

Daniel MARTY

Curriculum vitae

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Personal details

First / FAMILY name: Daniel / MARTY
Date and place of birth: August 5th 1973, Basel (Switzerland)
Hometown: Oberiberg (Canton Schwyz, Switzerland)
Marital status: Single
Nationality: Switzerland



Contact details

Home address: Fuggersweg 23, 3232 Ins, Switzerland
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Short description

Currently I work as a chief editor for the Swiss Journal of Palaeontology and Swiss Journal of Geosciences. Every second year I hold a 4 hrs lecture "Introduction to Palaeontology" at the University of Basel. In 2018 I also held the lecture "Historical Geology" at the University of Fribourg.

From 2000-2017 I was working as a Research Palaeontologist at the *Paléontologie A16* (Office de la culture, Canton Jura, Switzerland), a palaeontological service, which was in charge of the excavation, documentation, and safeguarding of palaeontological heritage along the future course of Swiss federal Highway A16. I was responsible for the excavation, documentation, and (coordination of) scientific research of dinosaur footprint sites that were uncovered prior to the construction of Highway A16. I'm still involved in research projects related to these dinosaur footprint discoveries in collaboration with researchers from Europe and abroad.

Education & Experience

1989–1992: General qualification for university entrance (Gymnasium Münchenstein, Switzerland): "Matura A" (with old Greek and Latin)
1993–1994 Studies at the department of Earth Sciences of the University of Basel, Switzerland
1994–1997 United Bank of Switzerland, Retail Banking (Basel, Switzerland) and windsurf instructor & station management of the F2 Windsurfing Pro Centre Tommy Friedl, Hurghada, Red Sea, Egypt (tommy-friedl.de)
1997–2001 Studies in Earth Sciences at the University of Basel and Geophysics at the ETH Zürich (both Switzerland)
1998–2000 Student deputy at the department of Earth Sciences (University of Basel)
1999–2000 25% assistant of Prof. C.A. Meyer (University of Basel): webmaster of the sedimentology and palaeontology groups. Palaeontological and sedimentological documentation of an echinoderm excavation (Dalle Nacrée, Middle Jurassic, Swiss Jura Mountains). Assistant for the practical training of the lecture "Introduction into Earth Sciences"
04/1999 Palaeontological report for the Cantonal Archaeology Baselland concerning the future course of the "Transitgasleitung" in the Canton Baselland, Switzerland
08/1999 Internship at the "Sinai Manganese Company" (Abu Zeneima, Sinai, Egypt)
2000 Palaeontology A16 (40%): palaeontologist & vice project leader
2001 **Master in Earth Sciences and Geophysics at the University of Basel.** Master Thesis in sedimentology & palaeontology (palaeoecology), supervised by Prof. C.A. Meyer, Prof. A. Wetzel & Prof. L. Hottinger: *Sedimentology, paleoecology and stratigraphy of the palustrine Facies Rognacien at the K/T-boundary in Southern France* (70 pp.)
10/2001 Palaeontology A16 (80%): palaeontologist
01/2002 Palaeontology A16 (100%): research palaeontologist. Responsible for excavations of dinosaur footprints, and the coordination of the scientific research

- within the Mesozoic strata along the future course of the Transjurane highway, co-direction of the Palaeontology A16
- 2004–2008 **PhD thesis at the University of Fribourg** (Switzerland), supervised by Prof. A. Strasser & Prof. C.A. Meyer:
Sedimentology, taphonomy, and ichnology of Late Jurassic dinosaur tracks from the Jura carbonate platform (Chevenez–Combe Ronde tracksite, NW Switzerland): Insights into the tidal-flat palaeoenvironment and dinosaur diversity, locomotion, and palaeoecology (GeoFocus 21, 278 pp.)
- 2006–2008 Palaeontology A16 (75%): research palaeontologist
National Research Foundation (25%): PhD thesis, co-supervision of bachelor and master students
- 2008–2017 Palaeontology A16 (100%, 80%): **research palaeontologist**:
Head of excavations of Mesozoic dinosaur tracksites along the Swiss federal highway A16 (*Transjurane*): (coordination of) excavation, documentation, and scientific research related to these dinosaur tracksites
- 11/2008– Editor-in-chief (Palaeontology) of the Swiss Journal of Geosciences
springer.com/birkhauser/geo+science/journal/15
- 01/2014– Board member (management) of the Palaeontology A16
- 03/2014– Chief Editor of the Swiss Journal of Palaeontology (25%)**
<https://sjpp.springeropen.com/>
- Since 2014 Every second year: **lectureship** (introduction to palaeontology) **at the University of Basel**. For the fifth time in 2022.
- 01/2018– Chief Editor of the Swiss Journal of Geosciences (40%)**
<https://sjg.springeropen.com/>
- 02-07/2018 Lectureship “Historical Geology (palaeontological part)” at the University of Fribourg (Switzerland)

Skills

Languages

German (mother tongue); French and English (very good written and fluently oral); Italian, Spanish & Arabic (little oral); old Greek, Latin & Hebrew.

Computer knowledge

Oper. Systems: MSDos, Windows, Macintosh

Applications: Office Outlook/Word/Excel/Powerpoint, Endnote, Adobe Creative Suite (Photoshop/Illustrator/InDesign), Arcview, Stereoplot, Past, Grapher, a.o.

Management courses

- 2004 3-day management course “Résolution de conflits et situations difficiles”, held by Danielle Pahud, Atouts Conseil Formation (in French)
- 2005 3-day management course “Diriger, conduire et motiver une équipe”, held by ACT Formation SA (in French)
- 2006 1-day management course “Initiation aux entretiens d’évaluation”, held by Service du personnel, République et Canton du Jura (in French)
- 2006 1-day management course “Ethique professionnelle”, held by Michel Dokic (in French)
- 2006 1-day management course “Animer et participer efficacement à des réunions” held by Service du personnel, République et Canton du Jura (in French)
- 2008 3-day management course “Construire son identité managériale: développer son impact personnel”, held by Péan Rebetz (in French)
- 2009 2-day management course “La communication relationnelle; La négociation – La médiation”, held by Danielle Pahud, Atouts Conseil Formation (in French)

Other skills

- Driving licence (1992), Military driving licence for cross-country vehicles (1993).
- Driving licence for sailing boats (1987), VDWS windsurf & catamaran instructor (1995), lifeguard-licence (1995), PADI-diving licence (1996).
- AcroYoga.org Teacher Training Levels 1 & 2 (2016-2017); partneracrobatics.com

Teacher Training (2018); Stichting Staple (Amsterdam) partneracro teacher training (2016-2017); AcroYoga Montreal Teacher Training (2017); AcroFusion Teacher Training (2020).

- 300h Yoga Vinyasa Teacher Training at Sampoorna Yoga, Goa, India (2019), various other yoga trainings and workshops since 2008.
- Cultural flexibility (foreign languages & experiences), well-developed communication and organisation skills, good teamwork capabilities, ability to learn new software quickly, used to travel abroad independently

Reference persons and reference letters: Furnished upon request

Publications (see detailed list attached at the end of CV)

pal-a16.academia.edu/danielmarty

researchgate.net/profile/Daniel_Marty2/

Research activities

Research interests

Keywords: Palaeontology, palaeobiology, vertebrate & invertebrate (neo-) ichnology, palaeoecology, regional geology of the Jura Mountains and Swiss Alps (palaeontology, lithostratigraphy, bio-stratigraphy), sedimentology of ancient and recent carbonates & carbonate-siliciclastic sedimentary systems (carbonate platforms, palustrine carbonates)

Methods: Systematic palaeontological excavation, fundamental (in)vertebrate ichnology, ichnotaxonomy, taxonomy, palaeoecology, (carbonate) sedimentology (microfacies analysis)

Awards

17.11.2007 Prize for young researchers of the Commission of the Swiss Palaeontological Memoirs for best paper and presentation:

Marty, D. 2007: Comparative taphonomy of human footprints left in microbial mats of tidal flats and dinosaur footprints of Late Jurassic biolaminites; a key for the interpretation of fossil vertebrate tracks. 5th Swiss Geoscience meeting, Geneva, Switzerland, p. 203.

13.02.2008 Award of the Science Faculty of the University of Fribourg for the best doctoral thesis of the year in the area of experimental sciences:

Marty, D. 2008: Sedimentology, taphonomy, and ichnology of Late Jurassic dinosaur tracks from the Jura carbonate platform (Chevenez—Combe Ronde tracksite, NW Switzerland): insights into the tidal-flat palaeoenvironment and dinosaur diversity, locomotion, and palaeoecology. PhD Thesis University of Fribourg, *GeoFocus* 21, 278 pp.

Congress organization

2002 Annual meeting of the Swiss Palaeontological Society, Porrentruy (Switzerland), co-organisation with W.A. Hug & D. Becker

2005 Annual meeting of the curators of Swiss Natural History Museums, Porrentruy (Switzerland), co-organisation with J. Ayer, J. Chalverat, D. Becker, J.-P. Billon-Bruyat & W.A. Hug

2009 5th International Symposium on Lithographic Limestone and Plattenkalk, Natural History Museum Basel (Switzerland), co-organisation with J.-P. Billon-Bruyat, C.A. Meyer, B. Thüring & L. Costeur

Editorial activities

Ichnos (associate editor since 03/2014); *Journal of Korean Nature* (editorial board member since 12/2011); *Journal of Asia-Pacific Biodiversity* (editorial board member since 01/2013); *Swiss Journal of Geosciences* (editor for Palaeontology since 11/2008), editor-in-chief since 01/2018); *Swiss Journal of Palaeontology* (editor-in-chief since 03/2014)

Peer Review activities for the following journals (one to several reviews)

Bolletino della Società Geologica Italiana; Chinese Science Bulletin; Comptes rendu Palevol; Cretaceous Research; Earth Science Reviews; (Central) European Journal of Geosciences; Géobios; Geogaceta; Geoheritage; Historical Biology; Ichnos; International Journal of Ecology and Ecosolution (IJEE); IUGS-UNESCO; Journal of African Earth Sciences; Journal of Asia-Pacific Biodiversity, Indiana University Press (books); Journal of Iberian Geology; Journal of Physical Anthropology; Journal of the Geological Society (of London); Journal of Iberian Geology; Journal of Sedimentary Research; Journal of Vertebrate Paleontology; Journal of Zoology; Lethaia; New Mexico Museum of Natural History and Science Bulletin; Palaeobiodiversity & Palaeoenvironments; Palaeogeography Palaeoclimatology Palaeoecology; Palaeontology; Palaeoworld; Palaios; Papers in Palaeontology; PeerJ; PLoS ONE; PNAS (Proceedings of the National Academy of Sciences); Revue de Paléobiologie; Scientific Reports (Nature Publishing Group); Sedimentary Geology; Sedimentology; Swiss Journal of Geosciences; Swiss Journal of Palaeontology.

Scientific board memberships

Commission of the Swiss Palaeontological Journal (since 01/2014)

Swiss Geological Society (since 01/2018)

Swiss Palaeontological Society (since 11/2008)

Scientific committees of congresses

First International Congress on Continental Ichnology (ICCI), El Jadida, Morocco, April 2015

4th Palaeontological Virtual Congress, May 2023

Professional memberships (present and past)

American Association of Petroleum Geologists (AAPG); Amis du Musée jurassien des sciences naturelles (Porrentruy, Switzerland); Association Dinosauria (Musée des Dinosaures, Espéraza) European Association of Vertebrate Palaeontologists (EAVP); Freunde des Naturhistorischen Museums Basel (Switzerland); Ichnological Association; International Association of Sedimentologists (IAS); International Palaeontological Association (IPA); Korean Biodiversity Information Facility (KBIF); Paläontologische Gesellschaft (PalGes); Society for Sedimentary Geology (SEPM); Society of Vertebrate Paleontology (SVP); Swiss Association of Energy Geoscientists (SASEG, former VSP-ASP); Swiss Geological Society (SGG); Swiss Palaeontological Society (SPG-SPS); The Palaeontological Association (PalAss)

University teaching

05/2008 *III^{ème} cycle CUSO* course "Palaeoecology, taphonomy, and the stratigraphic record", lecture, University of Fribourg (Switzerland)

05/2012 ESPP (Earth Surface Processes & Paleobiosphere) course "Fossil preparation & Comparative anatomy", lecture, Porrentruy (Switzerland)

05/2014 Vertebrate ichnology: classification, morphology and 3D models. Workshop together with Ignacio Díaz-Martínez and Peter Falkingham. Transmitting Science – Specialized postgraduate courses and workshops, Barcelona, Spain. This workshop was not held as yet, it is postponed.

2014 (fall semester) Introduction to Palaeontology & exercises (total of 56 hrs, "Grundlagen und Methoden der Paläontologie"), lectureship at the University of Basel

2016 (fall semester) Introduction to Palaeontology & exercises (total of 56 hrs, "Grundlagen und Methoden der Paläontologie"), lectureship at the University of Basel

2018 (spring sem.) Historical Geology (total of 14 hrs), University of Fribourg.

2018 (spring sem.) Palaeontological 1-day excursion to Frick for the University of Fribourg

2018 (fall semester) Introduction to Palaeontology & exercises (total of 56 hrs, "Grundlagen und Methoden der Paläontologie"), lectureship at the University of Basel

2020 (spring sem.) Historical Geology, University of Basel.

2020 (fall semester) Introduction to Palaeontology & exercises (total of 56 hrs, "Grundlagen und Methoden der Paläontologie"), lectureship at the University of Basel

2022 (fall semester) Introduction to Palaeontology & exercises (total of 56 hrs, "Grundlagen und Methoden der Paläontologie"), lectureship at the University of Basel

(Co-)supervision of bachelor & master students

1. Keller, C., 2004: Bachelor Thesis, University of Fribourg (Switzerland)
2. Keller, C., 2005–2006: Master Thesis, University of Fribourg (Switzerland)
3. Waite, R., 2004–2006: Master Thesis, University of Basel (Switzerland)
4. Hicks, S., 2004–2006: Master Thesis, University of Würzburg (Germany)
5. Richardt, F., 2004–2006: Master Thesis, University of Würzburg (Germany)
6. Menkem, E.F., 2006–2007: Master Thesis, University of Fribourg (Switzerland)
7. Schaefer, K., 2007: Bachelor Thesis, University of Neuchâtel (Switzerland)
8. Gretz, M., 2006–2007: Master Thesis, University of Geneva (Switzerland)
9. Sandoz, M., 2007–2008: Master Thesis, University of Geneva (Switzerland)
10. Schürch, D., 2009–2010: Bachelor Thesis, Scientific Visualization, ZHdK (Zürich)
11. Erdin, T., 2012–2013: Master Thesis "Paléoskop" (Master of arts in design), Scientific Visualization, ZHdK (Zürich)
12. Schürch, D. 2012–2013: Master Thesis "Paléoskop" (Master of arts in design), Scientific Visualization, ZHdK (Zürich)

Invited scientific lectures

- 07/2006 Annual Meeting of the Association of Swiss Petroleum Geologist, Rheinfelden (Switzerland)
- 05/2007 Colloquium of the University of Zürich (Switzerland)
- 11/2009 Science Lunch of "Scientific Visualization", Zürcher Hochschule der Künste, ZHdK Zürich (Switzerland)
- 12/2010 Colloquium of the Geological and Palaeontological Institute of the University of Vienna (Austria)
- 04/2011 Dinosaur Track Symposium, Obernkirchen (Germany), 2 invited lectures
- 07/2011 Campos / Cursos de verano Huellas de Dinosaurio, Enciso (La Rioja, Spain)
- 12/2011 Colloquium of the "Institut für Geologische Wissenschaften an der Freien Universität Berlin" (Germany)
- 04/2012 Annual meeting of the Korean Earth Science Society, Goseong, South Korea
- 05/2012 ESPP (Earth Surface Processes & Paleobiosphere) course "Fossil preparation & Comparative anatomy", Porrentruy (Switzerland)
- 09/2012 Digital Fossil, Berlin, Germany
- 11/2012 Qijiang International Dinosaur Track Symposium, Qijiang District, Chongqing Municipality, China
- 09/2013 VI Jornadas Internacionales sobre Paleontología de Dinosaurios, Salas de los Infantes, Spain
- 05/2014 Vertebrate Ichnology: Classification, morphology and 3D models. Transmitting Science Workshop, Barcelona, 5.-9.05.2014.
- 09/2019 Panel Discussion of the Swiss Academy of Sciences "Open Science to foster scientific progress and to benefit society", Bern, 13.09.2019.

Invited popular lectures

- 06/2003 Mineralien & Fossilienfreunde Bern
- 10/2003 Société d'Emulation jurasienne
- 02/2004 Naturhistorisches Museum Bern
- 01/2004 Naturforschende Gesellschaft St. Gallen
- 06/2006 Mineralienfreunde Basel
- 06/2008 Paléomania, Arinthod (France)
- 11/2008 Natural History Museum Neuchâtel
- 11/2008 Natural History Museum Fribourg
- 12/2010 Naturhistorisches Museum Bern
- 02/2012 Mineralien und Fossilienfreunde Aargau
- 04/2012 Gyeongnam Goseong Dinosaur World Expo, Goseong, South Korea
- 04/2022 Kinderuni Basel, "Dinosaurierland Schweiz", Lecture online on youtube: <https://www.youtube.com/watch?v=CDBX2GfJqRo>

Popular courses (adult evening classes & excursions)

- 05/2011 "Dinosaurierland Schweiz – Der Kanton Jura vor 150 Millionen Jahre", Lecture & excursion, Volkshochschule beider Basel (Switzerland)

- 05/2012 "Dinosaurier im Jura? Auf den Spuren der Giganten", Lecture & excursion, Volkshochschule beider Basel (Switzerland)
- 04/2014 "Dinosaurierspuren im Juragebirge", Lecture, SamstagsUni Dinosaurier, Volkshochschule beider Basel (Switzerland)

Organization & (co-)direction of scientific field-trips

- 1999–2000 Assistance (25%) at the Department of Earth Sciences, University of Basel for PD Dr. C. A. Meyer. Webmaster of the sedimentology and palaeontology groups and assistant for the applied exercises of the lecture "Introduction into Earth Sciences"
- 2000 Preparation of an excavation (in Courtedoux, Canton Jura) for the "Palaeontological field course" of the University of Basel
- 07/2006 Annual Meeting of the Association of Swiss Petroleum Geologist, field-trip to the palaeontological excavations of the Transjurane highway
- 2005–2011 Annual palaeontological excursion (2 days) of the University of Geneva (Switzerland)
- 2005–2011 Bi-annual palaeontological excursion (1 day) of the University of Zürich (Switzerland)
- 2006–2011 Annual palaeontological field course (3 days) of the University of Fribourg (Switzerland)
- 05/2008 Lecture & field-trip for the *III^{ème} cycle CUSO* course "Palaeoecology, taphonomy, and the stratigraphic record", University of Fribourg, 05.-08.05.2008
- 08/2009 5th International Symposium on Lithographic Limestone and Plattenkalk: field-trip to the palaeontological excavations of the Transjurane highway
- 2011–2013 Field-trip to a dinosaur tracksite near Porrentruy for the Universität Hannover
- 05/2013 Deutsche Stratigraphische Kommission (SAK) Subkommission für Jurastratigraphie, Jahrestagung 2013 in Porrentruy: Field-trip to a Late Jurassic dinosaur tracksite and outcrop near Porrentruy
- 07/2014 Palaeontological excursion (1 day) for the University of Bonn (Germany)
- 08/2014 19th Int. Sedimentological congress (IAS) fieldtrip to the Jura Mountains: Late Jurassic shallow-marine carbonate facies and sequences (and dinosaur tracks). With Prof. A. Strasser & Dr. W.A. Hug

Organization of popular excursions & visiting days

- 2002 Visiting days & numerous excursions on the Courtedoux—Sur Combe Ronde dinosaur tracksite
- 2004 Visiting days & numerous excursions on the Chevenez—Combe Ronde dinosaur tracksite
- 2005 Visiting days & numerous excursions on the Courtedoux—Tchâfouè dinosaur tracksite
- 2006 Visiting days & numerous excursions on the Courtedoux—Tchâfouè dinosaur tracksite
- 2007 Visiting days & numerous excursions on the Courtedoux—Sur Combe Ronde dinosaur tracksite
- 2008 Visiting days & numerous excursions on the Courtedoux—Bois de Sylleux dinosaur tracksite
- 2009-2011 Visiting days & numerous excursions on the Courtedoux—Béchat Bovais dinosaur tracksite

Participation in scientific field-trips, important field activities, workshops

- 03/1994 Volcanological field-trip to Central Italy (University of Basel)
- 07/1998 Course in geological mapping in the Alpes near Chambéry, France (University of Basel)
- 10/1998 Geophysical field-course of the ETH Zürich
- 02/1998 Field-course in structural geology in the Alps near Domodossola, Italy (University of Basel)
- 06/1999 Sedimentological-stratigraphical field-course in the Chevenez-La Combe quarry, NW Switzerland (University of Basel)

- 07/1999 Course in geological mapping in the Alps near Zermatt, Switzerland (University of Basel)
- 08/1999 Geological, sedimentological and palaeontological fieldwork for the Sinai Manganese Company (Abu Zeneima, W Sinai, Egypt)
- 10/1999 Palaeontological & sedimentological documentation of an excavation in the "Dalle Nacrée" at Undervelier (Canton Jura, Switzerland) led by B. Hostettler. Mandated by PD Dr. C. A. Meyer of the University of Basel
- 1999–2001 Geological mapping, sedimentological and palaeontological fieldwork in the Pyrenees, southern France (Master Thesis, University of Basel)
- 2000– Geological mapping, sedimentological & palaeontological fieldwork on and around the Transjurane highway (Canton Jura, Switzerland)
- 2002– Excavations in Mesozoic strata along the Tranjurane A16 Highway (Ajoie, Canton Jura, Switzerland)
- 05/2004 (Actuo-) sedimentological/palaeontological field-trip to Eleuthera Island (Bahamas), CUSO course led by P. Kindler, E. Davaud, G. Gorin, & A. Strasser (Universities of Geneva & Fribourg)
- 05/2005 (Actuo-) sedimentological/palaeontological field-trip of the University of Geneva to Tunisia (Pleistocene, Holocene and Mesozoic carbonate environments), led by E. Davaud & G. Gorin (University of Geneva)
- 10/2006 (Actuo-) sedimentological/palaeontological field-trip to the Sinai, Egypt (Coral Reef Ecosystems: Past and Present - a case study in the Red Sea), CUSO course led by S. Spezzaferri, A. Strasser, E. Samankassou, D. Basso & F. Benzoni (Universities of Fribourg & Milano)
- 10/2006 Workshop "Assessing risks to your collection" by the Canadian Museum of Nature, 66th Annual Meeting of the Society of Vertebrate Palaeontology, Ottawa, Canada
- 02/2007 (Actuo-) sedimentological/palaeontological field-trip with A. Strasser (University of Fribourg) to Belize, financed by the Swiss National Foundation of Research
- 02–03/2007 Visit of the Early Cretaceous Paluxy River tracksites (Dinosaur Valley State Park, Glen Rose, Texas)
- 09/2007 (Actuo-) sedimentological/palaeontological field-trip to Colombia (Evolution d'un archipel océanique des Caraïbes, San Andrés et Providencia), CUSO course led by Prof. J. Geister & Prof. G. Gorin (Universities of Bern & Geneva)
- 08/2009 Park Ela (Canton Graubünden) expedition 2009 with a team of the Natural History Museum Basel led by C.A. Meyer: prospecting for dinosaur tracks, ichnological & sedimentological fieldwork.
- 08/2010 Park Ela expedition 2010
- 07/2011 Workshop "Paleontología y desarrollo. Teruel: Territorio paleontológico", Universidad de Verano de Teruel, Teruel, Spain (25.-29.07.2011)
- 07-08/2011 Field-trip to the dinosaur tracksites of Teruel, Soria, La Rioja & Asturias (all Spain)
- 04/2012 Field-trip to South Korean dinosaur & bird tracksites organised by the Dr. J.-D. Lim, Natural Heritage Center, National Research Institute of Cultural Heritage, South Korea
- 09/2012 GBIF-workshop "BioCASE" (by M. Gleisberg et al.), Naturkundemuseum Berlin, Germany
- 09/2012 Workshop "Photogrammetry: digital data collection that anyone can do" (by N. Matthews et al.), Naturkundemuseum Berlin, Germany
- 09/2012 Workshop "The Paleobiology Database: A Hands-on Tutorial on Estimating Fossil Diversity Patterns" (by W. Kiessling), Naturkundemuseum Berlin, Germany
- 11/2012 Documentation of dinosaur tracksites in Shandong and Qijiang (China), led by Lida Xing.
- 08/2013 Vieux Emosson (Canton Valais) expedition with a team of the Natural History Museums Basel & Geneva led by C.A. Meyer: prospecting and documentation of dinosaur tracks, ichnological & sedimentological fieldwork.
- 08/2013 Documentation of dinosaur tracksites in Lanzhou (China), led by Lida Xing.
- 04/2015 Documentation of the 'Cal Orcko' dinosaur tracksite in Sucre, Bolivia. With a team of the Natural History Museum Basel led by Christian Meyer and mandated by the Parque Cretacico, Municipal Fancesa.

Museography & popular outreach

- 2001 Gremaud, C., Meyer Cesta, B, Becker, D., Diedrich, C., Hug, W. A., Lapaire, F., Marty, D. & Thüning, B. 2001: Palaeontological exhibition for "Science et Cité". Office de la culture, Porrentruy (Switzerland).
- 2004 Oriet, B., Becker, D., Billon-Bruyat, J.-P., Borgeaud, P.-A., Légeret, V., Marty, D., & Stalder L. 2004: Palaeontological trail "Chemin à remonter le temps". Office de la culture, Porrentruy (Switzerland).
- 2005 Hug, W. A., Ayer, J., Becker, D., Billon-Bruyat, J.-P., Bocat, L., Marty, D., Paratte, G. & Rauber, G. 2005: Field exhibition "Sur les traces des dinosaures jurassiens, rencontre sur le terrain avec les paléontologues". Office de la culture, Porrentruy (Switzerland).
- 2007 *Paléomania, sur la piste des paléontologues dans l'Arc jurassien*, itinerant exhibition. Scientific advises and translations from French into German and English (collaboration with J. Ayer). Galerie Courant d'Art, Chevenez (Canton Jura, Switzerland, 03.06.07–30.09.07) Pontarlier (France, 02.04.08–27.04.08) & Arinthod (France, 11.05.08–21.09.08).
- 2008 *Dino, Mammouth & Co* (18.10.08–01.02.09), follow-up of Paléomania. Scientific advisor and translations from French into German and English (collaboration with J. Ayer). Natural History Museum Fribourg (Switzerland).
- 2010 Paléojura Nature trail "Sur les traces des géants / Auf den Spuren der Giganten", Courtedoux (Switzerland, 2010-2012)
- 2012 Scientific advisor for a dinosaur sales campaign of the Swiss Migros Supermarket (www.migros.ch) called "Animanca – Entdecke die Welt der Dinosaurier" (www.animanca.ch). Writing of a dinosaur book and supervising of illustrations and 28 dinosaur woodcraft construction kits.
- 2013 Scientific advisor for the valorization of the Porrentruy—Dinotec tracksite (www.jurassica.ch/dinotec/). Collaboration with D. Schürch & T. Erdin (ZHdK) and Jurassica (jurassica.ch). See also: www.jurassica.ch/dinotec/
- 2022 Kinderuni Basel, "Dinosaurierland Schweiz"

Popular outreach in mass medias

Documentaries

- 2007 Sur la piste des dinosaures jurassiens, Le Miroir
- 09/2008 SF DRS1 DOK "Dinosaurierland Schweiz" (also translated to French)
<https://www.srf.ch/play/tv/dok/video/dinosaurierland-schweiz-die-wahre-geschichte-von-jurassic-park?id=7a46c793-a2d4-4c7b-a166-a85cd7469e33>
- 12/2010 SF DRS1 Einstein "Wie Dinosaurier sich wirklich bewegt haben" (together with Prof. Kent A. Stevens)
<https://www.srf.ch/play/tv/einstein/video/wie-dinosaurier-sich-wirklich-bewegt-haben?id=6cbd13a6-8aa6-46f4-bab4-9a35119d02a8&expandDescription=true>

Many short contributions and interviews about field activities (excavations) and research, a.o.:

- Television: SFDRS (Tagesschau, Schweiz Aktuell, 10 vor 10, MTW), SRG-TSR (Téléjournal, Territoire 21), M6 (e=M6), TF1, France2, France3, Canal Alpha
- Radio: Radio Fréquence Jura, DRS1, DRS2, Radio Swissinfo
- Newspapers: Libération, Figaro, Basler Zeitung (BAZ), Neue Zürcher Zeitung (NZZ), NZZ am Sonntag, Tagesanzeiger, Le Temps, Le Matin, Quotidien Jurassien, Sonntagszeitung, Die Zeit, La Liberté, Le Progrès, Baslerstab
- Magazines: Pour la Science, Bild der Wissenschaft, GEO, Facts, Tele, Schweizer Familie, Earth Magazine, Science Illustrated

Daniel MARTY — List of publications

Master thesis (University of Basel, Switzerland)

Marty, D. 2001: Sedimentology, paleoecology and stratigraphy of the palustrine *Faciès Rognacien* at the K/T-boundary in Southern France. Master thesis, University of Basel, 70 pp. with geological map, transect & cross sections.

PhD thesis (University of Fribourg, Switzerland)

Marty, D. 2008: Sedimentology, taphonomy, and ichnology of Late Jurassic dinosaur tracks from the Jura carbonate platform (Chevenez—Combe Ronde tracksite, NW Switzerland): insights into the tidal-flat palaeoenvironment and dinosaur diversity, locomotion, and palaeoecology. PhD Thesis, University of Fribourg, *GeoFocus* 21, 278 pp.

→ *Award of the Science Faculty of the University of Fribourg for the best doctoral thesis of the year in the area of experimental sciences.*

Peer-reviewed publications

1. **Marty, D.**, Cavin, L., Hug, W.A., Meyer, C.A., Lockley, M.G. & Iberg, A. 2003: Preliminary Report on the Courtedoux Dinosaur Tracksite from the Kimmeridgian of Switzerland. *Ichnos* 10, 209–219.
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→ *This research is based on data from the master thesis (see above)*
4. Kindler, P., Curran, H.A., **Marty, D.** & Samankassou, E. 2008: Multiple sedimentary sequences, bird tracks and lagoon beaches in last interglacial oolites, Boiling Hole, North Eleuthera Island, Bahamas. *In: Park, L. & Freile, B. (eds.), Proceedings of the 13th Symposium on the Geology of the Bahamas and other carbonate regions*, Gerace Research Center, San Salvador, Bahamas, 169–181.
5. **Marty, D.**, Strasser, A. & Meyer, C.A. 2009: Formation and taphonomy of human footprints in microbial mats of present-day tidal-flat environments: implications for the study of fossil footprints. *Ichnos* 16/1-2, 127–142. (End of 2014: most cited publication of the journal *Ichnos*).
6. **Marty, D.**, Belvedere, M., Meyer, C.A., Mietto, P., Paratte, G., Lovis, C. & Thüring, B. 2010: Comparative analysis of Late Jurassic sauropod trackways from the Jura Mountains (NW Switzerland) and the central High Atlas Mountains (Morocco): implications for sauropod ichnotaxonomy. *Historical Biology*, 22/1-3, 109–133.
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9. Schudack, U., Schudack, M., **Marty, D.** & Comment, G. 2013: Kimmeridgian (Late Jurassic) ostracods from Highway A16 (NW Switzerland): taxonomy, stratigraphy, palaeoecology, and palaeobiogeography. *Swiss Journal of Geosciences*, 106, 371–395.
10. Xing, L., Lockley, M.G., **Marty, D.**, Klein, H., Buckley, L.G., McCrea, R.T., Zhang, J., Gierlinski, G., Divay, J.D. & Wu, Q. 2013: Diverse dinosaur ichnoassemblages from the Lower Cretaceous Dasheng Group in the Yishu fault zone, Shandong Province, China. *Cretaceous Research*, 45, 114–134.
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12. Xing, L., Peng, G., **Marty, D.**, Ye, Y., Gierlinski, G., Shu, C. & Li, J. 2014: An unusual trackway of a possibly bipedal archosaur from the Late Triassic of Sichuan Basin, China. *Acta Palaeontologica Polonica*, 59/4, 863–871.
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21. Falkingham, P., **Marty, D.** & Richter, A. 2016: Dinosaur tracks next steps – Introduction. In: Falkingham, P., **Marty, D.**, & Richter, A. (Eds.), *Dinosaur tracks — The next steps*. Indiana University Press, Bloomington, 2–11 (ISBN: 978-0-253-02102-1).
22. **Marty, D.**, Falkingham, P. & Richter, A. 2016: Dinosaur track terminology: a glossary of terms. In: Falkingham, P., **Marty, D.**, & Richter, A. (Eds.), *Dinosaur tracks — The next steps*. Indiana University Press, Bloomington, 399– 402 (ISBN: 978-0-253-02102-1).
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26. Xing, L, Buckley, L.G., Lockley, M.G., Zhang, J., **Marty, D.**, Wang, Y., Li, J., McCrea, R.T. & Peng, C. 2016: A new bird track, *Koreanaornis lii* ichnosp. nov., from the Lower

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 32. Razzolini, N.L., Belvedere, M., **Marty, D.**, Paratte, G., Lovis, C., Cattin, M. & Meyer, C.A. 2017: *Megalosauripus transjuranicus* nov. A new Late Jurassic theropod ichnotaxon from NW Switzerland and implications for tridactyl dinosaur ichnology and ichnotaxomy. *PLoS ONE* 12(7): e0180289. doi.org/10.1371/journal.pone.0180289.
 33. Belvedere, M., Bennett, M.R., **Marty, D.**, Budka, M., Reynolds, S.C., Bakirov, R. 2018: Stat-tracks and mediotypes: powerful tools for modern ichnology based on 3D models. *PeerJ* 6:e4247; DOI 10.7717/peerj.4247, 25 pp.
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 35. Falkingham, P., Bates, K. T., Avanzini, M., Belvedere, M., Bennett, M., Bordy, E., Breithaupt, B. H., Castanera, D., Citton, P., Díaz-Martínez, I., Farlow, J. O., Fiorillo, A. R., Gatesy, S. M., Getty, P., Hatala, K. G., Hornung, J. J., Hyatt, J.A., Klein, H., Lallensack, J. N., Martin, A. J., **Marty, D.**, Matthews, N. A., Meyer, Ch. A., Milàn, J., Minter, N. J., Razzolini, N.L., Romilio, A., Salisbury, S.W., Sciscio, L., Tanaka, I., Wiseman, A.L.A. & Xing, L. 2018. A standard protocol for documenting modern and fossil ichnological data. *Palaeontology*, 61/4, 469–480.
 36. Meyer, C.A., **Marty, D.** & Belvedere, M. 2018: Titanosaur trackways from the Late Cretaceous El Molino Formation of Bolivia (Cal Orck'O, Sucre). *Annales Societatis Geologorum Poloniae*. 88, 223–241. doi.org/10.14241/asgp.2018.014
 37. Marchetti, L., Belvedere, Voigt, S., Klein, H., Castanera, D., Díaz-Martínez, I., **Marty, D.**, Xing, L., Feola, S., Melchor, R.N., Farlow, J.O. 2019: Defining the morphological quality of fossil footprints. Problems and principles of preservation in tetrapod ichnology with examples from the Palaeozoic to the present. *Earth-Science Reviews*, 193, 109–145.
 38. Belvedere, M., Castanera, D., Meyer, C.A., **Marty, D.**, Mateus, O., Camilo Silva, B., Santos, V.F., Cobos, A. 2019: Late Jurassic globetrotters compared: A closer look at large and giant theropod tracks of North Africa and Europe. *Journal of African Earth Sciences*, 158. <https://doi.org/10.1016/j.jafrearsci.2019.103547>
 39. Marchetti, L., Belvedere, Voigt, S., Klein, H., Castanera, D., Díaz-Martínez, I., **Marty, D.**, Xing, L., Feola, S., Melchor, R.N. 2020: Reply to discussion of “Defining the morphological quality of fossil footprints. Problems and principles of preservation in tetrapod ichnology with examples from the Palaeozoic to the present” by Marchetti et al. (2019). *Earth-Science Reviews*, 208, 7 pp.
 40. Meyer, C.A., **Marty, D.**, Thüning, B., Thüning, S. & Belvedere, M. 2020: The Late Cretaceous dinosaur track record of Bolivia – Review and perspective. *Journal of South American Earth Sciences*. <https://doi.org/10.1016/j.jsames.2020.102992>

41. Stevens, K., Ernst, S. & **Marty, D.** 2022: Coupling length: a generalized gleno-acetabular distance measurement for interpreting the size and gait of quadrupedal trackmakers. *Swiss Journal of Geosciences*, 115, <https://doi.org/10.1186/s00015-022-00418-9>
42. Sciscio L., Belvedere M., Meyer C.A. & **Marty, D.** 2022: Sauropod Trackway Morphometrics: An Exploratory Study Using Highway A16 Excavation at the Courtedoux-Tchâfouè Track Site (Late Jurassic, NW Switzerland). *Frontiers in Earth Science*, 10:805442, doi: 10.3389/feart.2022.805442

Non peer-reviewed publications

(including fieldtrip-guides, editorials, prefaces, book reviews)

1. **Marty, D.** & Hug, W.A. 2004a: Das Dinosaurier-Spurenvorkommen von Courtedoux, Kanton Jura: Dauerhafter Geotopschutz und nachhaltige Nutzung. In: Jordan, P., Heinz, R., Heitzmann, P., Hipp, R. & Imper, D. (eds.): Geotope – wie schützen / Geotope – wie nutzen. 7. Internationale Jahrestagung der Fachsektion GeoTop der Deutschen Geologischen Gesellschaft und der Arbeitsgruppe Geotope des Geoforums der Schweizerischen Akademischen Gesellschaft. Schriftenreihe der Deutschen Geologischen Gesellschaft 32, 115–121.
2. **Marty, D.** & Hug, W.A. 2004b: Le Kimméridgien en Ajoie (Mésozoïque): Premiers résultats de fouilles et de recherches paléontologiques sur le tracé de la Transjurane (A16). Actes de la Société Jurassienne d'Émulation 2003, 27–44.
3. **Marty, D.** & Hug, W.A. 2004c: Dinosaurier-Spurenvorkommen auf der Transjurane, Kanton Jura: paläontologische Grabungen, Schutz und nachhaltige Nutzung. GeoForum Aktuell 19, 2–9.
4. Hug, W.A., Becker, D., **Marty, D.** & Oriet, A. 2004: La Section de paléontologie de la République et Canton du Jura: une brève présentation. Actes de la Société Jurassienne d'Émulation 2003, 9–26.
5. **Marty, D.**, Meyer, C.A. & Billon-Bruyat, J.-P. 2006: Sauropod trackway patterns expression of special behaviour related to substrate consistency? An example from the Late Jurassic of northwestern Switzerland. Hantkeniana 5, 38–41.
6. **Marty, D.**, Ayer, J., Becker, D., Berger, J.-P., Billon-Bruyat, J.-P., Braillard, L., Hug, W.A. & Meyer, C.A. 2007: Late Jurassic dinosaur tracksites of the Transjurane highway (Canton Jura, NW Switzerland): overview and measures for their protection and valorisation. Bulletin für angewandte Geologie (Bulletin of applied Geology) 12, 75–89.
7. **Marty, D.** 2008: Sedimentology, taphonomy, and ichnology of Late Jurassic dinosaur tracks from the Jura carbonate platform (Chevenez—Combe Ronde tracksite, NW Switzerland): insights into the tidal-flat palaeoenvironment and dinosaur diversity, locomotion, and palaeoecology. PhD Thesis University of Fribourg, GeoFocus, 21, 278 pp.
8. **Marty, D.** & Billon-Bruyat, J.-P. 2009: Field-trip to the excavations in the Late Jurassic along the future Transjurane highway near Porrentruy (Canton Jura, NW Switzerland): dinosaur tracks, marine vertebrates and invertebrates. In: Billon-Bruyat, J.-P., Marty, D., Costeur, L., Meyer, C.A. & Thüring, B. (Eds.), 5th International Symposium on Lithographic Limestone and Plattenkalk — Abstracts and Field Guides. Société jurassienne d'émulation, actes 2009 bis, 94–129.
9. Billon-Bruyat, J.-P., **Marty, D.**, Costeur, L., Meyer, C.A. & Thüring, B. (Eds.) 2009: 5th International Symposium on Lithographic Limestone and Plattenkalk — Abstracts and Field Guides. Société jurassienne d'émulation, actes 2009 bis, 141 pp. (ISSN 1011-2820).
10. Billon-Bruyat, J.-P. & **Marty, D.** 2010: Preface: Symposium on Stegosauria proceedings. Swiss Journal of Geosciences, 103/2, 139–141.
11. **Marty, D.**, Billon-Bruyat, J.-P., Costeur, L., Meyer, C.A. & Thüring, B. 2011: Preface: Proceedings of the 5th International Symposium on Lithographic Limestone and Plattenkalk. Swiss Journal of Geosciences, Supplementary Issue, S1–S4.
12. **Marty, D.** & Menkveld-Gfeller, U. 2012: Vogelspuren in den Honegg-Mergel. In: Jordi, H.A. (Ed.), Erläuterungen zum Blatt Eggiwil, Geologischer Atlas der Schweiz 1:25'000, 75, p. 29.
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14. Koppka, J., Hostettler, B., **Marty, D.**, Reisdorf, A., Waite, R., Hug, W.A., Paratte, G., Jaeggi, D., Becker, D. & Borer, P. 2013: Exkursionsführer der Jahrestagung 2013 in Porrentruy (Kanton Jura, Schweiz) der Subkommission für Jurastratigraphie der Deutschen Stratigraphischen Kommission (DSK). 104 pp.
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16. Becker, D., **Marty, D.**, Pirkenseer, C., Cavin, L., Grimm, K. & Reichenbacher, B. 2013: Preface: A tribute to the late Professor Jean-Pierre Berger (8 July 1956-18 January 2012). *Swiss Journal of Geosciences*, 106, 119–124.
17. Strasser, A., **Marty, D.** & Hug, W.A. 2014: Late Jurassic shallow-marine carbonate facies and sequences (and dinosaur tracks). 19th International Sedimentological Congress of the IAS, 18.-22.08.2014, Geneva, Fieldtrip guidebook, 28 pp.
18. Jaramillo, C., Moreno, F., Hendy, A.J.W., Sánchez-Villagra, M.R. & **Marty, D.** 2015: Preface: La Guajira, Colombia: a new window into the Cenozoic neotropical biodiversity and the Great American Biotic Interchange. *Swiss Journal of Palaeontology*, 134/1, 1–4.
19. Klug, C., Hoffmann, R., Fuchs, D. & **Marty, D.** 2015: Special issue: recent advances in Cambrian to modern cephalopod research I. *Swiss Journal of Palaeontology*, 134/2, 1–4.
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21. **Marty, D.** 2018: Book Review: Peter Kürsteiner and Christian Klug 2018. Fossilien im Alpstein. Kreide und Eozän der Nordostschweiz. Appenzeller Verlag, 372 pp. *Swiss Journal of Palaeontology*, 117–118.
22. **Marty, D.**, Meyer, C.A., Thuy, B., Klug, C. & Donovan, S.K. 2018: Editorial "Special Issue: Hans Hess: A lifelong passion for fossil echinoderms". *Swiss Journal of Palaeontology*, 137/2, 119–121.
23. Schmid, S.M., Cvetković, V., Šarić, K. & **Marty, D.**, 2019: Preface: Special issue - The Alps as part of a larger system of Circum-Mediterranean orogens: papers presented at the 13th Alpine Workshop held in Zlatibor (Serbia). *Swiss Journal of Geosciences*, 112/1, 1–2.
24. Klug, C.A., Becker, R.T., El Hassani, A., Ritterbush, K., Fuchs, D. & Marty, D. 2019: Editorial: Special Issue: Cephalopods through time. *Swiss Journal of Palaeontology*, 138/1, 1–7.
25. Manzotti, P., Müntener, O., Schmid, S. & **Marty, D.** 2021: Dynamics of collisional mountain ranges: a progress report on the Alps Special Issue on the results from the 14th Emile Argand Alpine Workshop, Sion 2019, Switzerland. *Swiss Journal of Geosciences*, 114, <https://doi.org/10.1186/s00015-021-00386-6>

Editing of books, special issues, and congress abstract & proceeding volumes

1. Billon-Bruyat, J.-P., **Marty, D.**, Costeur, L., Meyer, C.A. & Thüring, B. (Eds.) 2009: 5th International Symposium on Lithographic Limestone and Plattenkalk — Abstracts and Field Guides. Société jurassienne d'émulation, actes 2009 bis, 141 pp. (ISSN 1011-2820).
2. Billon-Bruyat, J.-P. & **Marty, D.** 2010: Symposium on Stegosauria Proceedings. *Swiss Journal of Geosciences*, 103/2, 139–240 (8 contributions).
3. **Marty, D.**, Billon-Bruyat, J.-P., Costeur, L., Meyer, C.A. & Thüring, B. (Eds.) 2011: Proceedings of the 5th International Symposium on Lithographic Limestone and Plattenkalk. *Swiss Journal of Geosciences*, Supplementary Issue, 178 pp. (13 contributions).
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5. Jaramillo, C., Moreno, F., Hendy, A.J.W., Sánchez-Villagra, M.R. & **Marty, D.** 2015: La Guajira, Colombia: a new window into the Cenozoic neotropical biodiversity and the Great American Biotic Interchange. *Swiss Journal of Palaeontology*, 134/1, 1–75 (2 contributions).
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9. Meyer, C.A., Thuy, B., Klug, C., **Marty, D.** & Donovan, S.K. 2018: Special Issue: Hans Hess: A lifelong passion for fossil echinoderms. *Swiss Journal of Palaeontology*, 137/2, 119-412 (22 contributions).
10. Klug, C.A., Becker, R.T., El Hassani, A., Ritterbush, K., Fuchs, D. & Marty, D. 2019: Special Issue: Cephalopods through time. *Swiss Journal of Palaeontology*, 138/1, 1-176 (22 contributions).

Public outreach (popular papers, brochures, books)

1. **Marty, D.** 2003: Die Dinosaurien von Courtedoux (Les Traces de Dinos de Courtedoux). *Le Cristallier Suisse* 2/2003, 14–18, 33–35, 40.
2. **Marty, D.** 2004: Neue Dinosaurierspuren auf der Transjurane. *Le Cristallier Suisse* 4/2004, 2 et 24.
3. **Marty, D.** & Hug, W.A. 2004: Dinosaurier-Spurenvorkommen auf der Transjurane, Kanton Jura: paläontologische Grabungen, Schutz und nachhaltige Nutzung. *GeoForum Aktuell* 19, 16–23.
4. Becker, D., Hug, W.A., Lapaire, F., **Marty, D.**, Oriet, A. & Oriet, B. 2004: République et Canton du Jura, Office de la culture: Paléontologie. Imprimerie jurassienne, Delémont, 36 pp.
5. Ayer, J., Hug, W.A., Becker, D., Billon-Bruyat, J.-P. & **Marty, D.** 2005: Les fouilles paléontologiques sur le futur tracé de la Transjurane (autoroute A16): bilan provisoire et perspectives après 5 années d'activité. *GeoForum Aktuell* 4, 30–35.
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