

# WORKSHOP LIA MARRIO

## Patterns of sponge biodiversity and chemodiversity from la Martinique to Rio de Janeiro

Patrons de biodiversité et chimiodiversité des éponges  
de la Martinique à Rio de Janeiro

### MAIN SCIENTIFIC OBJECTIVES

Thème 1 : Taxonomie intégrative pour une meilleure compréhension des mécanismes à l'origine de la biodiversité des éponges / Integrative taxonomy for a better understanding of the mechanisms at the origin of the sponge biodiversity

1.1. Biogéographie des éponges en milieu fragmenté / Sponge biogeography in fragmented habitats

1.2. Evolution de la biodiversité des éponges Homoscleromorphes des grottes sous-marines / Evolution of the Homoscleromorpha biodiversity in submarine caves

1.3 Quel cosmopolitisme chez les éponges ? Comment la taxonomie intégrative peut permettre de résoudre des complexes d'espèces / Cosmopolitanism in sponges ? How the integrative taxonomy can help in resolving species complexes

Thème 2: Populations, phénologie et variabilité métabolomique / Populations, phenology and metabolomic variability

2.1. Cycle de vie et cosmopolitisme / Life cycle and cosmopolitanism – Calcareia

2.2. Cycle de vie et métabolomique / Life cycle and metabolomic (targeted and untargeted) – Homoscleromorpha and Demospongiae

Thème 3: Métabolomique, Valorisation & Développement / Metabolomics and development

Métabolites secondaires, bioactivités et base de données / Secondary metabolites, bioactivities and database.

### SCHEDULE

**Sunday 08.12.2013**

- Departure of the Porifera training course participants
- **Day off** for teachers
- Moving in the Sucrierie Motel of all participants to the workshop

## Monday 09.12.2013

- **Introductory Conferences / *Maison des Associations Arlésiennes***

	<b>Speaker</b>	<b>Title</b>
9.00 - 9.20	Thierry Pérez	Introduction. What is an Associated International Laboratory, what is the purpose of MARRIO?
9.20 – 9.40	Eduardo Hadju	The Laboratory of Porifera Taxonomy at Museu Nacional/UFRJ - ongoing projects and strategies to meet MARRIO's goals
9.40 – 10.00	Fernanda Azevedo	Biodiversity and biogeography: South American Calcareia
10.00 – 10.30	Pierre Chevaldonné & Christophe Lejeune	Connectivity and fragmented habitats: relevance of marine cave fauna as models for evolutionary studies
		Break
10:50 – 11:10	Báslavi Córdor-Luján	Caribbean-Brazil connectivity: Calcareia ( <i>Leucaltis clathria</i> , <i>Clathrina</i> sp. nov.)
11:10 – 11:30	César Ruiz	Homoscleromorpha in marine caves, current status and future investigations
11:30 – 11:50	Guilherme Muricy	Biodiversity and Biogeography of Homoscleromorpha in the Tropical Western Atlantic: current status and strategies to enhance our knowledge.
11:50 – 12:10	Nicole Boury-Esnault	Cosmopolitanism in Sponges: a myth or a reality?
		LUNCH at "COCO-DELICES"
15:00 – 15:30	Roberto Berlinck	Chemistry of Brazilian Marine Sponges
15:30 – 16:00	Olivier P. Thomas	Sponge chemists in the metabolomic era
16:00 – 16:20	Michelle Klautau	Life cycle and cosmopolitanism: Calcareia ( <i>Leucaltis clathria</i> )
16:20 – 16:40	Alexander Ereskovsky	Sponge reproduction, cycles and trade-off with secondary metabolism (Homoscleromorpha and Demospongiae)
16:40 – 17:00	Gisele Lobo-Hadju	Biodiversity of <i>Mycale</i> in the Tropical Western Atlantic: genetics, morphology and metabolic patterns".

- **19.30 Dinner at xxx**

## Tuesday 10.12.2013

- **Field, diving on the reef or in caves**
- **Snorkelling, from the beach or in the Mangrove / *Abyss Plongée***
- **12.30 Lunch at Coco Delices**
- **19.30 Dinner at xxx**

## Wednesday 11.12.2013

- Conferences and discussions / *Maison des Associations Arlésiennes*

	<b>Speaker</b>	<b>Title</b>
9.00 – 9.30	Jean Vacelet	Sponge biodiversity of French West Indies and Guyana : state of the knowledge and perspectives
9:30 – 10:00	Sven Zea	Biodiversity tools in the digital age: advancing 'The Sponge Guide, a picture guide to Caribbean sponges' to a comprehensive taxonomic guide
10:00 – 10:30	Robert W. Thacker	PorToL and AVAToL: New tools for investigating biodiversity and systematics
		Break
11:00 – 12:00	Discussions	<ul style="list-style-type: none"><li>- Sampling campaign to be organized</li><li>- Organization of collaborative works</li><li>- Mobility of students and researchers</li><li>- Funding / response to call for applications</li><li>- Next meeting?</li></ul>
		LUNCH at "COCO-DELICES"
15:00 – 17:30	Discussions	<ul style="list-style-type: none"><li>- Sampling campaign to be organized</li><li>- Organization of collaborative works</li><li>- Mobility of students and researchers</li><li>- Funding / response to call for applications</li><li>- Next meeting?</li></ul>

- **18:30 Public Conference at Anses d'Arlets (TP)**
- **20:00 Dinner at xxx**

## Thursday 12.12.2013

- Departure of the workshop participants