

# Curriculum Vitae

## Sonja Aulbach

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### ACADEMIC CAREER (FIRST-GENERATION ACADEMIC)

Since Feb 2026	<b>Professor</b> , Department of Geosciences, Goethe-Universität Frankfurt (Germany) (with Heisenberg funding until March 2027)
Apr 2022-Feb 2026	<b>Heisenberg fellow of the German Research Foundation</b> , Department of Geosciences, Goethe-Universität Frankfurt (Germany)
Apr 2014 – Mar 2022	<b>Research fellow of the German Research Foundation</b> , Department of Geosciences, Goethe-Universität Frankfurt (Germany)
Oct 2009 - Mar 2014	<b>Research assistant</b> , Department of Geosciences, Goethe-Universität Frankfurt (Germany)
Jun 2006 - Nov 2006 & Mar 2007	<b>Visiting scientist</b> , Department of Terrestrial Magnetism, Carnegie Institution of Washington (USA)
Jun 2006 - Sep 2009	<b>Postdoctoral Research Fellow</b> , Department of Earth and Atmospheric Sciences, University of Alberta (Canada)
Jun 2005 - May 2006	<b>Postdoctoral Research Fellow</b> , Department of Geology, University of Maryland (USA)
Feb 2000 - Apr 2005	<b>Doctoral student</b> , Department of Earth and Planetary Sciences, Macquarie University (Australia)
Jan 1997 - Dec 1999	<b>Student assistant</b> , Institute of Mineralogy, Goethe-Universität, Frankfurt (Germany)
Aug 1996 - Jun 1999	<b>Masters student</b> , Institute of Mineralogy, Goethe-Universität Frankfurt (Germany)
Oct 1994 - Jul 1996	<b>Bachelor student</b> , Institute of Geology Goethe-Universität Frankfurt (Germany)

### NON-ACADEMIC CAREER \*

Dec 2003-May 2005	<b>Full-time office manager</b> , Barth Associates GmbH, Frankfurt (Germany) ( <i>while finishing PhD</i> )
Nov 1993-Dec 1999	<b>Part-time office manager</b> , Ebner Stolz & Partner GmbH, Frankfurt, Hau Know-How GmbH, Seligenstadt (Germany) ( <i>while studying</i> )
Jan 1992-Aug 1993	<b>Data Entry Operator</b> , various employers, El Paso TX and Riverside CA (USA)
Sep 1987 – Dec 1991	<b>Apprenticeship (Chamber of Commerce-certified), employment as Industrial Business Merchant</b> , Petri AG, Aschaffenburg (Germany)

\* Why this information? I aim to be a role model for working students from un(der)privileged backgrounds and/or with non-linear career paths, illustrate why I am much older than most of my academic peers, and show that “PhD age” alone is not always telling the whole story...

# Curriculum Vitae

## FUNDED PROJECTS - GERMAN RESEARCH FOUNDATION

### As principal investigator

TBA 2026	Not just carbon: Quantifying the role of intraplate lithospheric mantle in global volatile element cycles (DFG AU 356/15) – <b>EUR 309,026</b>
Apr 2025-Mar 2027	Crust-mantle evolution and deep volatile cycles through time (DFG AU 356/12, Heisenberg 2 <sup>nd</sup> funding period) – <b>EUR 268,488</b>
Aug 2022-Jul 2025	Complementary insights from orogenic and xenolithic eclogites as recorders of mass transfer in subduction zones: A unique case study from the Farallon plate (DFG AU 356/13) – <b>EUR 366,352</b>
Apr 2022-Mar 2025	Crust-mantle evolution and deep volatile cycles through time (DFG AU 356/12, Heisenberg 1 <sup>st</sup> funding period) – <b>EUR 379,900</b>
Apr 2020-Mar 2022	Water in mantle eclogite: Origin, distribution and physical consequences (DFG AU356/11) – <b>EUR 212,500</b>
Apr 2017-Mar 2020	Cratonic mantle eclogites as palaeodynamic archives (DFG AU356/10) – <b>EUR 338,150</b>
Apr 2014-Mar 2017	Cratonic granulite, pyroxenite and eclogite xenoliths: Archives of continental crust evolution and terrestrial trace element cycling (DFG AU356/8) – <b>EUR 282,650</b>
Jan 2012-Dec 2013	A multiple isotope and trace element approach to constrain the oxygenation and metal cycling of 3.5 to 3.2 Ga paleo-oceans (DFG AU356/7) – <b>EUR 168,539</b>
Aug 2011-Mar 2012	Tracing Lithosphere formation and evolution with highly siderophile elements and Os isotopes (DFG AU356/6) – <b>EUR 22,930</b>
Aug 2010-Jul 2011	Constraints on diamond formation and craton evolution from S isotopes and trace element contents in diamond sulfides (DFG AU356/3) – <b>EUR 12,730 + 1,701.92</b>

### As proposal author and co-investigator

Aug 2015-Dez 2016:	Peridotit-Xenolithe als Schlüssel zum Verständnis von starker Verarmung und Wiederanreicherung der Mantellithosphäre unter Grönland (DFG GE1152/9) – <b>EUR 36.650</b>
Jul 2014-Jun 2015:	A multiple isotope and trace element approach to constrain the oxygenation and metal cycling of 3.5 to 3.2 Ga paleo-oceans (DFG BR1012/41) – <b>EUR 73.740</b>

### As co-investigator

2011-2014	Lithosphäre in Zeit und Raum - zeitliche und (isotopen-)geochemische Entwicklung von überlagernden Krusten- und Mantelsegmenten
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## FUNDED PROJECTS - OTHER

2025	FABLOGITES The fabric of the Farallon plate interface archived in eclogite xenoliths – Transnational Access EXCITE2 Call 3 Research Infrastructure (E2-C3-29) – research stay at Centre National de la
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# Curriculum Vitae

- Recherche Scientifique (CNRS FR) to use the X500FE CrystalProbe (FEG-SEM) for large-area coupled EBSD and EDS mapping
- 2024 Research grant Alexander von Humboldt-Stiftung for research cost incurred during 2025-26 postdoc work by Levente Patkó – **EUR 19.200**
- 2024 Allotment for nominating the 2024 Heraeus visiting professor to fund collaborative projects between University of Montpellier and Goethe University – **EUR 40.000**
- 2023 Constraining rift-related diffuse mantle-CO<sub>2</sub> flux in the Eifel Volcanic Field – proposal designed to foster inter-institutional and inter-disciplinary collaboration, funded by Forschungsinitiative Rheinland-Pfalz awarded to “Earth System Critical Thresholds: Earth CriSys” led by Philip Pogge von Strandmann – **EUR 9.240**
- 2021 Ancient oceanic crusts as tracers of terrestrial mantle evolution – Transnational Access Europlanet2024 Research Infrastructure (20-EPN-014) – research stay at the Geology and Geochemistry radiogenic and non-traditional stable Isotope Facility-GGIF (NL)

## AWARDS AND MEASURES OF ESTEEM

- 2026 Solicited Speaker, MEREMA 3<sup>rd</sup> Edition, International School of Mantle Petrology, Volterra, Italy
- 2026 Solicited Speaker, Gordon Research Conference on Geochemistry of Mineral Deposits/Geochemistry at the Edge of Discovery, Barcelona, Spain
- 2025 Solicited Speaker, Gordon Research Conference on Interior of the Earth/ The Roles of Volatiles, Melt and Metasomatism in the Evolution and (In)stability of the Lithosphere, Smithfield, USA
- 2024 Selected 2023 **Outstanding Reviewer** for JGR: Solid Earth
- 2024 Keynote Speaker, 4<sup>th</sup> European Mineralogical Conference, Dublin, Ireland
- 2024 Selected 2024 **University of Vienna Visiting Professor**, Vienna, Austria (host professor: Rainer Abart)
- 2023 Solicited Speaker, Gordon Research Conference on Timing, Tempo and Drivers of Lithospheric Evolution, Mount Snow VT, USA
- 2023 Keynote Speaker, International Diamond School, Bressanone, Italy
- 2022 Selected for 2023 **Sapienza University Visiting Professor Call**, Rome, Italy (host professor: Vincenzo Stagno)
- 2022 **Heisenberg Fellowship** of the German Research Foundation (enabling outstanding researchers who meet all requirements for appointment to a professorship to prepare for a senior academic role while continuing their research)
- 2022 Keynote speaker, Congresso Società Geologica Italiana, Torino, Italy
- 2022 Symposium speaker, Frontiers in Mineralogy celebrating the 100<sup>th</sup> Annual Conference of the German Mineralogical Society DMG, GeoMinKöln, Cologne, Germany
- 2022 Keynote speaker, 23<sup>rd</sup> V. M. Goldschmidt Conference, Hawaii, USA

# Curriculum Vitae

2022	Keynote speaker, 21 <sup>st</sup> International Eclogite Conference, Lyon, France
2021	Recipient of the 2021 <b>Paul Gast Lecture Award</b> (bestowed by the European Association of Geochemistry and the Geochemical Society to a mid-career scientist for outstanding contributions to geochemistry)
2019	Solicited Speaker, Centennial Central at AGU Fall Meeting: Ingredients for Life, San Francisco, USA
2018	Solicited Speaker, Gordon Research Conference on Deep Carbon Science in the Context of Geologic Time, Smithfield, USA
2017	Keynote speaker, 27th V. M. Goldschmidt Conference, Paris, France
2016	Keynote speaker, 2 <sup>nd</sup> European Mineralogical Conference, Rimini, Italy
2014	„2014 <b>Exceptional Reviewer</b> “, GEOLOGY
2012	Certificate of <b>Excellence in Reviewing</b> , Chemical Geology
2011	Keynote speaker, International Conference on Craton Formation and Destruction, Beijing, China
2010	Travel Grant under the Frankfurt Geosciences Frauenförderplan
2009	„2009 <b>Exceptional Reviewer</b> “, GEOLOGY
2008	Keynote speaker, 18th V. M. Goldschmidt Conference, Vancouver, Canada
2005	<b>Feodor Lynen-Stipendium</b> , Alexander von Humboldt-Stiftung
2003	<i>PGRF Macquarie University Postgraduate Research Fund</i> , Australia
2003	8th International Kimberlite Conference (Victoria, Canada) travel grant
2002	12th V. M. Goldschmidt Conference (Davos, Switzerland) travel grant
2001	<i>PGRF Macquarie University Postgraduate Research Fund</i> , Australia
2000	Commendation, Deputy Vice Chancellor Research, Macquarie University, Australia
1999	<i>IPRS International Postgraduate Research Scholarship</i> , Australia
1999	<i>MUIPRA Macquarie University International Postgraduate Research Award</i> , Australia
1999	DAAD Fellowship for studies abroad (declined for Research Award and Scholarship to Macquarie University)

## TEACHING

### Full lectures, seminars and similar, Goethe-Universität Frankfurt (Germany)

Since WS 24/25	Working scientifically and BAC seminar: lectures, practical and seminar
Since SS 2024	Analytical methods (BSc module): contribution with 4 lectures on mass spectrometry and data quality assurance

# ***Curriculum Vitae***

WS 2023/24	Analytical methods (BSc module): contribution to the practical by demonstrating laboratory safety and principles of column chemistry
Since SS 2023	Full short course (MSc module): (Micro)analytical constraints on how Earth became habitable: critical events in the first two billion years
Since WS 2022/23	Full short course (MSc module): (Micro)analytical constraints on the origin, fate and significance of oceanic crust
Since 2020	Invited 16 colloquium speakers (including covering travel costs for 9 in-person presentations) and annotated 21 student papers on various topics
2025/23/21/18	Short course – Radiogenic and non-traditional isotopes: Analytical methods and applications (two lectures - subjects: Trace elements and PGE-Re-Os), Goethe University Frankfurt (Germany)
Oct 2009-Mar 2014	Introduction to geochemistry Introduction to isotope geochemistry Introduction to mineralogy (with 1 co-lecturer) Organiser of the analytical methods lecture series including 3-4/15 lectures and practical (sample preparation and analysis by ICPMS) Analytical methods short courses (with 3 co-lecturers) Organiser of the 2 <sup>nd</sup> geosciences seminar, supervision of 3-4 student papers Introduction to environmental sciences, 1 lecture

## **Other**

2024	Full short course – The Isotopic and Geochemical Toolbox in Geoscience, University of Vienna (Austria)
2016	Full short course – Continental crust formation and evolution, University of Bologna (Italy)
2009	Full graduate seminar EAS 536 – Mineralogy-Petrology-Geochemistry (subject: Silicate Earth - Composition, Structure, Evolution), University of Alberta (Canada)
2007-2008	Lecture (one-off) EAS 436/586 – Petrogenesis of Igneous and Metamorphic Rocks (subject: eclogites), University of Alberta (Canada)
2006	Lecture (one-off) GEOL 489H – Recent Advances in Geology (subject: diamonds), University of Maryland (USA)
2005	Lecture (one-off) GEOL 443 – Petrology, University of Maryland (USA)
2005	Coordinator geochemistry colloquium, University of Maryland (USA)
1998	Practical – Thin section microscopy, Goethe-Universität Frankfurt

# ***Curriculum Vitae***

## **STUDENT SUPERVISION**

### **Supervised bachelor theses**

Starting 2026	Evaluation of olivine in peridotite xenoliths as in-house standards – an EPMA study – Elias Gornowitz
Jul 2017	Raman und CL Untersuchungen von Juina Diamanten mit potentiell sublithosphärischem Ursprung – Antonia Ashauer (co-supervised)
Jul 2014	Mineralogy and geochemistry of sulphides in Eastern Alpine peridotites (Ulten-Nonsberg zone) – Lucas Dingeldein
Apr 2013	Platingruppenelemente und Re in Schwarzschiefern: Entwicklung der Methode und Anwendung auf Kupferschieferproben aus der Lausitz – Dominik Gudelius
Jun 2012	Sulfide minerals in the Spremberg-Graustein (Lusatia) Cu deposit - a petrographic and geochemical reconnaissance study – Daniel Kummert
Apr 2012	Institution of a method to concentrate and measure PGEs and Re-Os in geological materials by ICPMS - Haruko Gladys Gözl Carnero
Aug 2011	Melting of opx-rich peridotite – an experimental study – Natalie Gaspers (Aug 2011)
Aug 2011	Trace Elements in Base Metal Sulfides of the Spessart Ore District – Johannes Hofmann

### **(Co-)Supervised masters' theses and/or associated modules (project work)**

Starting 2026	Tracing pre-eruptive cratonic lithosphere evolution with kimberlite-borne megacrysts from the Kaapvaal craton - MSc Jonas Keller
Starting 2026	Verteilung von Seltenen Erden, Spurenelementen und Schwefel in supergenen Phosphaten und Manganoxiden – MSc Lucas Bek (Primary supervisor: Silke Voigt)
Starting 2026	Supergene Lagerstaetten als potenzielle Quellen kritischer Rohstoffe – Project work Lucas Bek (Primary supervisor: Silke Voigt)
From Oct 2024	Unravelling the petrogenesis of composite eclogite-pyroxenite xenoliths from Chino Valley (AZ) - Project work Jonas Keller
Jan 2026	Eclogite xenoliths from the Blaauwbosch lamproite and evolution of eclogitic diamond sources in the Kaapvaal craton – Project work Cecily Ogunjobi
Apr 2024	Illuminating mass transfer in warm subduction zones with metal stable isotopes: The Catalina Schist example – MSc Siqi Hao
Jun-Dec 2023	Reconstructing the Pressure-Temperature-Time Path of eclogite xenoliths from the Farallon Plate – Project work Siqi Hao
Dec 2015	Metasomatism in the mantle wedge: new insights from Eastern Alpine peridotites – MSc Dominik Gudelius

# Curriculum Vitae

- Jan 2014                      Geochemical constraints on the nature and effects of Kupferschiefer-related multi-stage metal enrichment in the Sangerhausen Basin – MSc Johannes Hofmann
- Oct 2013                      Ti phases in cratonic granulite xenoliths: recorders of lower crustal formation and evolution– MSc Bibiana Förster

## (Co-)Supervised doctoral theses and mentorship

- Starting Sep 2025              Evolution of the lithospheric mantle beneath accretionary orogenic belts as a model for craton formation – Yuchen Liu, visiting PhD student. Supervision during a 12-month scholarship from China University of Geosciences at Beijing (primary supervisor: Prof. Jingao Liu)
- Dec 2024-Nov 2025           Multistage subduction transfer of sulfur and its control on chalcophile elements in the Dabie-Sulu orogenic belt – Aiqing Ren, visiting PhD student. Supervision during a 12-month scholarship from China University of Geosciences at Wuhan (primary supervisor: Prof. Zaicong Wang)
- Nov 24                              In-situ trace element and Sr isotope geochemistry of mantle xenoliths from the Massif Central – Hubert Mazurek, visiting PhD student. Supervision during a 2-week Erasmus scholarship (primary supervisor: Prof. Magdalena Matusiak-Małek, Wrocław University)
- Jun 2024-May 2025              Stable isotope perspectives on volatile cycles in Archaean subduction zones: Insights from cratonic eclogite xenoliths – Yuanru Qu, visiting PhD student. Supervision during a 12-month scholarship from China University of Geosciences at Beijing (primary supervisor: Prof. Sheng-Ao Liu)
- Aug 2022-Nov 2022              Geochemistry of ultramafic rocks in the Swedish and Norwegian Caledonides – Daniel Buczko, visiting PhD student. Supervision during a 4-month DAAD scholarship (primary supervisor: Prof. Magdalena Matusiak-Małek, Wrocław University)
- Jan 2019-Apr 2019              Geochemistry of basalt-borne mantle xenoliths from Vogelsberg (Germany) – Małgorzata Ziobro, visiting PhD student. Supervision during a 4-month DAAD scholarship (primary supervisor: Prof. Jacek Puziewicz, Wrocław University)
- Oct 2018-Sep 2019              The lithospheric mantle beneath the NE North China Craton – Abing Lin, visiting PhD student. Supervision during a 12-month scholarship from China University of Geosciences at Wuhan (primary supervisor: Prof. Jian-Ping Zheng)
- 2018                                  Depletion and metasomatic enrichment of the deep mantle wedge - The Ulten Zone case – Bibiana Förster. Co-supervision (primary supervisor: Prof. Roberto Braga, University of Bologna)
- 2016                                  A multiple isotope and trace element approach to constrain the oxygenation and metal cycling of 3.5 to 3.2 Ga paleo-oceans – Philipp Rammensee
- 2014                                  Characteristics of the continental lithospheric mantle beneath the Greenland craton – Jing Sun, visiting PhD student. Supervision during a 12-month DAAD scholarship (primary supervisor: Prof. Chuan-Zhou Liu, Chinese Academy of Sciences, Beijing)

# *Curriculum Vitae*

## **Postdoctoral research mentor**

Jan 2025-Dec 2026	Dr. Levente Patkó (Goethe University Frankfurt/Humboldt fellowship): Thermochemical evolution of the lithosphere beneath the Pannonian Basin with implications for mantle-CO <sub>2</sub> release
Since Mar 2023	Dr. Jiten Pattnaik (Ben Gurion University of the Negev, Israel): Eclogite xenoliths from the Kaapvaal craton (South Africa) and mantle-derived material from the Dharwar craton (India)
2022-2026	Dr. Johannes Pohlner (Goethe University Frankfurt/DFG-funding to SA): Complementary insights from orogenic and xenolithic eclogites as recorders of mass transfer in subduction zones: A unique case study from the Farallon plate
Since 2019	Dr. Denis Mikhailenko (Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia): Eclogite petrogenesis
2019-2024	Dr. Abing Lin (Northwest University, Xi'an, China): Mantle evolution beneath northwestern China
2016-2019	Dr. Melesse Alemayehu (Adama Science and Technology University, Ethiopia): Plume-lithosphere interactions in the East African Rift

## **PROFESSIONAL AFFILIATIONS**

2023-present	Member, European Geosciences Union
2021-present	Member, Deutsche Mineralogische Gesellschaft
2006-present	Member, American Geophysical Union
2005-present	Member, Geochemical Society

## **SERVICE TO THE SCIENTIFIC COMMUNITY**

### **Committees**

Since 2019	Member of the International Kimberlite Conferences Advisory Committee
2025	MSc Examiner – Anniken Wiig Helland-Hansen, The Arctic University of Norway (UiT)
2019	PhD Examiner – Angus Fitzpayne, University of Melbourne
2015-2019	Co-Chair of the Steering Committee Officers and Research Partner - Diamonds and Mantle Geodynamics of Carbon (DMGC) consortium funded by the Deep Carbon Observatory
2015-2019	Science Steering Committee - Reservoirs & Fluxes (RF) Community in the Deep Carbon Observatory

### **Editorial responsibilities**

Since April 2022	Co-Editor-in-Chief Chemical Geology
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# ***Curriculum Vitae***

Since 2019	Member of the Journal of Petrology Advisory Board
2024/25	Guest editor Mineralogy and Petrology Special Issue: Proceedings of 12th International Kimberlite Conference (Managing Guest Editor: Thomas Stachel)
2024/25	Guest editor Lithos Special Issue: From the ocean floor to subduction zones and beyond - focusing on the contributions of early-to-mid career women scientists whose work and collaborations have greatly improved our knowledge (Managing Guest Editor: Nadia Malaspina)
2021	Guest editor Lithos Special Issue: Origin and Evolution of Continental Mantle Lithosphere and its Resource Endowment (Managing Guest Editor: Jose-Maria Gonzalez-Jimenez)
2020	Guest editor Geochimica et Cosmochimica Acta Special Issue: The continents: Origin, evolution and interactions with other reservoirs (Managing Guest Editor: Fang-Zhen Teng)
2019 - 2025	Member of the Precambrian Research Editorial Board
2015	Guest editor Tectonophysics Special Volume: Lithosphere Evolution (Managing Guest Editor: Gianluca Bianchini)
2009	Guest editor Lithos Special Volume: Proceedings of the 9th International Kimberlite Conference (Managing Guest Editor: Stephen Foley)

## **Journal reviews (>170)**

American Mineralogist, Canadian Mineralogist, Chemical Geology, Communications Earth & Environment, Contributions to Mineralogy and Petrology, Earth and Planetary Science Letter, Economic Geology, Earth Science Reviews, European Journal of Mineralogy, Frontiers in Earth Science, G-Cubed, Geochemical Perspective Letters, Geochimica et Cosmochimica Acta, Geology, GeoResJ, Geological Magazine, Geoscience Frontiers, Gondwana Research, Journal of Metamorphic Geology, Journal of Asian Earth Science, Journal of Geophysical Research, Journal of Petrology, Lithos, Journal of Raman Spectroscopy, Minerals, Mineralogical Magazine, Mineralogy and Petrology, National Science Review, Nature, Nature Communications, Nature Geoscience, Precambrian Research, Science, Tectonophysics, Terra Nova, The Geological Society Special Publications

## **Proposal reviews (>20)**

German Research Foundation (DFG), European Research Council (ERC), Fonds zur Förderung der wissenschaftlichen Forschung (FWF-Austria), Irish Research Council, National Science Foundation (NSF-USA), Israel Science Foundation, National Research

# ***Curriculum Vitae***

Foundation (NRF-South Africa), National Aeronautics and Space Administration (NASA), Natural Environment Research Council (NERC-UK), NSERC Canada, Netherlands Organisation for Scientific Research (NWO), Swiss National Science Foundation (SNSF)

## **Conference activities**

2024	Scientific Themes convener: Cratonic Mantle - Petrology, Geochemistry and Geophysics - 12th International Kimberlite Conference (Yellowknife, Canada)
2024	Student Awards Chair - 12th International Kimberlite Conference (Yellowknife, Canada)
2025-21, 2019-17	Judge, Outstanding Student Poster and PICO (OSPP) Award contest - EGU General Assembly (Vienna)
2019	Theme Chair (Earth's Lithosphere Formation, Evolution and Recycling) - Goldschmidt (Barcelona, Spain)
2017	Subcommittee member: Financial Support, Student Awards - 11th International Kimberlite Conference (Gaborone, Botswana)
2008	Subcommittee member - 9th International Kimberlite Conference (Frankfurt, Germany)
2008-2026	Session (co)convener for 11 sessions at Goldschmidt (2010, 2013, 2014, 2016, 2018 2x, 2019, 2021, 2023, 2025 2x), 14 sessions at European Geosciences Union General Assembly (2014, 2016, 2017 2x, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025 2x, 2026), 2 sessions at the International Kimberlite Conference (2008, 2024), 1 session each at American Geophysical Union Fall Meeting (2019), European Mineralogical Conference (2012), General Meeting of the International Mineralogical Association (2022), and Orogenic Lherzolite Conference (2014)

## **Invited presentations at colloquia, seminars, shortcourses and symposia**

(32) 2025	Martin-Luther-University Halle-Wittenberg, Germany (geocolloquium)
(31) 2025	ETH Zurich, Switzerland (Geophysical Fluid Dynamics seminar)
(30) 2025	University of California at Riverside, USA (virtual seminar)
(29) 2024	University of Vienna, Austria (mineralogical seminar)
(28) 2024	University of Vienna, Austria (institutional colloquium)
(27) 2023	Sapienza Università di Roma, Italy (institutional colloquium)
(26) 2021	Universität Innsbruck, Austria (institutional colloquium)
(25) 2021	Deutsches GeoForschungsZentrum, Germany, seminar on „Rifts and Margins“ (virtual)
(24) 2021	University of California at Santa Barbara, USA (virtual)
(23) 2019	Freie Universität Berlin, Germany

# ***Curriculum Vitae***

(22) 2019	Deep Carbon 2019 Conference, Washington DC, USA
(21) 2019	Reservoirs and Fluxes Symposium, Washington DC, USA
(20) 2019	Universität Wien, Austria (mineralogical seminar)
(19) 2018	Bayerisches Geoinstitut Bayreuth, Germany
(18) 2017	Third Deep Carbon Observatory International Science Meeting, St. Andrews, UK
(17) 2017	Lamont-Doherty Earth Observatory, Palisades, USA
(16) 2016	Arizona State University, USA (virtual)
(15) 2015	Scripps Institution of Oceanography, San Diego, USA
(14) 2015	University of Science and Technology of China, Hefei, China
(13) 2015	ISTO, Université d'Orléans, France
(12) 2014	Johannes Gutenberg University of Mainz, Germany
(11) 2013	University of Bergen, Norway
(10) 2013	Technical University Graz, Austria
(9) 2013	De Beers Exploration Office, Johannesburg, South Africa
(8) 2011	University of Maryland, College Park, USA
(7) 2011	Institut de Physique du Globe de Paris, France
(6) 2011	Johannes Gutenberg University Mainz, Germany
(5) 2011	Westfälische Wilhelms-Universität Münster, Germany
(4) 2011	Chinese Academy of Geological Sciences Beijing, China
(3) 2011	Virginia Tech, Blacksburg, USA
(2) 2010	Centre National de la Recherche Scientifique, Nancy, France
(1) 2008	University of Alberta, Edmonton, Canada

## ***PUBLIC AND INTER-UNIVERSITARY/INSTITUTIONAL OUTREACH***

May 2025	Contribution of my group to the Institute of Geosciences "Department Days" with an oral presentation (Aulbach) and two posters (Hao, Patkó), Frankfurt
April 2025	Contribution of my group to the Rhein Main Universities Strategic Meeting with two posters (Hao, Patkó)
Jan 2025	Contributed to an online-article (Frankfurter Rundschau: "Wird Afrika auseinanderbrechen? Der Zeitplan hat sich geändert" 28 January) and to a radio piece (broadcast on hr INFO and Deutschlandfunk 27 January) on the East African Rift System (written/spoken by science journalists)
2024	Contributed a portrait of myself to Goethe University's "Women at Work"
2023, 2025	Represented Geosciences Frankfurt on 1/2 "Physical Sciences Days" (Tag der Naturwissenschaften) for high schoolers
2023	Contribution to Goethe-University's Forschung Frankfurt "Die turbulente Kindheit der Erde" (written by a science journalist)
2022	Decoding Deep Earth with Trace Elements and Isotopes – FIERCE Symposium, Goethe University Frankfurt

# Curriculum Vitae

- 2021 Contribution to Goethe-University's UniReport "How Earth became habitable" (written by a science journalist)
- 2010/11 CyberMentor (E-Mentoring-Programme for girls and young women to foment interest for and participation of women in mathematics, informatics, natural sciences and technical sciences)
- 2010 Speaker at the "Radiometrisches Seminar Theuern" (public seminar on radioactivity-related topics held by Prof. Dr. Henning von Philipsborn)

## ESTABLISHMENT OF LABORATORY AND ANALYTICAL ROUTINES

- 2023-2025 Institution / refinement of column chemistry and mass spectrometry routines for the accurate and precise determination of Mg, Fe and Zn isotope ratios by multicollector ICPMS (Goethe-University Frankfurt, Germany)
- 2013 Institution of column chemistry and mass spectrometry routines for the accurate and precise determination of PGE concentrations and Re-Os isotope systematics in geological samples by isotope dilution (multicollector) ICPMS (Goethe-University Frankfurt, Germany)
- 2009 Institution of analytical routines to measure trace elements in sulphide minerals by laser ablation ICPMS (Goethe-University Frankfurt, Germany)
- 2010-2012 Organisation of laboratory safety documentation and standard operating procedures (Goethe-University Frankfurt, Germany)
- 2006-2007 Institution of column chemistry to separate Pb, Re, Os and transition metals in ultra-small samples (single sulfide grains) (University of Alberta, Canada)
- 2005 Institution of column chemistry to separate Nd and Sr in combination with Li; institution of the analytical protocol to analyse Nd isotopes by multicollector ICPMS (University of Maryland, USA)

## COLLABORATIONS (LAST 5 YEARS)

*Dr. Casetta, Prof. Ntaflou* (University of Vienna): Characterisation of continental mantle  
*Prof. Vincenzo Stagno* (Sapienza University Rome): Speciation and mobility of volatiles in the continental and convecting mantle  
*Dr. Willie Nicklas* (Boston University), *Prof. Jintuan Wang* (Guangzhou University), *Prof. Craig O'Neill* (Queensland University of Technology), *Dr. Fangyi Zhang* (Chinese Academy of Sciences at Qingdao): Mantle redox evolution  
*Prof. Dan Schulze* (University of Toronto): Petrogenesis of xenocrysts and xenoliths from various cratons  
*Prof. Sarah Penniston-Dorland* (University of Maryland): Petrogenesis of orogenic amphibolites and eclogites from the Franciscan Complex and Catalina Island  
*Prof. Ronny Schoenberg* and *Dr. Ilka Kleinhanns* (University of Tuebingen): Cr isotope geochemistry of eclogite xenoliths as probes of subducted oceanic crust

# ***Curriculum Vitae***

*Prof. Jacek Puziewicz, Dr. Magda Matusiak-Matek* (University of Wrocław): Origin and evolution of the lithospheric mantle beneath Variscan Europe, Scotland and the Cameroon Volcanic Line

*Prof. Roberto Braga* (Bologna University): Metasomatic processes in eclogite-facies ultramafic rocks from the Ulten Zone, Italy

*Dr. Denis Mikhailenko, Prof. Andrey Korsakov* (Russian Academy of Sciences): Origin and evolution of eclogite and pyroxenite xenoliths from the Siberian craton

*Prof. Fanus Viljoen* (University of Johannesburg), *Prof. Anton Le Roex* (University of Cape Town), *Prof. Dorrit Jacob* (Macquarie University): Origin and evolution of eclogite and pyroxenite xenoliths from the Kaapvaal craton

*Dr. Jan Schoenig* (University of Goettingen): Detrital rutile as a sedimentary record of ultra-high-pressure metamorphism

*Prof. Klaudia Kuiper* (Vrije Universiteit Amsterdam): Ar-Ar dating of phlogopite

*Prof. Roland Stalder* (University of Innsbruck) and *Prof. Rondi Davies* (Queensborough Community College): Water in nominally anhydrous minerals from cratonic xenoliths and xenocrysts

*Dr. Craig O'Neill, Dr. Huaiyu Yuan* (Macquarie University): Mantle structure and dynamics

*Prof. Sebastian Tappe* (University of Tromsø): Lithospheric mantle beneath W Greenland

*Prof. Greg Yaxley* (Australian National University): Lithospheric mantle beneath SE Australia

*Prof. A-Bing Lin* (Northwest University Xi'an): Lithospheric mantle beneath E China

*Profs. Thomas Stachel, Larry Heaman, Tom Chacko, Dr. Richard Stern* (University of Alberta, Canada), *Dr. Steven Shirey* (Carnegie Institution of Washington): Origin and evolution of the continental lithosphere from diamonds, their inclusions and crust and mantle xenoliths

*Dr. Malcolm Massuyeau* (Universität Münster), *Dr. Joshua Garber* (Pennsylvania State University): Petrologic-thermophysical-thermodynamic modelling constraints on melt transfer in the mantle and eclogite geophysical properties

*Dr. Andrea Giuliani* (ETH Zurich), *Dr. Marco Fiorentini* (University of Western Australia): Evolution of the continental lithospheric mantle and relevance to ore formation