**Research Profile – Philipp Gleißner**

*1) General information*

* Gleißner, Philipp Friedrich, Dr. rer. nat., date of birth: 14.05.1975
* Institut für Geologische Wissenschaften, Arbeitsbereich Geochemie, Freie Universität Berlin, Malteserstraße 74-100, 12249 Berlin, Tel.: +49-30-838-70904, e-mail: [gleissner@zedat.fu-berlin.de](mailto:gleissner@zedat.fu-berlin.de)
* Current position: Research Scientist and MC-ICP-MS Lab Manager

*2) Academic education and degrees*

Petrology and Geochemistry (2006 – 2010) Technische Universität Berlin, Doctoral degree

Geosciences and Mineralogy (1999 – 2006), Technische Universität Berlin, Diploma in Geosciences

*3) Scientific degrees*

Doctoral degree: Dr. rer. nat., Technische Universität Berlin, 2010

*4) Professional experience*

2021 – recent Research Scientist, Freie Universität Berlin, Institute of Geological Sciences

2016 - 2022 Postdoc, Freie Universität Berlin, Institute of Geological Sciences, DFG TRR 170: Late accretion onto terrestrial planets, project B1

2013 - 2016 Postdoc, Freie Universität Berlin, Institute of Geological Sciences, DFG project: Re-Os geochronology and abundances of highly siderophile elements in ancient lunar impact rocks

2011 – 2013 Visiting lecturer, Freie Universität Berlin,Institute of Geological Sciences

2010 – 2011 Research Scientist, Technische Universität Berlin, Institute of Applied Geosciences

*5) Professional activities (selected)*

Reviewer for Geochimica et Cosmochimica Acta, Meteoritics & Planetary Science and Nature Geoscience

*6) Publications (since 2011)*

Gleißner, P., Salme, J. and Becker, H. (2022): Siderophile volatile element inventory in lunar magmatic rocks and mantle sources. Earth and Planetary Science Letters, 593, 117680.

Gleißner, P. and Becker, H. (2020): New constraints on the formation of lunar mafic impact melt breccias from S-Se-Te and highly siderophile elements. Meteoritics & Planetary Science 55, 2044-2065.

Secchiari, A., Gleissner, P., Li, C., Goncharov, A., Milke, R., Becker, H., Bosch, D., Montanini, A. (2020): Highly siderophile and chalcophile element behaviour in abyssal-type and supra-subduction zone mantle: New insights from the New Caledonia ophiolite. Lithos 354, 105328.

Archer, G.J., Brennecka, G.A., Gleißner, P., Stracke, A., Becker, H., Kleine, T. (2019) Lack of late-accreted material as the origin of 182W excesses in the Archean mantle: Evidence from the Pilbara Craton, Western Australia. Earth and Planetary Science Letters 528, 115841.

Gleißner, P. (2019): News & Views: The Earth–Moon late-accretion conundrum. Nature Geoscience 12(9), 683-684.

Gleißner, P. and Becker, H. (2019): Origin of lunar fragmental matrix breccias – highly siderophile element constraints. Meteoritics & Planetary Science 54, 2006-2026.

Mari, N., Riches, A.J.V., Hallis, L.J., Marrocchi, Y., Villeneuve, J., Gleissner, P., Becker, H., Lee, M.R. (2019): Syneruptive incorporation of martian surface Sulphur in the nakhlite lava flows revealed by S and Os isotopes and highly siderophile elements: implication for mantle sources in Mars. Geochimica et Cosmochimica Acta 266, 416-434.

Gleißner, P. and Becker, H. (2017): Formation of Apollo 16 impactites and the composition of late accreted material: Constraints from Os isotopes, highly siderophile elements and sulfur abundances. Geochimica et Cosmochimica Acta 200, 1-24.

Gleißner, P., Drüppel, K., Becker, H. (2012): Osmium isotope and highly siderophile element constraints on the origin of the massif-type anorthosites of the Mesoproterozoic Kunene Intrusive Complex, NW Namibia. Chemical Geology 302-303, 33-47.

Gleißner, P., Drüppel, K., Romer, R.L. (2011): The role of crustal contamination in massif-type anorthosites, new evidence from Sr-Nd-Pb isotopic composition of the Kunene Intrusive Complex, NW Namibia. Precambrian Research 185, 18-36.