



**GeoBio-Center^{LMU}
Report 2012/2013**

GeoBio-Center^{LMU} Report 2012/2013



GeoBio-
Center
LMU München

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Contents

Welcoming note.....	3
Achievements of the GeoBio-Center ^{LMU} members 2012 & 2013 at a glance.....	4
Members of the GeoBio-Center ^{LMU}	5
Publications in ISI-indexed Journals.....	8
Other peer-reviewed Publications	15
Further Publications	17
Grants and Stipends	19
Presentations on Conferences and Symposia.....	21
Teaching.....	29
Theses and Habilitations.....	32

Welcoming note

Dear Ladies and Gentlemen, dear Colleagues,

with great pleasure we present here the GeoBio-Center^{LMU} biannual report for the years 2012 and 2013. These two years continued to be highly successful and productive for the members of the GeoBio-Center^{LMU} in terms of publications, teaching, funding, and public outreach. Several publications in high impact journals and accompanying press releases put the GeoBio-Center^{LMU} and its members into the focus of media interest and raised significant attention in both the scientific world and the general public. I would like to thank all colleagues for these excellent achievements and increase in visibility of the GeoBio-Center^{LMU}.

Our commitment to teaching interdisciplinary subjects in (paleo)biodiversity and geobiology intensified with successful start of the new LMU International Master's Program 'Geobiology & Paleobiology' (MGAP), under the umbrella of the GeoBio-Center^{LMU}, with the Faculty of Biology of the LMU and the Bavarian State Collections (SNSB) participating. In addition, GeoBio-Center^{LMU} members take leading roles in the Master's Program 'Geomaterials and Geochemistry' and the new International Master's Program 'Geology', thereby contributing significantly to the GeoBio-Center's central mission of promoting interdisciplinary research, teaching, and knowledge transfer.

I would like to thank and congratulate all members of the GeoBio-Center^{LMU} for their excellent contributions in the past two years!

With the very best regards

Prof. Dr. Gert Wörheide
Spokesman of the GeoBio-Center^{LMU}



*Prof. Dr. Gert Wörheide
Spokesman of the
GeoBio-Center^{LMU}*

Achievements of the GeoBio-Center^{LMU} members 2012 & 2013 at a glance¹⁾

Grants and stipends²⁾: 49

Publications in ISI-indexed journals: 190

Other peer-reviewed publications: 38

Further publications: 58

Theses and Habilitations:

- Habilitations: 1
- Dissertations: 22
- Diploma-Theses: 6
- M.Sc. Theses: 26
- B.Sc. Theses: 29
- others: 1

¹⁾ Data provided here is based on the voluntary feedback of the GeoBio-Center^{LMU} members for this biannual report and therefore to be regarded as minimum.

²⁾ All grants and stipends are administrated by the associated departments.

Members of the GeoBio-Center^{LMU}

Ordinary members of the GeoBio-Center^{LMU} (2013)

Prof. Dr. R. Agerer	Dept. Biology I, Systematic Botany and Mycology, LMU
Prof. Dr. A. Altenbach	Dept. Earth and Environmental Sciences, Palaeontology & Geobiology, LMU
Prof. Dr. E. Bayer	SNSB, Botanical Garden Munich-Nymphenburg, Faculty of Biology, LMU
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Prof. Dr. F. Siegert	Dept. Biology II, LMU
Prof. Dr. G. Wörheide	Dept. Earth and Environmental Sciences, Palaeontology & Geobiology, LMU & Bavarian State Collection for Palaeontology and Geology

Extraordinary members of the GeoBio-Center^{LMU} (December 2013)

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Dr. A. Beck	Bavarian State Collection for Botany
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Dr. J. Haug	Dept. Biology II, Functional Morphology of Animals, LMU
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Prof. Dr. G. Zizka	Senckenberg Research Institute, Frankfurt

Publications in ISI-indexed Journals

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- Nützel A. Invited talk for the symposium "Fossilised Ontogenies and Evolution", Palaeontological Association. Annual Meeting of the Paleontological Association, Zürich, 13.-16.12.2013.
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- Peters J. Bioarchaeological Investigations of the Interactions between Holocene Human Societies and their Environments - BIOARCH (GDRE/ European Research and International Cooperation, Paris), 2012-2015.
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- Rauhut O. Revision of the sauropoden Dinosauriers *Patagosaurus*. DFG
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- Schrödl M. Integrating 3D-microanatomy of selected hetero-branch gastropods into molecular systematics. DFG Projekt SCHR 667/13-1. 12.2012-10.2014.
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- Schrödl M. Phylogeny of panpulmonate gastropods. DFG Projekt SCHR 667/16-1. 06.2013-12.2014.
- Siegert F. APPS4GMES. Bayerische Staatsministerium für Wirtschaft und Medien, Energie und Technologie.
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Presentations on Conferences and Symposia

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- Angelone C, Daxner-Höck G, Erbjajeva M, Göhlich UB, von Koenigswald W. Ontogenetic variation of cheek teeth occlusal surface pattern in lagomorphs by means of Micro CT-scan. Preliminary results and perspectives. 4th World Lagomorph Congress, Vienna, Austria. (23.-27.08.2012).
- Anton R, Schrödl M. The enemy inside your sea slug - endoparasites of the family Splanchnotrophidae (Copepoda). World Congress of Malacology, Azores, Portugal. Açoreana Suplemento 8: 200 (2013).
- Azanza B, Rössner GE. Cervidae and Tragulidae. Dorn-Dürkheim Meeting, Eppelsheim, Germany. (08.-11.06.2012).
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- Balke M, Tänzler R, Riedel A. Flightless Trigonopterus weevils across the Indomalayan Archipelago, Hennig XXXII Rostock, Germany. (03.-07.08.2013).
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- Balke M. Aquatic insects in Asian wetlands - molecular biodiversity assessment, evolutionary history, and why molecules might really help us out. SAGE 2013: Southeast Asian Gateway Evolution meeting Berlin, Germany. (11.-15.03.2013).
- Balke M. Seminar at the Institute of Evolutionary Biology (CSIC-UPF) Barcelona, Spain. (14.05.2013).
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- Bauer K, Kustatscher E, Krings M. *Ginkgo biloba*: Intraspecific variability today and in the fossil record - what parameters can be used to identify taxa? 22nd International Workshop on Plant Taphonomy, Pilsen & Radnice, Czech Republic. p. 14 (21.-24.03.2013).
- Bauer K, Kustatscher E, Krings M. Ginkgophyte leaves from the late Permian Kupferschiefer of Germany. Centenary Meeting of the Paläontologische Gesellschaft, Berlin, Germany. p. 32 (24.-29.09.2012).
- Bauer K, Kustatscher E, Krings M. Ginkgophytes at the Permian-Triassic boundary: How diverse were they? International Conference on Volcanism, Impacts and Mass Extinctions - Causes and Effects, London, England. p. 24 (27.-29.03.2013).
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- Englhart S, Franke J, Keuck V, Siebert F. Aboveground biomass of tropical forests using SAR and optical data. IGARSS IEEE International Geoscience and Remote Sensing Symposium, Munich. (22.-27.07.2012).
- Erpenbeck D. Invited Talk: The Sponge Barcoding Project: identifying sessile creatures on the fast lane. Workshop on Marine DNA Barcoding - Ponta Delgada, Azores, Portugal. (09.2012).
- Erpenbeck D. Invited Talk: The Sponge Barcoding Project: Progress, challenges and applications beyond taxonomy. International Symposium on DNA Barcode of Life, Incheon, South Korea. (05.2012).
- Erpenbeck D. Talk: Applications of marine barcoding - beyond taxonomy. Chulalongkorn University - LMU Half day Seminar "Marine Biodiversity", Bangkok, Thailand. (03.2012).
- Erpenbeck D. Invited Talk: The slow and the furious - sponge evolution revisited. Annual meeting of the German Zoological Society, Munich. (09.2013).
- Erpenbeck D. Invited Talk: Charting Australasian sponge diversity (part III): Case studies Germany-Australia Workshop Biodiversity, Brisbane, Australia. (10.2013).
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- Göhlich UB. The Mastodonts from the Neogene of Mongolia. 2nd ASQUA meeting, Ulan Ude, Russia. p. 24 (09.-15.09.2013).
- Gottschling M. Invited talk: Ecology, diversity and evolution of dinophytes. Institute for China Sea Research, Nagasaki, Japan. (2012).
- Gottschling M. Invited talk: Phylogenetic inference, with a focus on the natural history of unicellular dinophytes and papilloma viruses. LSM, Munich, Germany (2012).
- Gottschling M. Invited talk: Tropism shifts of papillomaviruses from an evolutionary perspective. 6th International HPV & Skin Cancer Conference Berlin, Germany. (2012).
- Gottschling M. Invited talk: Calcareous dinophytes: Correlating extant and fossil morphologies with molecular phylogenies. LMU GeoBio-Center seminar, Munich, Germany. (2013).
- Grigat A, Grupe G. The St. Pankratius Churchyard in Altdorf/Düren - results of the morphological and archaeometric investigations of an 18th - 20th century rural population. Kongress der Gesellschaft für Anthropologie e.V. Biological Anthropology: Prospects and Perspectives, Bozen. (02.-06.09.2013).
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- Grupe G. Was verraten stabile Isotope in archäologischen Skelettfunden? Kolloquium des Schleswig-Holsteinischen Landesmuseums Schloss Gottorf, Schleswig. (09.10.2012).
- Grupe G. $d^{13}C$ und $d^{15}N$ aus Kollagen: Applikation von Mischungsmodellen. Vortrag auf der Tagung der AG „Paläoanthropologie und Prähistorische Anthropologie“ der Gesellschaft für Anthropologie e.V., Tübingen. (02.-03.11.2012).
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- Harper CJ, Taylor TN, Krings M. Antarctic wood-decay fungi in glossopteridalean roots and stems. Botany 2012 - The next generation. Annual Meeting of the Botanical Society of America, Columbus, OH, USA. (07.-11.07.2012).
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- von Heyking K, Harbeck M, McGlynn G, Grupe G. Study results from the medieval poorhouse cemetery at Minoritenweg, in Regensburg. Vortrag auf dem 10. Kongress der Gesellschaft für Anthropologie e.V. Biological Anthropology: Prospects and Perspectives, Bozen. (02.-06.09.2013).
- Weigend M, Gottschling M, Barreda V, Palazzesi L. Andean lineages as descendents of the "Old South" - fossil Ledocarpaceae from Patagonia and the historical biogeography of Geraniales. 13th Jahrestagung der GfBS, Bonn. (Germany 2012).
- Weis A, Melzer RR. DNA barcoding of Sea spiders (Pycnogonida) from the Chilean fjord region, with remarks on *Achelia assimilis* (Haswell, 1885). 105th Jahrestagung der DZG, Universität Konstanz. (21.-24.09.2012).
- Weis A, Meyer R, Dömel J, Dietz L, Leese F, Melzer RR. *Pallenopsis patagonica* - a species complex revealed by morphology and Col sequences. 106. Jahrestagung der Deutschen Zoologischen Gesellschaft, LMU München. (13.-16.09.2013).
- Wiechmann I, Grupe G, Özbasaran M, Peters J. Molecular genetic analysis of *Ovis* remains excavated at Pre-Pottery Neolithic Asikli Höyük (Central Anatolia, Turkey). Poster auf dem 10. Kongress der Gesellschaft für Anthropologie e.V. „Biological Anthropology: Prospects and Perspectives“, Bozen. (02.-06.09.2013).
- Wörheide G. Invited talk: "Phylogeography of the crown-of-thorns starfish in the Indian Ocean". Coral Reefs of the Gulf, New York University Abu Dhabi. (01.2013).
- Wörheide G. Invited talk: "Phylogenomics of non-bilaterian metazoans". Global Invertebrate Genomics Alliance (GIGA) Inaugural Workshop (NOVA Southeastern University, Ft. Lauderdale, USA. (01.-03.03.2013).
- Wörheide G. Invited talk: "Phylogenomics of non-bilaterian metazoans - pitfalls and challenges". Assembling the Porifera Tree of Life Symposium. Society for Integrative and Comparative Biology San Francisco, USA. (03.-07.01.2013).
- Wörheide G. Invited talk: "Prospects and priorities for German-Australian Biodiversity Research". The Leichhardt Symposium on Biodiversity and Conservation. The University of Queensland, Brisbane, Australia. (23.10.2013).
- Wycisk D, Grupe G. Determining the origin of Imperial domestic animals from Ickern, Castrop-Rauxel - Quantification using ⁸⁷Sr/⁸⁶Sr isotope ratios. Vortrag auf dem 10. Kongress der Gesellschaft für Anthropologie e.V. „Biological Anthropology: Prospects and Perspectives“, Bozen. (02.-06.09.2013).
- Zapata-Hernandez GI, Sellanes J, Mayr C, Henriquez C. *Estructura trófica* de la fauna bentónica marina asociada a tapices bacterianos quimioautotróficos en el fiordo Comau, Chile, XXXIII Congreso de Ciencias del Mar, Antofagasta, Chile. (06.2013).
- Zapata-Hernandez GI, Sellanes J, Mayr C, Muñoz P. *Estructura trófica* bentónica en el fiordo Comau, Chile (42°S): una evaluación preliminar incluyendo un sitio con actividad quimiosintética. XV Congreso Latino-americano de Ciencias del Mar (COLACMAR), Punta del Este, Uruguay. (11.2013).
- Zech R, Mayr C, Eglinton T. Lipid biomarker and compound-specific hydrogen isotopic investigation of the loess-paleosol-sequence Bobingen, southern Germany. Joint European Stable Isotope Users Group Meeting, Leipzig, Germany. (02.-07.09.2012).
- Zhu J, Lücke A, Wissel H, Mayr C, Ohlendorf C, Zolitschka B, PASADO science team. Environmental instability at the last Glacial - Interglacial transition in Patagonia, Argentina: the stable isotope record of bulk sedimentary organic matter from Laguna Potrok Aike.- IODP/ICDP Kolloquium, Kiel, Germany. (07.-09.03.2012).
- Zhu J, Lücke A, Wissel H, Mayr C, Ohlendorf C, Zolitschka B, Pasado Science Team. Stable oxygen and carbon isotope records of aquatic moss cellulose from Laguna Potrok Aike in southern Patagonia. IODP/ICDP Kolloquium, Freiberg, Germany. (25.-27.03.2013).
- Zinßmeister C, Keupp H, Gottschling M. Diversity of calcareous dinophytes (Thoracosphaeraceae, Peridinales) collected at coastal sites, with focus on the Mediterranean Sea. 6th EES Conference. (2012).
- Zolitschka B, Gebhardt AC, Hahn A, Hölzl S, Kliem P, Mayr C, Oehlerich M, Ohlendorf C, PASADO Science Team. Late Pleistocene and Holocene hydrological variability in Argentinean Patagonia links to the Southern Hemispheric Westerlies (ICDP-project PASADO). IODP/ICDP Kolloquium, Freiberg, Germany. (25.-27.03.2013).

Teaching

- Abrahamczyk S, Bodensteiner P, Facher E, Gottschling M, Heubl G. Botanik und Mykologie WS 12/13, 6 ECTS.
- Bodensteiner Ph, Facher E, Feldberg K, Gottschling M, Heinrichs J, Heubl G. Praktikum zur Artenvielfalt mit Exkursionen SS 13, 3 SWS.
- Bodensteiner Ph, Facher E, Gottschling M, Heubl G, Peršoh D. Praktikum zur Artenvielfalt SS 12, 3 SWS.
- Erpenbeck D. Advanced Methods in Paleobiology SS 12, 1 SWS.
- Erpenbeck D. Advanced Methods in Paleobiology SS 13, 2 SWS.
- Erpenbeck D. Advanced Molecular Palaeobiology WS 12/13 2 SWS.
- Erpenbeck D. Current Research in Paleontology SS 13, 2 SWS.
- Erpenbeck D. Spezielle Methoden der Paläobiologie II WS 12/13, 2 SWS.
- Erpenbeck D. Taxonomie & Phylogenie SS 12, 1 SWS.
- Erpenbeck D. Taxonomie & Phylogenie SS 13, 1 SWS.
- Erpenbeck D. Practicals Paläontologie WS 12/13, 2 SWS.
- Facher E, Gottschling M, Heinrichs J, Heubl G. Botanik und Mykologie WS 13/14, 6 ECTS.
- Göhlich UB. Sammlungswesen und Öffentlichkeitsarbeit - Collection management and public relations SS 12, 2 SWS.
- Göhlich UB. Sammlungswesen und Öffentlichkeitsarbeit - Collection management and public relations SS 13, 2 SWS.
- Gottschling M. Taxonomie und Morphologie ausgewählter Blütenpflanzen SS 12, 12 ECTS.
- Gottschling M. Taxonomie und Morphologie ausgewählter Blütenpflanzen WS 13/14, 12 ECTS.
- Gottschling M. Vergleichende Anatomie der Blütenpflanzen WS 11/12, 12 ECTS.
- Gottschling M. Morphologie, Evolution und Diversität der Samenpflanzen SS 12, 6 ECTS.
- Gottschling M. Morphologie, Evolution und Diversität der Samenpflanzen SS 13, 6 ECTS.
- Gottschling M. Biology of calcareous dinophytes WS 12/13, 12 ECTS.
- Gottschling M. Biology of calcareous dinophytes WS 13/14, 12 ECTS.
- Gottschling M. Molecular phylogenetics of selected angiosperms WS 12/13, 12 ECTS.
- Gottschling M. Biology of calcareous dinophytes SS 13, 12 ECTS.
- Gottschling M. Morphologie und Diversität der eukaryotischen Algen und mikroskopische Techniken WS 12/13, 1 ECTS.
- Gottschling M, Facher E. Einführung in die Ausbreitungsbiologie der Samenpflanzen und mikroskopische Techniken WS 12/13, 3 ECTS.
- Gottschling M, Facher E. Einführung in die Ausbreitungsbiologie der Samenpflanzen und mikroskopische Techniken WS 11/12, 3 ECTS.
- Grube G, Haszprunar G, Bodensteiner P, Krings M, Renner S. Systematic Data and Evidence WS 12/13, 4 SWS.
- Grube G, Vohberger M. Stabile Isotope in der Anthropologie, Ökologie und Forensik. WS 12/13, 2 SWS.
- Grube G, Vohberger M. Adaptation an Klimawandel aus historischer und moderner Sicht. SS 12, 2 SWS.
- Grube G, Vohberger M. Seminar „Natural and cultural scientific findings on changing perceptions of the afterlife in prehistoric and historic Europe. WS 13/14, 2 SWS.
- Grube G. Einführung in die Historische Umweltforschung. SS 12, 2 SWS.
- Grube G. Einführung in die Historische Umweltforschung. SS 13, 2 SWS.
- Grube G. et al. Biologische Spurenkunde WS 12/13, 2 SWS.
- Grube G. et al. Biologische Spurenkunde WS 13/14, 2 SWS.
- Grube G, Peters M, Peters J. Einführung in die naturwissenschaftlichen Methoden SS 12, 3 SWS.
- Grube G, Peters M, Peters J. Einführung in die naturwissenschaftlichen Methoden SS 13, 3 SWS.
- Grube G. Vohberger M, Peters J. Functional Anatomy. WS 12/13, 5 SWS.
- Grube G. Vohberger M, Peters J. Functional Anatomy. WS 13/14, 5 SWS.
- Grube G, Vohberger M. Archaeometry SS 12, 5 SWS.
- Grube G, Vohberger M. Archaeometry SS 13, 5 SWS.
- Grube G. Vohberger M, Wiechmann I. Osteologie und forensische Anthropologie WS 12/13, 5 SWS.
- Grube G. Vohberger M, Wiechmann I. Osteologie und forensische Anthropologie WS 13/14, 5 SWS.
- Grube G. Enard W. Humanbiologie WS 12/13, 3 SWS.
- Grube G. Enard W. Humanbiologie WS 13/14, 3 SWS.
- Haszprunar G et al. Morphologie-Kurs: Malakologie WS 12/13, 6 SWS.
- Haszprunar G et al. Morphologie-Kurs: Malakologie WS 13/14, 6 SWS.
- Haszprunar G et al. Morphologie-Kurs: Niedere Metazoa und Würmer WS 12/13, 6 SWS.
- Haszprunar G, Heß M, Jörgen K. Freilandpraktikum Mittelmeer (Roscoff) SS 13.
- Haszprunar G, Heß M. Freilandpraktikum Mittelmeer (Banyuls) SS 12.
- Haszprunar G, Heß M. Marinbiologischer Kurs plus Seminar SS 12 1+2 SWS.
- Haszprunar G, Heß M. Marinbiologischer Kurs plus Seminar SS 13, 1+2 SWS.
- Haszprunar G. Allgemeine Systematik Zoologie SS 12, 1 SWS.
- Haszprunar G. Allgemeine Systematik Zoologie SS 13, 1 SWS.
- Haszprunar G, Hess M. Artenvielfalt Zoologie SS 12, 4 SWS.
- Haszprunar G, Hess M. Artenvielfalt Zoologie SS 13, 4 SWS.
- Heß M et al. Artenvielfalt Zoologie SS 12.
- Heß M et al. Artenvielfalt Zoologie SS 13.

Heß M et al. Praktikum Morphologie Niederer Evertabrata WS 12/13.

Heß M et al. Ringvorlesung Meeresbiologie WS 11/12, WS 12/13.

Heß M, Böttger A. Freilandpraktikum Wattenmeer (Sylt) SS 12.

Heß M, Böttger A. Freilandpraktikum Wattenmeer (Sylt) SS 13.

Heß M. Anleitung zum Wissenschaftlichen Arbeiten, Forschungspraktika etc.

Heß M. Hochalpenexkursion (Tauern) SS 12.

Heß M. Hochalpenexkursion (Tauern) SS 13.

Heß M. Vorlesung Architecture and evolution of visual systems SS 12.

Heß M. Vorlesung Architecture and evolution of visual systems SS 13.

Heß M. Vorlesung Bioluminescence SS 12.

Heß M. Vorlesung Bioluminescence SS 13.

Krings M, Reichenbacher B. Special Topics in Palaeobiology WS 12/13, 2 SWS.

Krings M, Reichenbacher B. Special Topics in Palaeobiology WS 13/14, 2 SWS.

Krings M. Paläontologie II (Paläobotanik) SS 12, 3 SWS.

Kustatscher E, Krings M. Paläontologie II (Paläobotanik) SS 13, 3 SWS.

Matzke-Karasz R, Mayr C. Geobiologie II SS 12/13.

Mayr C. Energie- und Stoffflüsse WS11/12.

Mayr C. Geobiologie I WS 11/12.

Mayr C. Geochemie stabiler Isotope SS 12.

Mayr C. Marine Geologie WS 11/12.

Mayr C. Paläoklimatologie WS 11/12.

Mayr C. Paläontologische Arbeitsmethoden WS 11/12.

Melzer RR, Schrödl M. Forschungspraktikum: Biology of Arthropods and Molluscs, 12 SWS.

Melzer RR et al. Arthropods, course, WS 12/13, 3 SWS.

Melzer RR et al. Arthropods, course, WS 13/14, 3 SWS.

Melzer RR et al. Arthropods, lecture, WS 12/13, 2 SWS.

Melzer RR et al. Arthropods, lecture, WS 13/14, 2 SWS.

Melzer RR et al. Marine biology, lecture, 2 SWS.

Melzer RR. Course in Mediterranean marine biology, SS 12, 10 SWS.

Melzer RR. Course in Mediterranean marine biology, SS 13, 10 SWS.

Melzer RR, Schrödl M. Biology of arthropods and molluscs, lab course, 15 SWS.

Nose M. Mikrofazies der Karbonatgesteine SS 13, 2 SWS.

Nose M. Mikrofazies der Karbonatgesteine WS 11/12, 2 SWS.

Nose M. Paläontologische Übungen WS 12/13, 2 SWS.

Nose M, Mayr C. Mikrofazies der Karbonate WS 11/12.

Nützel A, Kustatscher E. Historische Geologie WS 13/14, 2 SWS.

Nützel A. Paläoökologie WS 13/14, 2 SWS.

Nützel A. Malakologiekurs WS 11/12, 1 SWS.

Nützel A, Wörheide G, Historische Geologie WS 12/13, 2 SWS.

Nützel A. Paläoökologie WS 12/13, 2 SWS.

Nützel A. Malakologiekurs WS 12/13, 1 SWS.

Nützel A. Malakologiekurs WS 13/14, 1 SWS.

Nützel A. Paläoökologie WS 11/12, 2 SWS.

Peters J, Pöllath N. Vergleichende Osteologie der Säugetiere, Teil I WS 12/13, 1 SWS.

Peters J, Pöllath N. Vergleichende Osteologie der Säugetiere, Teil I WS 13/14, 1 SWS.

Peters J, Pöllath N. Vergleichende Osteologie der Säugetiere, Teil II SS 13, 1 SWS.

Peters J. Einführung in die naturwissenschaftlichen Methoden SS 12, 1 SWS.

Peters J. Einführung in die naturwissenschaftlichen Methoden SS 13, 1 SWS.

Peters J. Einführung in die Vergleichende Osteologie der Säugetiere SS 13, 1 SWS.

Peters J. Functional Anatomy and Archaeobiology WS 13/14, 1 SWS.

Peters J. Functional Anatomy of wild and domesticated vertebrates WS 12/13, 1 SWS

Peters J. Kulturgeschichte der Haustiere SS 13, 1 SWS.

Peters J. Methodik der Archäozoologie - Allgemeiner Teil SS 13, 1 SWS.

Peters J. Paläoanatomie: Einführung in eine interdisziplinäre Forschungsrichtung WS 13/14, 1 SWS.

Rauhut O. Osteologie der Tetrapoden WS 12/13, 2 SWS

Rauhut O. Osteologie der Tetrapoden WS 13/14, 2 SWS

Rauhut O. Taxonomie & Phylogenie SS 12/13, 1 SWS.

Reichenbacher B, Krings M. Evolution of Life WS 13/14, 4 SWS

Reichenbacher B, Krings M. Palaeobiology II WS 12/13, 2 SWS

Renner S, Haszprunar G. Systematics & Data WS 12/13, 1 SWS.

Renner S, Haszprunar G. Systematics & Data WS 13/14, 1 SWS.

Rössner GE. Zähne und Gebiss der Säugetiere WS 11/12, 1 SWS.

Rössner GE. Zähne und Gebiss der Säugetiere WS 12/13, 1 SWS.

Schrödl M. Malakologie-Kurs, 5 SWS.

Schrödl M. Exkursion Artenvielfalt Zoologie, Exkursion, 1 SWS.

Schrödl M. Übung Artenvielfalt Zoologie, 3 SWS, 4-5 Parallelen.

Schrödl M. Vorlesung Artenvielfalt Zoologie, Vorlesung, 1 SWS.

Schrödl M. Vorlesung: Einführung in die Meeresbiologie, 2 SWS.

Siegert F. Satellite Remote Sensing and GIS, 3 ECTS.

Siegert F. Tropical Rainforests.

Wörheide G, Nützel A. Historische Geologie WS 11/12, 2 SWS.

Wörheide G. Bachelorseminar SS 12.

Wörheide G. Seminar & Discussion 2: Global Change SS 12.

Wörheide G. EES Summerschool "Phylogenetics" SS 12.

Wörheide G. Einführung in die Geowissenschaften II SS 12.

Wörheide G. Geobiological field methods: Coral Reefs SS 12.

Wörheide G. Bachelorseminar SS 13.

Wörheide G. Current Research in Palaeontology WS 12/13.

Wörheide G. Einführung in die Geowissenschaften II SS 13.

Wörheide G. Historische Geologie WS 12/13.

Wörheide G. Ozeanologie WS 12/13.

Theses and Habilitations

- Bartsch R (2013) Paläoökologische Analyse oberkretazischer Molluskenfaunen der Gosau-Gruppe von der Pletzsch Alm (Tirol, Österreich). Diploma Thesis (Nützel A, Wörheide G).
- Batel A (2012) Heterochrony on mandible development - a comparative SEM study on zoea larvae of four carideans (Decapoda). M.Sc. Thesis, TU München (Melzer R, Gerstmeier R).
- Bergmeier F (2013) Base by base and scale by scale: Defining the biodiversity of meiofaunal Solenogastres (Mollusca) via integrative taxonomy Solenogastres. M.Sc. Thesis (Haszprunar G, Jörger K).
- Beyer S (2013) Kindheit am Loibachanger - Morphologische und paläopathologische Befunde der Kleinkinder von Unterigling (700 bis 1000 n. Chr.). B.Sc. Thesis (Grupe G).
- Böhmer C (2013) Correlation between Hox code and vertebral morphology in archosaurs: implications for vertebral evolution in sauropodomorph dinosaurs. Dissertation (Rauhut O, Wörheide G).
- Carlucci C (2012) Applikation der neuen Geschlechtsbestimmung mit Hilfe des Meatus acusticus internus bei Kindern. B.Sc. Thesis (Grupe G).
- Corina P (2013) Morphological studies on Pycnogonida of the genus *Nymphon fabricius*, 1794. B.Sc. Thesis (Melzer R).
- Degenhardt F (2013) Experimentelle Degradation von Knochenskollagen und dessen Implikation für die Archäometrie. B.Sc. Thesis (Grupe G).
- deMotte S (2013) Pseudo 4D-Rekonstruktion der Kopfregion der Sardellenlarve *Engraulis encrasicolus* (Linnaeus, 1758). M.Sc. Thesis (Heß M).
- Dunz A (2012) Revision and molecular identification of substrate breeding Tilapias (Pisces: Perciformes: Cichlidae). Dissertation (Haszprunar G, Schlieven U).
- Eck F (2012) Morphologische Untersuchungen von Körpergräbern und Leichenbrand aus dem hallstattzeitlichen Dietfurt. B.Sc. Thesis (Grupe G, McGlynn G).
- Englhardt S (2013) Monitoring restoration and aboveground biomass in tropical peat swamp forests on Borneo using multi-sensoral remote sensing data. Dissertation (Siegert F)
- Feistel S (2012) Molecular morphology of ribosomal DNA of the Bivalvia. Dissertation (Haszprunar G).
- Fischersworing S (2012) Nachweis des F1-Antigens in Knochenfunden des 14. Jahrhunderts. B.Sc. Thesis (Grupe G, Harbeck M).
- Foth C (2013) Ontogenetic, macroevolutionary and morphofunctional patterns in archosaur skulls: a morphometric approach. Dissertation (Rauhut O).
- Frank D (2013) Closing a gap: Microbial diversity in Antarctic sponges. External, TU Munich. M.Sc. Thesis (Wörheide G)
- Geiger M (2012) Morphometry and molecular analyses of probably sympatric speciation of the Midas-Cichlid-Complex (Teleostei: Perciformes) in Nicaraguan lakes. Dissertation (Schlieven U).
- Göhring A.B (2012) Morphologisch-anthropologische Untersuchung einer Skelettserie aus Unterigling. B.Sc. Thesis (Grupe G).
- Grossmann M (2012) Gastropod palaeoecology of a Permian fauna from Coleman, Texas. Diploma Thesis (Nützel A).
- Gupta S (2013) Soft part 3D visualization of selected molluscs from serial sections. M.Sc. Thesis (Haszprunar G, Ruthensteiner B).
- Hawlitschek O (2013) Reptiles of Indian Ocean islands: phylogeny, biogeography, and the impact of environmental changes. Dissertation (Haszprunar G, Glaw F, Balke M).
- Hermann S (2012) Morphologische Untersuchung von Skelettfunden aus Unterigling. B.Sc. Thesis (Grupe G).
- Herre C (2013) Isotopenanalyse zur Rekonstruktion der Ernährungsweisen und Ökonomie sozialer Stände einer spätmittelalterlichen bis neuzeitlichen Population aus der französischen Stadt. Douai. B.Sc. Thesis (Grupe G).
- Immler F (2013) Frühmittelalterliche Frauen in Waffen? Morphologische und molekularbiologische Geschlechtsbestimmung in archäologisch/anthropologisch divergierenden Fällen. M.Sc. Thesis (Grupe G, Harbeck M).
- Isikhuemen G.O (2012) Early Carboniferous Pterineidae (Bivalvia) of the European Kulm Facies. M.Sc. Thesis (Amler MRW).
- Jörger K.M (2013) Tracing evolution: molecular phylogeny of Acochlidia (Heterobranchia, Gastropoda). Dissertation (Schrödl M, Haszprunar G).
- Keller M (2013) Die Mehrfachbestattung Befund 162 aus dem Michelsberger Erdwerk Bruchsal-Aue – Paläogenetische und archäometrische Charakterisierung einer neolithischen Schicksalsgemeinschaft. M.Sc. Thesis (Grupe G, Harbeck M).
- Kleemeier N (2013) Phylogeny of calcareous dinophytes [translated]. B.Sc. Thesis (Gottschling M).
- Klein M (2013) Histologische und feinstrukturelle Untersuchungen an den Mantelrändern von Muscheln (Bivalvia, Mollusca). B.Sc. Thesis (Heß M, Haszprunar G).
- Koch P (2012) Die Neuroanatomie der Sardellenretina - Ein Beitrag zum Verständnis des Polarisations-Sehens bei Wirbeltieren. Dissertation (Haszprunar G, Heß M).
- Kohnert P (2012) Microanatomy and 3-dimensional visualisation of *Gascoignella aprica* Jensen, 1985 (Gastropoda, Panpulmonata, Sacoglossa). Diploma Thesis (Schrödl M, Haszprunar, G).
- Kokkonen I (2012) Effects of seawater warming and acidification on appearance, metabolism and mucus-associated bacterial diversity of the scleractinian coral *Euphyllia paraancora*. External, University of Helsinki. M.Sc. Thesis (Wörheide G).
- Koller K (2013) 3D microanatomy of *Sadleriana bavarica* (Gastropoda: Caenogastropoda: Hydrobiidae). M.Sc. Thesis (Schrödl M).
- Ködel J (2012) Erfassung und kurze verletzungsmechanische Bewertung altersabhängiger und geschlechterabhängiger geometrischer Faktoren der Rippen zur Erstellung eines numerischen Menschmodells des älteren Insassen. B.Sc. Thesis (Grupe G).
- Kunze T (2012) Microanatomy, phylogeny and ecomorphology of dwarfing in skeneimorph gastropods. Dissertation (Haszprunar G).

- Kretschmann J (2012) Floral anatomy of *Cordia nodosa* (Cordiaceae, Boraginales). B.Sc. Thesis (Gottschling M).
- Krippner K (2013) Morphologische Analyse der Kinderskelette aus Freiberg, Grüner Friedhof, Mittelsachsen, 17./18. Jahrhundert. B.Sc. Thesis (Grupe G, McGlynn G).
- Kubilius R.A (2013) 3D microanatomy of *Creseis acicula* (Gastropoda, Euthecosomata). B.Sc. Thesis (Schrödl M).
- Küstner M (2013) Phylogeographie von *Leucetta chagosensis*. M.Sc. Thesis (Wörheide G).
- Kuttner B (2012) Assessment of Symbiont Diversity in Scleractinian Corals Around Sichang Island, Chonburi Province, Gulf of Thailand. B.Sc. Thesis (Wörheide G).
- Lihl CM (2012) Die mikrostrukturelle Organisation der Knochen des Rehs (*Capreolus capreolus*). B.Sc. Thesis (Grupe G).
- Mülek S (2013) Zur Mortalität der späten Kindheit im frühen Mittelalter am Beispiel Unterirgling. B.Sc. Thesis (Grupe G).
- Mühlbauer J (2013) Erfassung altersabhängiger, geometrischer Faktoren der Wirbelsäule (thorakal, lumbal) und der Sternums zur Erstellung eines numerischen Menschmodells der älteren Insassen. B.Sc. Thesis (Grupe G, Wagner A).
- Neuberger F (2013) Serielle Analyse stabiler Isotope an Haarkeratin zur postmortem Rekonstruktion von Lebenslaufparametern in forensisch relevanten Fällen von Unterernährung. Dissertation (Grupe G).
- Neusser T.P (2012) Systematics and evolution of the Acochlidia (Gastropoda: Euthyneura). Dissertation (Schrödl M, Haszprunar G).
- Niggemeyer J (2013) Katalog der mikrostrukturellen Variabilität menschlicher Kompakta. B.Sc. Thesis (Grupe G).
- Nitz B (2013) Integrative systematics and biogeography of *Limax* (Gastropoda: Stylommatophora). Dissertation (Haszprunar G).
- Oliveira da Silva F (2012) Hox genes in ostrich and neck evolution in birds: a comparative approach. Erasmus Mundus Master Programme in Evolutionary Biology. M.Sc. Thesis (Wörheide G).
- Petschko N (2012) Analysis of Reef Check data from the Red Sea. B.Sc. Thesis (Wörheide G).
- Propstmeier J (2012) Die Lebensbedingungen in Pergamon: Nahrungsrekonstruktion mit Hilfe stabiler Stickstoff- und Kohlenstoffisotope einer römischen und spätbyzantinischen Nekropole. M.Sc. Thesis (Grupe G, Teegen WR).
- Ramírez-Chaves H (2012) Limb bone morphology of Giraffidae (Mammalia: Artiodactyla: Ruminantia): comparative anatomy and phylogenetic analysis considering closely related ruminant families. M.Sc. Thesis (Rössner G).
- Sauer L (2013) Palaeoecology and biostratigraphy of Upper Freshwater Molasse sediments from Fasanerie (north-eastern Bavaria). M.Sc. Thesis (Mayr C, Prieto J).
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