

**PERSONAL DATA**

Name	Angelika Dorothea Rosa
Date of Birth	19 <sup>th</sup> of November 1983
Place of Birth	Munich, Germany
Nationality	German
Address	ESRF, ID24/BM23 71 Avenue des Martyrs 38000 Grenoble France
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**CAREER DEVELOPMENTS**

04 / 2018 – present     **Scientist** in charge of the static extreme condition program of the X-ray absorption beamlines ID24/BM23 at the ESRF in the research area of geochemistry.

04 / 2015 – 04 / 2018     **Post-doctoral research fellow** at the X-ray absorption beamlines ID24/BM23 of the ESRF in the research area of geochemistry.

01 / 2013 – 03 / 2015     **Post-doctoral research fellow** (Swiss National Science Foundation) at the “Unité de Matériaux et Transformation (UMET)”, University of Lille, France

**ACADEMIC EDUCATION**

12 / 2008 – 04 / 2013     **PhD in experimental mineral physics**  
Department of Geochemistry and Petrology, ETH Zürich, Switzerland  
Supervisor: Prof. C. Sanchez-Valle  
**Title:** Elasticity and preferred orientation of ultra-high-pressure hydrous phase: Implications for seismic anisotropy and deep water recycling in subduction zones

11 / 2008     **Diploma in experimental mineralogy (grade: *very good*)**  
Institute of Mineralogy, University of Heidelberg, Germany  
Supervisor: Prof. R. Miletich-Pawliczek  
**Title:** High-pressure crystallography of the  $\text{ABSi}_4\text{O}_{10}$  Gillespite structure type

**RESEARCH GRANTS AND AWARDED PROPOSALS FOR BEAMTIME AT LARGE FACILITIES**

- **Swiss National Science Foundation fellowship** / One-year postdoctoral fellow at the UMET, University of Lille, France, hosted by Prof. S. Merkel  
**Title:** *In situ* 3D-high-resolution X-ray diffraction tracking of individual grains of olivine during high pressure/high temperature phase transitions
- Awarded funding for a joint project at the “Réseau de technologie des hautes pressions du CNRS” 2019 coordinated by Jean-Philippe Perrillat.

**Title:** Nouvelle génération d'assemblages expérimentaux pour enclumes Paris-Edimbourg toroïdales

- Funding for five PhD and trainee proposals at the ESRF
- Allocation of beamtime for more than 20 proposals at different synchrotrons (ESRF, SOLEIL, PETRAIII, PSI)

#### **RESEARCH OUTPUT AND IMPACT:**

- **31** (+ six submitted) publications in international peer-reviewed journals; 12 as first-author and 12 as second or third author.
- **274/ 200** citations (google scholar/ web of science)
- h-index **11 / 9** (google scholar / web of science)
- 8 invited seminars (*details see publication list*)
- 10 invited oral presentations (*details see publication list*)
- 18 oral presentations and 28 poster presentations (*details see publication list*)

#### **REVIEW ACTIVITIES FOR INTERNATIONAL JOURNALS**

- Science Advances, Scientific Reports, Geophysical Research Letters, Minerals, Crystals, Physical Review Letters (7 /year)

#### **ORGANIZATIONAL EXPERIENCES**

- Main organizer together with G. Garbarino (Scientist ESRF) of the “School on High Pressure Techniques” that took place at the ESRF from 21-17 of June 2019. <https://www.esrf.eu/high-pressure-school>  
100 students and researchers from 13 countries have met at the 5-days high-pressure workshop held at the ESRF. The main objectives of this event were to present state-of-the-art extreme condition science and instrumentation, propose practical works and discuss the new scientific opportunities that the EBS upgrade will offer.
- Discussion Leader for the session on “Scientific Opportunities Opened by New Experimental Approaches” at the Gordon Research Conference for Research at High Pressure in Holderness USA (planned for June 2020, postponed to June 2022).
- Co-Chair of the Micro-symposium “Matter at extreme conditions at SR and XFEL: complementarity of spectroscopy and diffraction” at the IUCR, Prague in (planned for August 2020 postponed to August 2021).

#### **SUPERVISOR EXPERIENCES**

- I presently co-supervise two post-docs (ongoing), a PhD student (Marija Krstulović ongoing, co-supervised with the University Potsdam) and I am involved in another PhD thesis (N. Jaisel, IsTerre). I have also successfully supervised four master students, a technical trainee student and a summer school student. I am currently supervising another master student.
- Invited member of the PhD thesis jury of P. Faure “Behaviour of lithophile elements during core formation” at the Laboratoire Magmas et Volcans, Clermont-Ferrand (**Oct. 2019**).
- I have been member of the recruitment panels of 2 scientists, a post-doc and 2 PhD students.