

## Sabrina BERLENDIS, Phd

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### HIGHLIGHTS OF QUALIFICATIONS

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- Postdoctoral studies dedicated to **organic geochemistry, geomicrobiology and biogeochemistry**
- Since 2016: eligible for applying as associate-professor in France by the National University Council in the following sections:  
*Structure and evolution of Earth and other planets, Solid Earth: geodynamics of upper envelopes and paleobiosphere , organisms biology*
- **Research interests** : bioremediation in subsurface environments, petroleum microbiology and early diagenesis processes, fluid-rocks reactions in subseafloor, microbial ecology in deep hypersaline anoxic lakes
- **PhD degree in environmental microbiology, B.S in Earth Sciences**

### EMPLOYMENT HISTORY

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<b>Postdoctoral researcher</b> (supervisor: Loïs Maignien) Institut Universitaire Européen de la Mer, Université de Bretagne Occidentale Brest, France	<b>2016-2017</b>
<b>Research associate and visiting scientist</b> (supervisor: R. John Parkes) School of Earth and Ocean Sciences, Cardiff University, UK	<b>2014-2016</b>
<b>CNRS Postdoctoral researcher</b> (Mentorship in organic geochemistry: Sylvie Derenne; Project investigator: Olivier Beyssac) Université Pierre et Marie Curie, Paris, France	<b>2011-2013</b>
<b>Research assistant</b> (supervisors: Michel Magot, Pierre Sivadon) Pau University, Industry fellowship (TOTAL, Gaz de France, TIGF), France	<b>2006-2010</b>

### EDUCATION HISTORY

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<b>Ph.D. Degree in Environmental microbiology with highest honours</b> Pau University (Université de Pau et des Pays de l'Adour), Pau, France	<b>2007-2010</b>
<b>M.Sc. Degree in Environmental Biotechnology and Bioprotection</b> Pau University (Université de Pau et des Pays de l'Adour), Pau, France	<b>2005-2006</b>
<b>One-year internship at the Institute of Research and Development (IRD)</b> Aix-Marseille University, Marseille, France Research focused on halophilic microorganisms	<b>2004-2005</b>
<b>Maîtrise in Environmental Sciences (oceanography)</b> Aix-Marseille University, Marseille, France (4-year degree diploma, ancient university title in France)	<b>2003-2004</b>
<b>B.Sc. Degree in Earth Sciences, Geology and Biology</b> Aix-Marseille University, Marseille, France	<b>2000-2003</b>

## SPECIALTY OVERVIEW AND OTHER SKILLS

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### *Scientific interests and technical approaches used*

- **Investigating microbial ecology in natural environments** (continental subsurface and subseafloor, marine environments, earth surface weathering processes) : microbial cultivation and DNA/RNA-based techniques, bioinformatics, microscopy (independent user in electron microscopy)
- **Assessing biological and geochemical characteristics of environmental samples:** conducted independent research experiences from fieldwork to data analysis: gas and pore water analysis, mineral and organic materials characterization (IR and X-ray spectroscopies including EDX-SEM and XRD, pyGC-MS data analysis, Rock-Eval data analysis)
- **Understanding evolution of sedimentary organic matter and fate of hazardous organic compounds in environment**

### *Reporting and communication*

- Reported project progress in quarterly report for industrial funders, published results in international peer-reviewed scientific journals, **exercised discretion in handling confidential materials** (PhD thesis under confidentiality agreement until 2020)
- Conducted oral presentation in international conference and technical workshops (see list of published works and communications):  
**Travel award in 2008** from the **International Society of Subsurface Microbiology** for an oral presentation in Japan at the 9<sup>th</sup> ISSM Conference.

### *Organizational and teamwork skills*

- Students mentorship: Supervised laboratory work and projects for master thesis (Marie-Agnès Yang and Joan Mas, co-author in my last paper) at Pau University and short-term B.S internship (Guilhem Olombel) at Cardiff University
- managed product stocks and equipment maintenance with technicians, designed and implemented experimental settings for anaerobic cultivations (Cardiff university)

## SELECTED PEER-REVIEWED PUBLICATIONS

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**Berlendis S.**, Lascourreges J.F., Schraauwers B., Sivadon P., Magot M. (2010) Anaerobic Biodegradation of BTEX by Original Bacterial Communities from an Underground Gas Storage Aquifer. *Environmental Science & Technology* 44 (9): 3621-3628.

**Berlendis S.**, Beyssac O., Derenne S., Benzerara K., Anquetil C, Guillaumet M., Estève I., B. Capelle (2014). Comparative mineralogy, organic geochemistry and microbial diversity of the Autun black shale and Graissessac coal (France). *International Journal of Coal Geology*, 132: 147-157.

\*Aullo T., \* **Berlendis S.**, \*Lascourreges J.F., Dessort, D., Duclerc, D., Saint-Laurent, S., , Boesinger, C., Patriarche, D., Schraauwers, B., Mas, J., Magot M., Ranchou-Peyruse A. (2016) Investigation of isotopic and biomolecular approaches as new bio-indicators for long term natural attenuation of monoaromatic compounds in deep terrestrial aquifers by gram-positive sporulated sulfate-reducing bacteria. *Frontiers in microbiology*, 7 \* **First Co-authors**.

## MISCELLANEOUS

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*Personal informations:* born in Marseille (France), french citizenship, full driver licence

*Hobbies:* Flute in orchestra (Paris university symphony orchestra during summer 2012, Marseille harmony orchestra 2013), women football player during the year 2014, travelling and photography

*Other websites:*

Photography: <https://www.flickr.com/photos/berlendis-sabrina/albums/>

Published works: <https://orcid.org/0000-0001-5530-8895>