

# Nos chercheurs et E2S



- \* **MARine sorbed Debris AnalySis, MAyDAY** - S. Reynaud ( [plus](#) )
- \* **NOOSTRIM** - A. Allal

*Elaboration of innovative plastic packaging for institutional catering and food industry, in order to limit their impact on both human health and the environment.*

## Post Doctorant

- \* **"Improving nanocomposites processability for their use as matrices in thermoplastic composites"** - Jordana K.Palacios - Encadrant : Sylvie Dagr  ou ( [plus](#) )

## Doctorants

- \* **"Speciation Analysis in Biofuels"** - Victor Garcia Montoto - Encadrant : Brice Bouyssiere
- \* **"Diversit   microbienne fonctionnelle et biod  gradation des hydrocarbures dans un continuum sol - milieu aquatique"** - Elise Chatillon - Encadrant : Cristiana Cravo-Laureau ( [plus](#) )
- \* **"Development of innovative materials made from absorbent polymers in near infrared environment for organic photovoltaic."** - IDRISS Hisham - Encadrant: Christine Lartigau-Dagron

## Internationalisation of training courses

- \* **"Organometallics and Main Group Element Chemistry"** - CHROTOWSKA Anna  
Master « Material Science and Engineering », field "Chemistry and physico-chemistry of materials"
- \* **"Biological Soft Matter"** - NARDIN Corinne  
Master « Material Science and Engineering »
- \* **"Bioanalytical chemistry"** - RONGA Luisa

Master « Chemistry and Life sciences », field “Analytical Sciences applied to Life and Environment”

## Junior Chair

- \* **"Molecular simulation"** - Hugo Santos Silva

*(partnership chair)*

## Key Scientific Challenges

- \* **Go inside a bacterial cell methylating mercury (GO beam)** - Marie-Pierre Isaure

## Doctorants

- \* **"Materials for negative electrodes and electrode-electrolyte interface in potassium-ion batteries"** - Caracciolo Laure, Encadrant: H.Martinez
- \* **"Synthesis of sustainable polymer colloids"** - Sabalot Julia, Encadrant: M.Save
- \* **"Environmental integrons: natural genetic vehicles to disperse adaptive genes"** - Sandoval Quintana Eva, Encadrants: C.Cagnon/B. Lauga
- \* **"Fishes' mechanisms of toxins transfer and accumulation after the bloom of cyanobacteria in a lake ecosystem"** - Noura Hammoud, Encadrants: R.Lobinsky (UPPA), M.Slim (Lebanon),

IPREM / Laboratoire des analyses inorganiques

- \* **"New challenges for non-specific sifting and the overall future of "emerging" contaminants and their metabolites in the Lebanese marine ecosystem"** - Mariam Zayter, Encadrants: H. Preud'homme (UPPA), Mrs Mahfouz (Lebanon)

IPREM / Laboratoire d'analyses chimiques

## International Doctoral Mobility

- \* **Study of the reactivity and the fate of micropollutants in the Canyon of Capbreton** - Azaroff Alyssa, Encadrant: M. Monperrus
- \* **Design of advanced structured functional polymer surfaces from photo-active polymer nanoparticles** - Boussiron Charlene, Encadrants: M.Save, S.Lacombe
- \* **Development of physicochemical and mass spectrometric characterization methods for innovative fully recyclable food packaging materials.** - Issart Ambre, Encadrants: J.Szpunar, A.Allal
- \* **Paramagnetic Nano-graphenes** - Hande Aniket, Encadrants: A.Chrostowska, C.Darrignan

- \* **Exploring the interactions between fungi and bacteria in polycyclic aromatic hydrocarbons degradation** - Álvarez Barragán Joyce, Encadrants: R. Duran, C. Cravo-Laureau

*Helmholtz Center for environmental research, Leipzig (DE)*

- \* **Adhesion on skin of microgel suspensions and films for medical and cosmetic applications** - Dieuzy Eva, Encadrants: L. Billon, C. Déral

*Stanford University (US)*

- \* **Speciation Analysis in Biofuels.** - Garcia Montoto Victor, Encadrant: B. Bouyssière

*Copenhagen University (DK)*

- \* **Future of organic photovoltaic, FOREVER** - C. Lartigau-Dagron (**plus**)

## Fellowship for “Innovation in teaching”

- \* **BIM - "Implementation of a Master in « Bio-inspired material sciences" - C. Nardin, L. Billon**

*Fundamentals in Biochemistry and Cellular Biology, Condensed Matter Physics, Soft Matter Physics, Polymer Chemistry*

- \* **Micro2En - "Disciplinary and linguistic joint teaching in Environmental Microbiology" - F. Bedecarrats, C. Cagnon**

*English, linguistic skills applied to sciences*

## Internationalisation of training courses

Goñi-Urriza Maria Soledad, Miqueu Christelle, Radji Sadia, Rubatat Laurent

## Project maturation

- \* **MECAPEAU - Evolution of skin mechanical properties and tissue adaptation to environmental disturbances** - Christophe Derail

## Thematic hubs

- \* **MeSMic - Metals in Environmental Systems Microbiology: An integrated approach to unravel metal ion interactions with microbial ecosystems at the**

**molecular, cellular and community levels**D. Amouroux, R. Duran, M. Goñi, R. Grimaud, B. Lauga, R. Lobinski