

Autumn School

Foraminifera and geochemistry: understanding transitional ecosystems

13 - 17
NOVEMBER
2023



INTEGRATED EXPERIMENTAL APPROACHES

Planary lectures

- Mudflat functioning
- Foraminiferal biology & ecology
- Paleoecology
- Molecular biology and DNA barcoding
- Principles of foraminiferal biomonitoring
- Early diagenesis - Geochemistry
- Cable bacteria

Workshops

- High resolution core sampling
- Submillimeter chemical profiling
- Metabolism: respiration rate
- Experimental feeding approaches

Participant profile:
Master and PhD Students,
postdocs, environmental
consultancies and agencies

Inscription & information



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NEW EDITION!

University of Angers,
Laboratory of Planetology and Geosciences (LPG),
ANGERS, FRANCE



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Autumn school Program

MONDAY 13 SOCIAL EVENT

- Presentation of the Autumn School
- Conferences :
 - Generalization: What is a foraminifera ?
- Reproduction and life cycle
 - Paleoenvironment, paleoecology and paleoclimatology
 - DNA barcoding and principles of foraminiferal biomonitoring
 - Geochemistry: Early diagenesis
 - Mudflat functioning
 - Foraminiferal distribution in transitional environments
- Presentation of the field trip "Baie de Bourgneuf"

TUESDAY 14

- Field trip "Baie de Bourgneuf"

WEDNESDAY 15 SOCIAL EVENT

- Conferences :
 - Taxonomy: Morphology and molecular biology
 - Temporal and spatial variabilities in intertidal environments: Geochemistry and foraminifera
 - Cable bacteria
- Workshops

THURSDAY 16

- Workshops

FRIDAY 17 SOCIAL EVENT

- Synthesis of practical courses



Lecturers and instructors

Laboratory of Planetology and Geosciences (LPG) / University of Angers

Aurelia Mouret	Julia Courtial
Christine Barras	Magali Schweizer
Edouard Metzger	Maria Pia Nardelli
Emmanuelle Geslin	Maxime Daviray-Seguin
Frans Jorissen ?	Meryem Mojtahid
Inge van Dijk	

Inscriptions & information



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Frédérique Eynaud (*Laboratory Environments and Palaeoenvironments Oceanic and Continental / University of Bordeaux*)
Nils Risgaard Petersen (*Department of biology - Aquatic biology & Center for Electromicrobiology / Arrhus University*)
Vincent Bouchet (*Laboratory of Oceanology and Geosciences / University of Lille*)
Vona Méléder (*Laboratory Sea Molecules Health / University of Nantes*)

Workshops:

- 1 Sample preparation and fluorescent probing
- 2 Sediment geochemistry – Oxygen profiling
- 3 Living foraminifera – Respiration rates
- 4 Taxonomy - Invasive and cryptic species