitner, R.-P. Carriol, M. Jäger, A. Kroh, W. Werner)

- 34th Meeting of the German working-group "Vertebrate Palaeontology", Freiburg, 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 Espanola del Mesozoico: El Jurásico de Iberia y de las Cuencas Periteticianas. 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

- 24.03.2022: “Early diversity patterns of elasmobranch fishes (sharks, rays): A deep time perspective. – The 2nd International Electronic Conference on Diversity (IECD 2022) - New Insights into the Biodiversity of Plants, Animals and Microbes, Online.
- 11.01.2021: “Of genes and fossils: Reconstructing adaptations in deep-time”. – LMU Munich, Biocenter, Department of Biology II and GeoBio-Center.
- 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