

Séminaire - Pr. Anthony Chappaz

Mercredi 29 mai 2019, 13h15 - Amphi IPREM

Le 28 mai 2019



Pr. Anthony Chappaz

(Université de Central Michigan State)

Titre: "Refining the use of paleo redox-proxies, the time for molecular geochemistry has come: Molybdenum case studies."



Dr. Anthony Chappaz has become a strong advocate and an emerging leader in new cutting-edge research field: Molecular geochemistry of paleo proxies. Most of the geochemical community keeps relying on elemental concentration and, when available, isotopic composition to investigate trace element biogeochemical cycles, but often neglect molecular aspects.

Unfortunately, this omission can lead to misinterpretation of ancient environmental archives, misunderstanding of biogeochemical processes or plain speculation. Using trace element molecular geochemistry can contribute to prevent such pitfalls by combining measures of concentration, isotope signature, mapping and speciation at micro or nanometer scales using state-of-the-art techniques.

Dr. Anthony CHAPPAZ

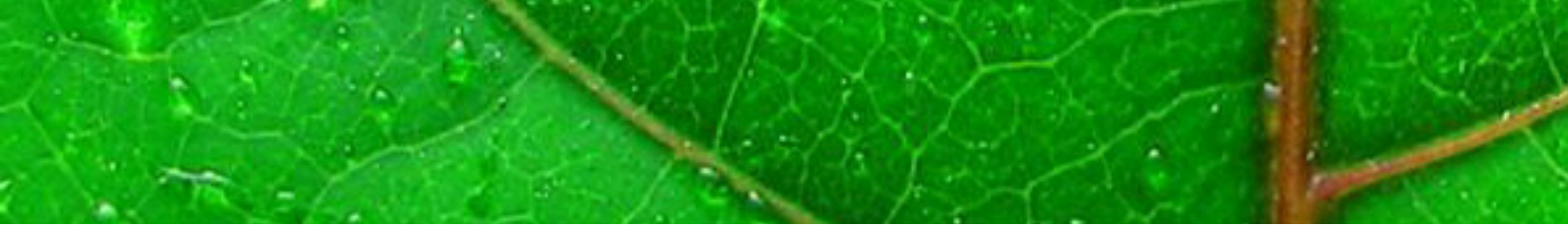
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Currently on sabbatical at the [IPREM \(Pau, France\)](#) until June 2019

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