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|  | Lundi 1 Décembre | Mardi 2 Décembre | Mercredi 3 Décembre | Jeudi 4 Décembre | Vendredi 5 Décembre |
| 9h00-10h15 | Introduction : Thibaud Coradin & Karim Benzerara | Reconstructing palaeoenvironments ; Anders Meibom | Biominerals as traces of life ; Juanma Garcia Ruiz | Ossification Christèle Combes | Séminaire 17 (9h-9h25) BROCHE  « Sulfur impact on marine bio-calcification and acidification. A simulated in vitro approach linking present with ancient oceans” |
| Séminaire 18 (9h25-9h50) BARTOLINI  « Towards a better understanding of biomineralization in perforate calcitic foraminifera” |
| Séminaire 19 (9h50-10h15) LENZ  « biomineralization of selenium - from bioremediation to resource recovery” |
| ***10h15-10h40*** | ***Break*** | ***Break*** | ***Break*** | ***Break*** | ***Break*** |
| 10h40-11h55 | Mechanisms of nucleation, Denis Gebauer | Biomineralization and evolutionary history ; Kevin Peterson | Magnetotactism in bacteria ; Nicolas Menguy | Protein regulation of normal and pathologic mineralization; Marc McKee | Global geochemical cycles ; François Guyot |
| 11h55-12h20 | Séminaire 1 GUENOUN  “CaCO3 nanostructured crystals induced  by nacreous organic extracts” | Séminaire 5 JANVIER  « Hard tissues diversity in Early Palaeozoic armoured jawless vertebrates.” | Séminaire 10 BYRNE  « Electron transfer between Fe metabolizing bacteria and magnetite” | Séminaire 11 AZAIS  « Characterization and structuring role of bone mineral’s surface layer” | clôture de l’école |
| ***12h20-13h45*** | ***Lunch*** | ***Lunch*** | ***Lunch*** | ***Lunch*** | ***Lunch*** |
| 13h45-14h10 | Poster session 1 | Poster session 2 |  | Séminaire 12 BALAN  « Anionic substitutions in biominerals : new insights from theoretical and experimental investigations.” |  |
| 14h10-14h35 | Séminaire 13 BONHOMME  « Solid State NMR techniques including Dynamic Nuclear Polarization: new trends for the detailed characterization of natural minerals” |  |
| 14h35-15h00 | Séminaire 6 CHEVRINAIS  « Deciphering the chemical composition and preservation of soft and hard tissues in a 380-million-year-old acanthodian by EDS X-ray” | Séminaire 14  LE PABIC  « Shell construction during embryonic life of Sepia officinalis” |  |
| 15h00-16h15 | Peculiar properties of biominerals, Matthias Eppel | Mécanismes biochimiques et génétiques ; Fréderic Marin | ***Temps libre : activité ?*** | Biominerals in Archaeology ; Ina Reiche |  |
| ***16h15-16h40*** | ***Break*** | ***Break*** | ***Break*** |  |
| 16h40-17h05 | Séminaire 2 NINDIYASARI  « Crystallization of Carbonate Minerals in Organic Matrices; Examples from Biomimetic and Biological Polymer-Mineral Composites” | Séminaire 7 Saghai  « Metagenomic study of carbonate microbialites from a Mexican hyperalkaline lake” | Séminaire 15  LAZARETH  « Trace elements high-resolution distribution in abalone shell along isochronous growth layers” |  |
| 17h05-17h30 | Séminaire 3 GAUTRON  « Chicken eggshell biomineralization. Structure, composition and role of the organic matrix” | Séminaire 8  TRIBOLLET  « Roles of euendolithic (bioeroding) microflora in carbonates” |  | Séminaire 16  RUIZ-LOPEZ  « Calcium oxalate radiocarbon dating and chronology of Levantine rock art of Spain” |  |
| 17h30- 17h55 | Séminaire 4 ROUCHON  Precipitation of silicate during the washing treatment of lignitized wood : biological activity or chemical reaction? | Séminaire 9  KISH « S layers: Hard Rock » |  |  |  |
| 19h00 |  | | ***School dinner*** |  | |