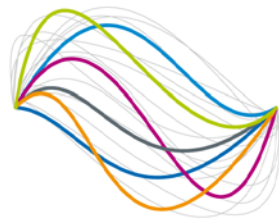




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Job title	Geochemistry and Paleoceanography
Job type	Post-Doc Position
Contract duration	18 months
Estimated net salary per month (€)	~2200
Qualifications	PhD degree in geochemistry
Experience	0 to 2 years
Job hours (full time/ part time)	Full time
Employer	UBFC
Host Laboratory	Biogéosciences
URL Host Laboratory	http://biogeosciences.u-bourgogne.fr/
Job description	<p>The Biogéosciences Laboratory at the Université de Bourgogne Franche-Comté (Dijon, France) seeks applicants for a 18 months postdoctoral research fellowship, beginning around 1st november 2017, to work on the links between ocean circulation, continental alteration, and biodiversity fluctuations in the western USA basin during the Early Triassic. The western USA basin is a key area as it shows a relatively complete geological record for this time interval, which corresponds to the recovery of the most severe known biotic crisis: the end-Permian mass extinction.</p> <p>Some of these relationships will be approached by geochemical analyses on neodymium and hafnium isotopes, as well as trace and rare earth element analyses performed both on biogenic materials (fish bones and teeth) and on clays. More specifically, records of the neodymium isotope composition of local seawater in different sections, approached through Nd isotope analyses of fish remains, will be established and used to track the evolution of oceanic connections among several areas of the western USA basin and between the western USA basin and the Panthalassic Ocean. Additional analyses of combined neodymium and hafnium isotope composition in clays isolated from sediments of the same sections will be performed to approach the evolution of continental weathering, potentially linked to nutrient delivery to the nearby oceanic basins. These different records will be confronted to the observed regional spatio-temporal evolution of marine communities in order to discuss the potential mechanisms that drove the biotic recovery in this basin during the Early Triassic.</p> <p>The ideal candidate will have a PhD in Earth Sciences, Geochemistry, or Paleoceanography and will be experienced in geochemistry, clean room work, and MC-ICP-MS analyses. An experience in neodymium and hafnium isotopic analyses would be greatly appreciated. No specific experience on the Triassic is required and the position is open to candidates who have worked on modern environments or on different geological periods.</p>



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	<p>URL Host Laboratory : Supervised by Emmanuelle Pucéat & Arnaud Brayard</p>
Application	<p>Please send the following documents by e-mail to sophie.aupet@ubfc.fr:</p> <ol style="list-style-type: none">1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed. <p>For non-EU candidates: Copy of your passport page where your photo is printed.</p> <ol style="list-style-type: none">2) Curriculum Vitae (1 page) including hyperlinks to your ResearchID, Research Gate Google Scholar accounts.3) Detailed list of publications including hyperlinks to DOI of each publication.4) Letter of motivation relatively to the position (Cover Letter) in which applicants describe themselves and their contributions to previous research projects (maximum 2 pages)5) Copy of your PhD degree if already available.6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organisation, e-mail.