

## **Julie PERROT**

Assistant Professor – Université de Bretagne Occidentale (UBO)

**Birth :** December, 27, 1966, France

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### **Academic Qualifications and Appointments**

- **09/1998 - present :** Assistant Professor at UBO
- **1990 - 1994 :** Ph.D. Thesis in Geophysics , at the Nice-Sophia Antipolis University, Nice, France.

### **Main research interests**

- Seismic and acoustic wave propagation, seismotectonics
- Geodynamics, mid-oceanic ridge processes, rift, extensional tectonics
- Sismological and hydrophones array.

### **Teaching and advising, management**

- Graduate (MSc) and undergraduate research advised : 16
- Ph Advised : 4
- In charge of the RAP-UBO (national seismological array in Brittany, part of RESIF-RAP) since 2008

### **Selected survey experience**

- 8 seismotectonics experiments, 3 as PI : SISBREIZH, France (2002), VENDE, France (2011-2014), GOC, Mexico (2013).
- 6 seismic wide-angle survey on land, 3 as PI : DAKHLA, Morocco (2002), SARDINIA, Italie (2006), MARGATS, Guyane (2016).
- 14 marine surveys, 6 as PI : HYDROBS-MOMAR (2010 et 2011), HYDROMOMAR12, HYDROMOMAR14, HYDRMOMAR16 and HYDROMOMAR18, moorings of hydrophones array

### **Scientific production : 26 papers, 55 abstracts at international meetings**

#### **Selected references**

- Giusti M., **Perrot J.**, Dziak R.P., Sukhovich A. and M. Maia, The August 2010 earthquake swarm at North FAMOUS–FAMOUS segments, Mid-Atlantic Ridge: geophysical evidence of dike intrusion, 2018, *Geophys. J. Int.*, 215, 181-195, doi: 10.1093/gji/ggy239.
- Tsang-Hin-Sun E., Royer J.-Y. & **Perrot J.**, 2016, Seismicity and active accretion processes at the ultraslow-spreading Southwest and intermediate-spreading Southeast Indian ridges from hydroacoustic data, *Geophys. J. Int.*, 206, 1232–1245, doi: 10.1093/gji/ggw201
- Albaric J., J. Déverchère, **J. Perrot**, A. Jakovlev and A. Deschamps, Deep crustal earthquakes in North Tanzania, East Africa: Interplay between tectonic and magmatic processes in an incipient rift, *Geochem. Geophys. Geosyst.*, 2014, 15.
- Goslin J., **J. Perrot**, J.-Y. Royer, C. Martin, N. Lourenço, J. Luis, R.P. Dziak, H. Matsumoto, J. Haxel, M. J. Fowler, C. G. Fox, A. T.-K. Lau and S. Bazin., Spatiotemporal distribution of the seismicity along the Mid-Atlantic Ridge north of the Azores from hydroacoustic data: Insights into seismogenic processes in a ridge–hot spot context, *Geochem. Geophys. Geosyst.*, 2012, 13, Q02010, doi:10.1029/2011GC003828.
- **J. Perrot**, P. Arroucau, J. Guilbert, J. Déverchère, Y. Mazabraud, J. Rolet, A. Mocquet, M. Mousseau and L. Matias, Analysis of the Lorient earthquake ( $M_w=4.3$ ) and its aftershocks: implications in the geodynamics of the intraplat Armorican Massif, 2005, *Geophys. J. Int.*, 162, 935-960.