

## ACCOMMODATION

Bookings should be made directly to the hotel. Course organizing committee will not arrange the accommodation for the participants. Special rates have been arranged with some hotels. Refer to CSIC at reservation and pay directly to any of the following hotels:

### RESIDÈNCIA D'INVESTIGADORS – CSIC

C/ Hospital 64, Barcelona

Web [www.residencia-investigadors.es](http://www.residencia-investigadors.es)

Phone (+34) 93 443 86 10

E-mail [investigadors@resa.es](mailto:investigadors@resa.es)

### TORRE GIRONA RESIDENCE-RESA

Passeig dels Til·lers 19, Barcelona

Phone (+34) 93 390 43 00

E-mail [torregirona@resa.es](mailto:torregirona@resa.es)

### GENERATOR HOSTEL BARCELONA (no special rates)

C/ Corsega 373, Barcelona

Phone (+34) 93 220 03 77

E-mail [barcelona@generatorhostels.com](mailto:barcelona@generatorhostels.com)

More hotels without arrangement from the organization can be found at:

[www.barcelonaturisme.com/English](http://www.barcelonaturisme.com/English)

## REGISTRATION FEES

PhD students and Postdoc researchers without permanent position (justification is required) from GLOBAQUA project and related EU projects (see list below)\*: 125€

Regular registration: 250€

Fee will cover: attendance to the Course, coffee breaks and lunches, and a dinner, which will take place on Thursday 26th November at Restaurant La Lluna

\*MARS, SOLUTIONS, 4-FUN, IMPRESSIONS, SEA-ON-A-CHIP, BRAAVOO and SCARCE (Spanish Consolider-Ingenio 2010 Project)

## REGISTRATION

REGISTER BEFORE: 9th November 2015

If you want to attend the course, please register yourself filling in the form you can find at:

<http://www.globaqua-project.eu/en/events/showcategory/&-cat=training>

Payment in Euros (€), should be made in advance by bank transfer to:

IBAN: ES62 0049 6793 6322 1600 9040

SWIFT: BSCHEMMXXX

Bank: Banc Santander

Account holder: ADECIT—Associació per al Desenvolupament de la Ciència i la Tecnologia

VAT number (ADECIT account): ESG60931524

With the note: GLOBAQUA-Course and the name(s) of the participant(s).

## SHORT COURSE COORDINATOR

Marinella Farré

IDAEA-CSIC

Email: [marinella.farre@idaea.csic.es](mailto:marinella.farre@idaea.csic.es)

Phone: +34 934006100 ext. 5316



# GLOBAQUA

**SHORT COURSE ON RAPID SCREENING OF  
AQUATIC ORGANIC POLLUTION AND TOXICITY  
USING BIOASSAYS AND BIOSENSORS**

**BARCELONA, 25-26 NOVEMBER 2015**

**SUPPORTING  
ORGANIZATION:**



**ORGANISER**



The research leading to GLOBAQUA has received funding from the European Union's Seventh Programme under grant agreement N° 603629

## DESCRIPTION AND MAIN TOPICS

The course is organized by the IDAEA-CSIC within the framework of GLOBAQUA ([www.globaqua-project.eu](http://www.globaqua-project.eu)), a EU FP7 project. The focus of the course is the development and application of biological techniques of analysis for the rapid detection of organic contaminants or their effects. In this course, special attention will be devoted to immuno-analytical techniques, miniaturized and remote unmanned operating systems, as well as ecotoxicological approaches for effects evaluation of toxic mixtures. Practical sessions will be organized to show relevant aspects of mentioned approaches.

## TARGET GROUPS

- PhD and master students in chemistry and environmental sciences;
- Postdoc researchers in chemistry and environmental sciences.

## SHORT COURSE INSTRUCTORS

- Marinella Farré, IDAEA-CSIC, Barcelona, Spain;
- Carlos Barata, IDAEA-CSIC, Barcelona, Spain;
- Pilar Marco, IQAC-CSIC, Barcelona, Spain;
- Juan Pablo Salvador, IQAC-CSIC, Barcelona, Spain;
- Laura Lechuga, ICN2-CSIC, Bellaterra, Spain;
- Arben Merkoçi, ICREA professor at ICN, Bellaterra, Spain.

## SCHEDULE

### THURSDAY, 26<sup>TH</sup> NOVEMBER 2015

09.15 – 09.30: Welcome

09.30 – 11.00: Toxicity assays for environmental risk assessment of contaminants. Past and future perspective (Carlos Barata)

11.00 – 11.30: Coffee break

11.30 – 13.00: Metabolomics as new trends in ecotoxicology (Marinella Farré)

13.00 – 14.00: Lunch

14.00 – 15.30: Immunochemical determination of environment pollutants in sea water (Juan Pablo Salvador)

15.30 – 16.00: Coffee break

16.00 – 17.00: Immunoassay Practical session:  
Magnetic microparticle immunoassay for glyphosate determination (Marinella Farré)

21.00: Joint dinner

### FRIDAY, 27<sup>TH</sup> NOVEMBER 2015

09.30 – 11.00: Nanomaterials-based biosensors and applications (Arben Merkoçi)

11.00 – 11.30: Coffee break

11.30 – 13.00: Lab-on-chip biosensor platforms for decentralised and real-time environmental control (Laura Lechuga)

13.00 – 14.00: Lunch

14.00 – 15.30: Biosensors Practical Session

## VENUE

Seminari A  
IDAEA-CSIC  
C/ Jordi Girona 18-26,  
08034 Barcelona

## HOW TO GET TO THE COURSE VENUE

### By airplane:

Barcelona Airport, El Prat, is located just 16 km outside the city. Detailed information can be found at: [www.aena-aeropuertos.es](http://www.aena-aeropuertos.es)  
Barcelona airport is connected with the City center (Plaça Catalunya station) by bus (Aerobus: [www.aerobusbcn.com](http://www.aerobusbcn.com)) and train ([www.renfe.com](http://www.renfe.com)).

### By train:

Barcelona has direct connections with different parts of Europe and throughout Spain, as well as a comprehensive regional and suburban rail network. Barcelona Sants Station (Sants Estació) is the city's main railway station and most trains departing from and arriving to Barcelona stop there. The station is also connected with many Spanish and foreign destinations, suburban rail and the High-Speed Train (AVE).

### By Metro:

The closest metro stop is Palau Reial (green line). Detailed information can be found at: [www.tmb.cat](http://www.tmb.cat)

Barcelona Tourist Information:  
[www.barcelonaturisme.com/English](http://www.barcelonaturisme.com/English)