



## ERASMUS+ TRAINEESHIP FORM

Profile of the Host Department /Service at CUT:

Cyprus International Institute for Environmental and Public Health

This Erasmus Internship will take place at the Water and Health Lab ([www.cut.ac.cy/waterandhealth](http://www.cut.ac.cy/waterandhealth)), which belongs to the Cyprus International Institute for Environmental and Public Health (CII). The Water and Health laboratory was established in 2009 and it is led by Associate Professor K.C. Makris with an active research group of a postdoctoral fellow, one research assistant, two PhD student, and 5 MS students. The CII ([www.cut.ac.cy/cii](http://www.cut.ac.cy/cii)) brings together researchers, educators, and health practitioners from the Mediterranean region to address environmental and public health issues.

The Water & Health Laboratory is part of the CII and its main goal is the study of health risk associated with chronic exposures to environmental chemicals with particular focus on the application of novel exposure assessment methodologies. The totality of exposures to harmful agents occurring in more than one environmental compartment, such as in water, air, or food and their possible health risks, ranging from simple irritation, to infections, or even cancer and endocrine disruption bring forward the significance of assessing individual exposomes within the context of population health studies. The transition focus from disease to exposure through implementation of the exposome concept is warranted to reduce exposures that lead to disease — this is the research motto of the Water and Health Lab team.

Towards this goal, the Water & Health research program applies improved exposure assessment protocols for endocrine disruptors and disinfection by-products that refine the degree of association with their corresponding health outcomes. The group for the last 24 months has been engaged into the setup and testing of metabolomics protocols. The water and health laboratory is equipped with state-of-the art instrumentation (GS-MS/MS, ICPMS) to measure low concentrations of environmental chemicals in biological fluids such as blood and urine.

The host (CII) is part of the Cyprus University of Technology (CUT), which was ranked among the 400-500 Best Universities in the world, based on the TIMES World University Rankings 2016-2017. The CUT is located downtown, at the sea-side area of Limassol, the second largest city in Cyprus. Limassol is a cosmopolitan touristic resort for thousands of visitors nearly all year round, due to its mild winters.

### Main Responsibilities

Please provide a short Description of the main responsibilities of the trainee:

Erasmus Interns at the Water and Health Lab should be:

- Willing to work in both laboratory and field settings
- Competent in laboratory analyses, OR in statistical analyses
- Willing to apply and process metabolomics protocols
- Interested in the research of endocrine disruptors on human health

Erasmus Interns, depending on their technical background will:

- i) either engage into analyses of environmental chemicals in human biofluids using advanced mass

spectrometry techniques, OR

ii) engage into biostatistical analyses of human biomonitoring data from relevant health studies

iii) participate in societal outreach activities to inform about health risks for the general population or children

### Knowledge, skills and competences to be acquired by the trainee at the end of the traineeship

Please provide a short Description:

- Advanced research training in the field of environmental health
- Work in a multi-national and energetic research environment
- Training on metabolomics techniques
- Hands-on experience on biostatistical analyses of complex human datasets
- Work in lab premises within walking distance from the cosmopolitan sea-side area of Limassol city
- Field work experience with our existing project cohorts
- Office space

### Responsible Contact Person/Mentor throughout the Traineeship Period:

Please provide the name and email address of the responsible contact person mentor/ throughout the traineeship period:

Konstantinos C. Makris [Konstantinos.makris@cut.ac.cy](mailto:Konstantinos.makris@cut.ac.cy)

### Working Hours

38 hours/week- 5 days a week

### Provisional Start date and End date ( dates are subject to approval by the Sending Institution)

**Start Date:** Click here to enter text.

**End Date:** Click here to enter text.

### Required Qualifications

**Desired Level of Studies** (Please choose-multiple choices are possible)

Undergraduate     Post-graduate     Doctoral     Recent Graduate     No preference

**Linguistic Skills** (Please refer to the desired linguistic skills, e.g. Fluency in English both oral and written and/or other languages)

## **Fluency in English (both oral and written)**

### **Academic and Other Qualifications** *(Please refer to the desired academic qualifications)*

**Applicants should possess, or currently pursue either a Master's of Science or PhD degree in the areas of Analytical Organic Chemistry, Epidemiology, Biostatistics or Environmental Chemistry or another relevant field.**

### **Application Procedure and Deadline**

If all of the above sounds exactly like you then send us your CV and a brief cover note explaining:

1. Why you would like to have an Erasmus+ traineeship period at CUT.
2. Why you feel you would be ideal for the role.

Email us at [incoming@cut.ac.cy](mailto:incoming@cut.ac.cy) with Subject Title: ERASMUS+ traineeship@CUT

Deadline: ( to be filled by the Erasmus Office)

