



## Training School:

### “Bioactives in *Ulva*”

24<sup>th</sup> to 28<sup>th</sup> June 2024 | University of Aveiro, Portugal

We are pleased to announce the upcoming Training School “Bioactives in *Ulva*” which will take place from 24 to 28 June 2024 at the University of Aveiro, Portugal. This event is a co-organization of the University of Aveiro (Portugal), ALGAplus (Portugal), University of Jena (Germany), and University of Haifa (Israel), developed within the COST Action CA 20106 entitled “*Ulva*: Tomorrow’s “Wheat of the Sea”, a Model for an Innovative Mariculture (SEAWHEAT)”.

The first part of this event includes participation in a **two-day Workshop (24 to 25 June)**. The workshop includes the following sessions:

Session 1 – Extraction approaches

Session 2 – Omics analysis

Session 3 – Bioactive Compounds in *Ulva* (macroalgae) and their applications

Session 4 – Targeted analysis of bioactive phytochemicals

The **three-day training school event (26 to 28 June)** will include **seminars and hands-on sessions** dedicated to advanced concepts in different omics approaches (metabolomics, lipidomics, and glycomics), from analytical workflow to data analysis for *Ulva* chemophenotyping and for bioprospection and deep identification of bioactive molecules, for exploitation in biotechnology and fundamental research.

The Training School will also include visiting ALGAplus, a Portuguese company that farms organic certified seaweed in a land-based facility.

#### Trainers

- Dr Cláudia Nunes, University of Aveiro, Portugal
- Dr Rosário Domingues, University of Aveiro, Portugal
- Dr Thomas Wichard, University of Jena, Germany
- Dr Hermann Holbl, University of Jena, Germany

**Fifteen (15) participants** will be selected by an internal committee and will be funded with a grant per participant (up to 500 € air-ticket; 130 € daily allowance).



## Important dates

**Application opening date: 22 January 2024**

**Deadline for application: 28 February 2024**

**Notification of acceptance: 15 March 2024**

**Confirmation of participation: 29 March 2024**

## Who can apply?

Young researchers and innovators (YRI) (< 40 years), SMEs, and PhD-students of network members currently/ previously working in algae research from a COST Full Member Country, a COST Cooperating Member Country, or from a COST Near Neighbour Country.

## Application procedure

The number of participants of the training school “Bioactives in *Ulva*” is **limited to 15 participants**, selected based on the strength of their applications.

To participate in the training school, you must first complete the application form [HERE](#). This form requires you to provide:

**i) Short CV (max. 250 words)**

**ii) Motivation letter (500-700 words)**

**iii) Abstract of the 5 min talks during the workshop (max. 1 page)**

## Organizing committee

Rosário Domingues (University of Aveiro, PT)

Ana Moreira (University of Aveiro, PT)

Cláudia Nunes (University of Aveiro, PT)

Thomas Wichard (University of Jena, GER)

Spiegel Muki (University of Haifa, IL)

## Training School contacts:

Local organizers: Rosário Domingues (Email: [mrd@ua.pt](mailto:mrd@ua.pt)); Ana Moreira (Email: [ana.moreira@ua.pt](mailto:ana.moreira@ua.pt))



## Information package

### 1. How to get to the city of Aveiro

Located right in the center of Portugal, Aveiro is an easy city to get to, both by air and by road. Famous for its unique lagoon and canals, Aveiro is served by high-speed trains and is situated at the intersection of several highways, making it easy for you to reach the main airports of the country.

#### Arrival by plane

##### At Dr. Francisco Sá Carneiro Airport (Porto)

It is the nearest airport to Aveiro and is just 80 km north of the city, in the region of Porto. The train is the best way to get to Aveiro as it takes you right into the center of the city. It is cheap, too. You can either take the Metro directly from the airport or a taxi to the central train station in Porto (Porto – Campanhã):

taxi costs about 25 € and takes about 25 minutes

the Metro (título Z4) costs about 2.60 € and takes 40 minutes to reach Porto – Campanhã station (Line E: Aeroporto – Estádio do Dragão)

When you get to Porto – Campanhã station, you can take a train to Aveiro. In addition to the more expensive high-speed intercity and Alfa trains that take about 35 minutes to reach Aveiro, there are also local suburban trains. There is a regular service throughout the day. The trip takes 50 minutes and costs just 3.55 €.

Alternatively, you can hire a car at the airport.

##### At Portela Airport (Lisbon)

Portela Airport is located in Lisbon, about 250 km south of Aveiro. Take the red line on the Metro, from the airport to Lisbon-Oriente central train station. The ticket costs just 1.50€. Alternatively, you can take a taxi, which costs about 10 € and takes around 15 minutes. You can also get a bus to the station (buses 5 and 44), which costs about 1.80 €. You can buy your ticket on the bus.

As the trip from Lisbon to Aveiro is longer, it is better to use the fast trains Intercidades or Alfa.

#### Arrival by road and rail

##### By car



If you are coming from the North on the A1 highway, take the A25 exit to Aveiro. There are two possible exits to Aveiro from the A25: Aveiro-Norte (North Aveiro) and then, a few kilometers later, Aveiro. Choose the latter as this is the quickest way. If you are coming from the South on the A1, take the Aveiro-Sul/Águeda exit (15) and turn right onto the EN235, which will take you directly to the UA campus.

### By train

Aveiro is situated on the main railway line through Portugal – the northern railway line (Linha do Norte). Train timetables are available on the website CP - comboios de Portugal.

There are several ways of getting to the Santiago Campus from the train station:

by bus (number 11)

on foot (a 20 minutes walk)

by taxi (there is a taxi rank by the station)

### 3. Accommodation

Suggested hotels:

Hotel Imperial (<https://www.hotelimperial.pt>)

Hotel Jardim (<https://www.hoteljardim.pt>)

Hotel Afonso V (<https://hotelfonsov.pt>)