9th International Symposium
Cephalopods – Present and Past

in combination with the

5th International Symposium Coleoid Cephalopods through Time

Schedule of events and timetable of presentations

Thursday, September 4th to Saturday, September 6th 2014

Pre-conference field-trip
Mesozoic Fossil Lagerstätten of the Jurassic of southern Germany
Guides: Günter Schweigert, Annette Schmid-Röhl, Christian Klug
Thursday, 04.09.2014, 9.00 am - departure from Zürich, meeting point: entry Zoological Museum
Saturday, 06.09.2014, 7.00 pm - arrival at Zürich, entry Zoological Museum

Saturday, September 6th 2014

Evening and night: Lange Nacht der Museen
This evening, most museums in Zürich are open to the public. You can get one ticket, which is valid for all museums + public transport from 6 pm to 2 am (Sunday). Tickets are not included in the conference fee and have to be purchased at the museum entrance.

Lectures

Sunday, September 7th 2014

09.00-10.00 Registration (at the entrance of the Palaeontological Institute: http://www.plaene.uzh.ch/floormaps/KOL_D.png)
Coffee (Lichthof: http://www.plaene.uzh.ch/floormaps/KOL_D.png)
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png
10.00-10.15 Welcome and introductory remarks

Session 1: Evolution

Chair: Christian Klug, Björn Kröger

10.15-10.30 Key note: The palaeogeography of the initial cephalopod diversification during the Cambro-Ordovician
Björn Kröger (Finnish Museum of Natural History, Helsinki)

10.30-10.45 Tracing key innovations and the tempo of cephalopod evolution using molecular paleobiology
Jakob Vinther (Schools of Biological and Earth Sciences, Bristol), Dirk Fuchs (Earth and Planetary System Science, Sapporo) & Björn Kröger (Finnish Museum of Natural History, Helsinki)

10.45-11.00 Origin and evolution of the Gephyroceterina (Ammonoidea, Agoniatitida)
R. Thomas Becker (Westfälische Wilhelms-Universität Münster)

11.00-11.15 A model for speciation in ammonoid cephalopods
Margaret M. Yacobucci (Bowling Green State University, Ohio)

11.15-11.30 Morphological changes of the genus Baculites from the Coniacian to lower Campanian in Japan
Yasuyuki Tsujino (Tokushima Prefectural Museum, Tokushima) & Haruyoshi Maeda (The Kyushu University Museum, Fukuoka)

11.30-11.45 Complete dorsal ammonoid shell - A facultative character of phylogenetic importance?
Gregor Radtke (Free University Berlin)

11.45-12.00 The evolution of ammonites versus eustatic variations: case study from the Aptian from the NW Tethyan margin
Antoine Pictet (University of Lausanne)

12.00-13.30 Lunch
Session 2: Ontogeny

Chair: Neil H. Landman, Ryoji Wani
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

13.30-13.45 Key note: Iterative ontogenetic development of ammonoid conch shapes from the Devonian through to the Jurassic
Sonny A. Walton & Dieter Korn (both Museum für Naturkunde Berlin)

13.45-14.00 Early ontogeny of Silurian taphyroid Ophioceras; a comparison with some other taphyroid conchs and earliest nautilids

14.00-14.15 Early ontogeny of well preserved ammonoids from the Middle Devonian Cherry Valley Limestone (NY, USA)

14.15-14.30 Ontogenetic morphometry, taxonomy and biogeographic aspects of Famennian (Upper Devonian) Prionoceratidae
Tobias Fischer & R. Thomas Becker (both Westfälische Wilhelms-Universität Münster)

14.30-14.45 Cladistic coding of ontogeny: application with the Amaltheidae (Lower Jurassic)
Jérémie Bardin, Isabelle Rouge, Fabrizio Cecca (all Sorbonne Universités, UPMC Univ Paris 06, Paris)

14.45-15.00 Sutural complexity covaries with whorl shape: evidence from the intraspecific analyses of Cretaceous desmoceratid ammonoid from Madagascar
Daisuke Aiba & Ryoji Wani (both Yokohama National University)

14.45-15.00 Relationship between ontogenetic change in shell shape and aperture map in ammonoids
Takao Ubukata (Kyoto University)

15.00-16.00 Coffee and poster session

Session 3: Methods, tomography, 3D, History

Chair: Rene Hoffmann, Isabelle Kruta
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

16.00-16.15 Key note: Advances in paleobiological reconstructions in cephalopods
Isabelle Kruta (American Museum of Natural History, New York)

16.15-16.30 New Insights into Ammonite Palaeobiology from Tomographic Data
Robert Lemanis (Ruhr-Universität Bochum), Rene Hoffmann (Ruhr-Universität Bochum) & Stefan Zachow (Zuse Institute, Berlin)

16.30-16.45 Virtually reconstructed growth trajectories and buoyancy of some major Palaeozoic ammonoid clades
Carole Naglik, Amane Tajika & Christian Klug (all University of Zürich)

16.45-17.00 CONCH - new software for quantitative morphological analyses of ammonite shells
René Hoffmann (Ruhr-Universität Bochum) & Peter Göddertz (Steinmann-Institut für Geologie, Mineralogie und Paläontologie Bonn)

17.00-17.15 3-dimensional analysis of the middle jurassic ammonite variegatites and its functional morphology
Amane Tajika, Carole Naglik & Christian Klug (all University of Zürich)

17.15-17.30 Early ideas about fossil cephalopods
Walter Etter (Naturhistorisches Museum Basel)

18.00-22.00 Icebreaker party with Apéro riche
Zoological Museum
Monday, September 8th 2014

Session 4: Palaeozoic
Chair: Kenneth De Baets & Dieter Korn
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

09.00-09.15  Key note: The taxonomic geometry of the Palaeozoic ammonoids
Dieter Korn (Humboldt-Universität zu Berlin), Björn Kröger (Finnish Museum of Natural History), August Ilg (affiliation)

09.15-09.30  The Endocerida – are the Lower Palaeozoic ‘gas pipes’ viable or not?
Andy King (Geckoella environmental consultants, , Taunton, Somerset)

09.30-09.45  Latitudinal shifts of Palaeozoic marine invertebrate gigantism and global change
Christian Klug (University of Zürich), Kenneth De Baets (Universität Erlangen), Björn Kröger (Finnish Museum of Natural History), Mark A. Bell (University College London), Dieter Korn (Humboldt-Universität zu Berlin) & Jonathan L. Payne (Stanford University)

09.45-10.00  New records of silurian ascocerids from the Prague Basin (Bohemia) and their significance
Martina Aubrechtová & Ladislav Zedník (both Charles University in Prague)

10.00-10.15  Untangling the Striae: Ammonoid Biostratigraphy of the Carboniferous Shannon Basin, Western Ireland
Anthea Lacchia (Trinity College Dublin)

10.15-10.45  Coffee and poster session

Session 5: Triassic (organized and supported by the Subcommission on Triassic Stratigraphy)
Chair: Hugo Bucher & Marco Balini
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

10.45-11.00  Key note: The timing of cephalopods survival after the Permian-Triassic mass extinction
Hugo Bucher, Max Meier & David Ware (all University of Zürich)

11.00-11.15  Intraspecific variability among Ophiceratidae Arthaber, 1911 (Ammonoidea, Early Triassic) from NE Greenland: implications for taxonomy and diversity in the immediate aftermath of the Permian-Triassic boundary mass extinction
Max Meier & Hugo Bucher (both University of Zürich)

11.15-11.30  High resolution biostratigraphy and biodiversity dynamics of Dienerian (Early Triassic) ammonoids from the Northern Indian Margin
David Ware & Hugo Bucher (both University of Zürich)

11.30-11.45  Additional information on Spathian (late Olenekian) ammonoids from South Primorye and their paleobiogeographic significance
Yuri Zakharov, Olga P. Smyshlyaeva & Alexander M. Popov (all Far Eastern Geological Institute of Russian Academy of Sciences, Vladivostok)

11.45-12.00  Evolutionary trends of ammonoids during the Triassic in a Boreal basin (Canada)
Claude Monnet (University of Lille)

12.00-12.15  New Trachyceratidae from the Upper Ladinian (Middle Triassic) of Guizhou, China, and their paleobiogeographic relationships
Marco Balini (Università degli Studi di Milano), Xiaodong Zou (Peking University), Da-yong Jiang (Peking University), Zuoyu Sun (Peking University) & Yuan-lin Sun (Peking University)

12.15-12.30  Key note: Geographic differentiation of the Late Triassic nautilids and biogeographic zoning of Late Triassic marine basins
Evgeny S. Sobolev (Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk)

12.30-14.00  Lunch
Session 6: Jurassic
Chair: Günter Schweigert & Horacio Parent
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

14.00-14.15 Key note: Ammonite aptychi: functions and sexual dimorphism
Horacio Parent (Universidad Nacional de Rosario) & Gerd E.G. Westermann (Burlington, Canada)

14.15-14.30 Biogeography of early Pliensbachian ammonites: integrating distribution, phylogeny and morphology
Axelle Zacai (Université de Bourgogne), Emmanuel Fara (Université de Bourgogne), Arnaud Brayard (Université de Bourgogne), Jean-Louis Dommergues (Université de Bourgogne), Christian Meister (Muséum d'Histoire Naturelle de Genève) & Bruno Vrielynck (Université Pierre et Marie Curie - Paris 6)

14.30-14.45 The Callovian and Upper Jurassic of Western Siberia and West European classic stage standards: ammonite zonation and correspondence in lithostratigraphy and sequences
Alexander Alifirov, Svetlana Meledina & Alexander Beisel (all Trofimuk Institute of Petroleum Geology and Geophysics SB RAS, Novosibirsk)

14.45-15.00 Systematics, endemism and phylogeny of Indian proplanulids (Ammonoidea) from the Bathonian-Callovian of Kutch
Rakhi Dutta & Subhendu Bardhan (both Jadavpur University, Kolkata)

15.00-15.15 Age, Systematics and Palaeobiogeography of the Late Jurassic Ataxioceratid Ammonoids from Kutch, India: A New Light on Origin and Migration
Arindam Roy (Geological Survey of India, Lucknow) & Subhendu Bardhan (Jadavpur University, Kolkata)

15.15-15.30 Soft-tissue preservation in Jurassic ammonites from Central Russia
Alekseandr Mironenko (Moscow)

15.30-15.45 The systematic and taxonomic revision of the ‘Pleydellia-group' ammonites from the Minette ironstones (Late Toarcian), southern Luxembourg
Andrea Di Cencio (National Museum of Natural History, Luxembourg)

16.00-16.15 Exceptional preservation of ammonites from the Late Jurassic Nusplingen Plattenkalk
Günter Schweigert (Stuttgart)

16.15-17.00 Coffee and poster session

Session 7: Cretaceous I
Chair: Christina Ifrim & Margret Yacobucci
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

17.00-17.15 Key note: Muscle and mantle attachment marks and body chamber lengths indicative of diverse life styles of coexisted Aptian ammonites of the Russian Platform
Larisa A. Doguzhaeva (Swedish Museum of Natural History, Stockholm)

17.15-17.30 Speculations on ethology of some (turricone, colchicone) heteromorph ammonites
Mikheil V. Kakabadze (Ivane Javakhishvili Tbilisi State University)

17.30-17.45 Ammonoid buccal mass and jaw apparatus: comparative morphology, functional morphology and taxonomic variation
Kazushige Tanabe (University of Tokyo), Isabelle Kruta (American Museum of Natural History, New York) & Neil H. Landman (American Museum of Natural History, New York)

17.45-18.00 Aptychi of the Boreal and Subboreal Middle Jurassic - Early Cretaceous ammonites: new records and review of published data
Mikhail Rogov (Geological Institute of Russian Academy of Sciences, Moscow) & Aleksandr Mironenko (Moscow)
Tuesday, September 9th 2014

Session 8: Cretaceous II

Chair: Ottilia Szives & Stijn Goolaerts

KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

09.00-09.15  Reevaluation of the upper Maastrichtian ammonite biostratigraphy based on Discoscaphites occurrences along the Gulf Coastal Plain
Ekaterina Larina (Brooklyn College, New York), Matthew Garb (Brooklyn College, New York), Neil Landman (American Museum of Natural History, New York), Remy Rovelli (Brooklyn College, New York), Corinne Myers (Harvard University, Cambridge, MA)

09.15-09.30  Fluctuations of the oxygen minimum zone at the end of Oceanic Anoxic Event 2 and the response of ammonites: A case study from Mexico
Christina Ifrim (Ruprecht-Karls-Universität, Heidelberg)

09.30-09.45  Ammonites from the uppermost Campanian (Late Cretaceous) in Central Montana
Jamie A. Brezina (South Dakota School of Mines & Technology, Rapid City) & Neal L. Larson (Larson Paleontology Unlimited, Hill City)

09.45-10.00  Key note: Ammonites on the brink of extinction
Neil H. Landman (American Museum of Natural History, New York), Stijn Goolaerts (Royal Belgian Institute of Natural Sciences, Brussels), John W.M. Jagt (Natuurhistorisch Museum Maastricht), Elena A. Jagt-Yazykova (Uniwersytet Opolski, Opole), Marcin Machalski (Instytut Paleobiologii, Warsaw) & Margaret Yacobucci (Bowling Green State University)

10.00-11.00  Coffee and poster session

Session 9: Ammonoid ecology

Chair: Benjamin J. Linzmeier & Alexander Lukeneder

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11.00-11.15  Stable isotope evidence of habitat change during early ontogeny in Cretaceous Hoploscaphites
Benjamin J. Linzmeier (University of Wisconsin-Madison), Neil H. Landman (American Museum of Natural History, New York), Reinhard Kozdon (University of Wisconsin-Madison), Shanan E. Peters (University of Wisconsin-Madison) & John W. Valley (University of Wisconsin-Madison)

11.15-11.30  Ammonoid Habitats and Life History
Alexander Lukeneder (Natural History Museum, Vienna)

11.30-11.45  Knowledge of parasitism in ammonoids: importance for paleoecology
Kenneth De Baets (University Erfangen-Nuremberg), Helmut Keupp (Freie Universität Berlin) & Christian Klug (University of Zürich)

11.45-12.00  Breaking the waves: suture line complexity indicates types of life style in nautiloids and ammonites
Alexander Arkhipkin (Falkland Islands Fisheries Department)

12.00-12.15  Studies compared in Westermann Morphospace with the goal of understanding ammonoid life mode
Kathleen Ritterbush (University of Southern California, Los Angeles)

12.15-12.30  Getting hooked: the role of a U-shaped body chamber in the shell of adult heteromorph ammonites
Alexander Arkhipkin (Falkland Islands Fisheries Department)

12.30-14.00  Lunch
Session 10: Nautilida

Chair: Peter. D. Ward & Jiří Frank

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14.00-14.15 An advanced workflow for taxonomic research: case study on Cretaceous Nautilids
Jiří Frank (National Museum & Charles University, Prague)

14.15-14.30 Epicymatoceras: an exotic evolute nautilid from the European latest Cretaceous that does it all different
Stijn Goolaerts (Royal Belgian Institute of Natural Sciences, Brussels) & Jiří Frank (National Museum & Charles University, Prague)

14.30-14.45 What about nautilids at the Cretaceous/Paleogene boundary?
Stijn Goolaerts (Royal Belgian Institute of Natural Sciences, Brussels), John W.M. Jagt (Natuurhistorisch Museum Maastricht), Elena A. Jagt-Yazykova (Uniwersytet Opolski, Opole), Neil H. Landman (American Museum of Natural History, New York), Marcin Machalski (Instytut Paleobiologii, Warsaw) & Margaret Yacobucci (Bowling Green State University)

14.45-15.00 Key note: Allonautilus and Nautilus: Post-Jurassic phylogeny, shift from shallow to deep water habitats based on isotopic evidence, new evidence concerning mode of life, and conservation issues
Peter. D. Ward (University of Adelaide)

15.00-15.15 A historical and modern approach to assess the current state of Nautilus populations in the Indo-Pacific
Greg J. Barord (City University of New York), Andrew J. Dunstan (Queensland University), Anthony Ilano (San Carlos University), & Peter. D. Ward (University of Adelaide)

15.15-15.30 Bioerosion in shells of the modern Nautilus

15.30-15.45 The study of the type series of Nautilus pompilius Linnaeus, 1758
Svetlana V. Nikolaeva (Natural History Museum, London & Borissiak Paleontological Institute, Moscow)

15.45-16.15 Coffee and poster session
5th International Symposium Coleoid Cephalopods through Time

Session 11: Fossil Coleoidea

Chair: Dirk Fuchs & Royal H. Mapes
KO2-F-180: http://www.plaene.uzh.ch/floormap/KOL_D.png

16.15-16.30 Key note: On the locomotion system of fossil Coleoidea (Cephalopoda) and its systematic and phylogenetic significance
Dirk Fuchs (Hokkaido University, Sapporo), Christian Klug (University of Zürich), Helmut Tischlinger (Stammham, Germany) & Helmut Keupp (Freie Universität Berlin)

16.30-16.45 Arm hooks of Early Carboniferous-Late Permian coleoids, and their phylogenetic implication
Larisa A. Doguzhaeva (Swedish Museum of Natural History, Stockholm) & Royal H. Mapes (North Carolina Museum of Natural Sciences, Raleigh)

17.45-18.00 Upper Paleozoic coleoids (Cephalopoda) from North America: Observations on their paleoecology, taphonomy and phylogeny
Royal H. Mapes (North Carolina Museum of Natural Sciences, Raleigh) & Larisa A. Doguzhaeva (Swedish Museum of Natural History, Stockholm)

17.00-17.15 Is Proteroctopus ribeti an Octopoda? Reappraisal of Proteroctopus ribeti characters in the light of X-ray microtomography
Isabelle Rouget (Sorbonne Universités, UPMC Univ Paris 06), Isabelle Kruta (American Museum of Natural History, New York), Damien Germain (Sorbonne Universités, UPMC Univ Paris 06), Arnaud Brayard (Univrsite de Bourgogne, Dijon), Sylvain Charbonnier (Sorbonne Universités, UPMC Univ Paris 06), Vincent Fernandez (European Synchrotron Radiation Facility, Grenoble), Neil H. Landman (American Museum of Natural History, New York) & Fabrizio Cecca (Sorbonne Universités, UPMC Univ Paris 06)

17.15-17.30 Statoliths and other microfossils associated with the Christian Malford Lagerstätte
Malcolm B. Hart (Plymouth University), Alex De Jonghe (Plymouth University, Robertson: a CGG Company, Llandudno), Kevin N. Page (Plymouth University), Gregory D. Price (Plymouth University), Christopher W Smart (Plymouth University) & Philip R. Wilby (British Geological Survey, Nottingham)

17.30-17.45 A review of biostratigraphy and palaeobiogeography of Boreal latest Jurassic–earliest Cretaceous belemnites
Oksana S. Dzyuba (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)

17.45-18.00 The Cenozoic fossil record of the Coleoidea: an overview
Dirk Fuchs (Hokkaido University, Sapporo), Yasuhiro Iba (Hokkaido University, Sapporo), Martin Kosták (Charles University in Prague), Alexander Lukeneder (Naturhistorisches Museum Wien), Alexander Nützel (Bayerische Staatsammlung München) & Patricia Weaver (North Carolina Museum of Natural Sciences, Raleigh)

18.00-19.30 Walk to the venue of the conference dinner, Aperitif

19.30-23.00 Conference dinner
Restaurant Weisser Wind
Altstadt, Oberdorf, Oberdorffstr. 20”

Wednesday, September 10th 2014

Session 12: Fossil coleoids: Belemnoids

Chair: Isabelle Rouget & Alexei Ippolitov
KO2-F-180: http://www.plaene.uzh.ch/floormap/KOL_D.png

09.00-09.15 Key note: Early evolutionary history of belemnites, revisited: New perspectives from East Asia
Yasuhiro Iba (Hokkaido University, Sapporo), Shin-ichi Sano (Fukui Prefectural Dinosaur Museum), Dirk Fuchs (Hokkaido University, Sapporo), Jingeng Sha (Nanjing Institute of Geology and Palaeontology), Jian Liu (Chengdu University of Technology) & Jörg Mutterlose (Ruhr-University Bochum)

09.15-09.30 Belemnite “Doppellinien”: myths and realities
Alexei Ippolitov (Geological Institute of Russian Academy of Sciences, Moscow)
09.30-09.45 Belemnitids as pelagic meso-predators evidenced by radula and fin preservation
Christian Klug (University of Zurich), Günter Schweigert (Staatliches Museum für Naturkunde, Stuttgart), Dirk Fuchs (Hokkaido University, Sapporo), Helmut Tischlinger (Stammham, Germany) & Isabelle Kruta (American Museum of Natural History, New York)

09.45-10.00 Diversity and palaeobiogeography of belemnites during the Early Jurassic
Jean-Daniel Pinard (National Museum of Natural History, Luxembourg & University of Burgundy, Dijon), Pascal Neige (University of Burgundy, Dijon), Robert Weis (National Museum of Natural History, Luxembourg) & Emmanuel Fara (University of Burgundy, Dijon)

10.00-10.15 Infrazonal belemnite stratigraphy of the Lower Callovian of East European Platform
Alexei Ippolitov (Geological Institute of Russian Academy of Sciences, Moscow) & Denis Gulyaev (Interdepartmental Stratigraphical Committee (ISC) of Russia, Yaroslavl)

10.15-11.00 Coffee and poster session

Session 13: Recent coleoids I
Chair: Henk-Jan Hoving & Yasuhiro Iba
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

11.30-11.45 Key note: A Molecular Search for the Giant Squid
Inger Winkelmann (University of Copenhagen), M. Jan Strugnell (La Trobe University, Bundoora) & MTP Gilbert (University of Kiel)

11.45-12.00 Morphometry of the shell of Spirula spirula based on nano-CT data
René Hoffmann (Ruhr-Universität Bochum)

12.00-12.15 Sepia-type connecting rings and septa
Larisa A. Doguzhaeva & Elena Dunca (both Swedish Museum of Natural History, Stockholm)

12.15-12.30 Abrupt changes of distance between succeeding septa at the hatching event in modern Sepia and Spirula
Ayaka Yamaguchi, Yuichiro Kumada & Ryoji Wani (all Yokohama National University)

12.30-14.00 Lunch

Session 14: Recent coleoids II
Chair: Inger Winkelmann & Alexander Arkhipkin
KO2-F-180: http://www.plaene.uzh.ch/floormaps/KOL_D.png

Henk-Jan Hoving (GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel)

14.15-14.30 Shell construction during embryonic life of Sepia officinalis: what does it tell for evolution?
Laure Bonnaud-Pontcalle (Museum National d’Histoire Naturelle, Paris) & Dirk Fuchs (Hokkaido University, Sapporo)

14.30-14.45 Analysis of genetic variability and phylogeny of the oval squid Sepioteuthis lessoniana around Japan
Satoshi Tomano (Hiroshima University), Yukio Ueta (Tokushima Agriculture, Forestry and Fisheries Technology Support Center, Naruto, Tokushima), Noriyasu Kasaoka (Nakayama Steel Works Ltd, Fukuoka) & Tetsuya Umino (Hiroshima University)

14.45-15.00 ‘Tailed’ coleoid cephalopods through time
Alexander Arkhipkin (Falkland Islands Fisheries Department), Jean-Daniel Pinard (National Museum of Natural History, Luxembourg), Robert Weis (National Museum of Natural History, Luxembourg), Nino Mariotti (Sapienza University, Rome) & Zhanna Shcherbich (Falkland Islands Fisheries Department)

15.00-15.15 All life-stages of the tropical arrow squid around the Sao Sebastiao Island, SE Brazil
Maria A. Gasalla (University of São Paulo)

Post-conference field trip 1: Jurassic ammonoid localities of Switzerland
Bathonian and Oxfordian of Holderbank, Early Jurassic of Frick
Guide: Heinz Furrer
Thursday, 11.09.2014, 09.00 departure from Zürich, meeting point: entry Zoological Museum
Thursday, 11.09.2014, ca. 19.00 arrival at Zürich, entry Zoological Museum

Post-conference fieldtrip 2: Mesozoic ammonoid localities of Switzerland and eastern France
Guides: Walter Etter, Peter Kürsteiner, Karl Tschanz, Antoine Pictet, Peter Bitterli, Bernhard Hostettler, Christian Klug
Wednesday, 10.09.2014, 16.00 departure from Zürich, meeting point: entry Zoological Museum
Sunday, 14.09.2014, ca. 19.00 arrival at Zürich, entry Zoological Museum