

Application for a postdoctoral position

23/10/2024

**Gabriel
DEVOS**

29 y.o.

Languages

- **French:** mother tongue
- **English:** professional use (European levels C1-C2)

Other experiences

- **2022-23:** presidency of the doctoral school student's association
- **2019:** 6 weeks in Belize to practice English and survey the coral reef biodiversity
- **2018:** 6 months of industrial internship at Eurovia mining (GIS and prospection)

Career

2020– 2024: PhD - Stable isotopes geochemistry

Institut de Physique du Globe de Paris (IPGP), Paris Cité University, Paris, France

Defended the 29th April; jury: Pr. P. Beck and N. Vigier (Rapporteurs) and I. Blanchard, A. Agranier, J. Siebert and A. Gourlan (Examiners)

Supervised by Prof. Frédéric **Moynier** and Martin **Bizzarro**

- Research fields:
 - **Cadmium**, Zinc, Potassium and Calcium stable isotopes
 - **Bulk silicate Earth** isotope composition (igneous samples)
 - **Igneous processes** (partial melting, fractional crystallization)
 - **Vaporization/condensation** events (tektites and Hiroshima glasses)
 - Nebular processes (bulk **chondrites** study)
- 1st author publications
 - **Cadmium isotope composition of the Earth's mantle** inferred from analysis of oceanic basalts and komatiites – Chemical Geology, 2024 – <https://doi.org/10.1016/j.chemgeo.2024.121996>
 - **Cadmium isotopic study** of 18 carbonaceous, ordinary and enstatite **chondrites** and of impact glasses – in redaction
 - **Cd isotope fractionation during fractional crystallization** – in redaction
- Lab skills
 - **Acid digestion, ion-exchange resin purification** of silicates
 - Mass spectrometry: **MC-ICP-MS** (Neptune and Neptune Plus)
 - **Isotope dilution** and **double spike** techniques
- Teaching contract - bachelor's degree – 2020-22 (64h/year):
 - **Thermochemistry** – 1st year B.S. tutorial and exercises class
 - **Organic chemistry** – 2nd year B.S. tutorial and exercises class
 - **External geodynamics** – 3rd year B.S. tutorial and exercises class

Formation

2019 – 20: Master 2 « 3GE »

3GE: geochemistry, geobiology, geomaterials and environment

IPGP, Paris, France

2017–18: Research master 2 « Earth and planets»

Cosmochemistry, magmatism, tectonics, climatology

Center for petrographic and geochemical researches (CRPG), Nancy, France

Research internship: 5 months, experimental petrology (supervised by F. Faure)

Field trip: 2 weeks, seismology, structural geology and volcanology

2015–18: geologist engineer school

3-years cursus delivering a master's degree equivalent

ENSG, Nancy, France

Industrial research internship: 2 months, experimental petrology (supervised by F. Faure), in partnership with Eramet Research

Field trip: 7 weeks in 4 trips, geological cartography, structure description, ore prospection