

Announcement of Training Event D
on wastewater microbiota and the effects of treatment processes
July 5-7, 2017, Porto, Portugal

The Universidade Católica Portuguesa (UCP) and the company Adventech organize a Training Event (TE) on "Wastewater microbiota and the effects of treatment processes" in the framework of ANSWER/H2020-MSCA-ITN-2015/675530 project, which will be held in Porto, Portugal on July 5-7, 2017. This event will be hosted by Dr. Célia Manaia at the UCP. Nine (9) Early-Stage Researchers (ESRs) will participate in this event.

The aim of the TE-D is to provide ANSWER ESRs with professional and personal development opportunities beyond what they are generally exposed to in the course of their Ph.D. training. This training event will stimulate the discussion about bacterial diversity and ecology in wastewater and related environments that can be impacted by wastewater discharges, in particular freshwater and soils. Participants are invited to critically revise the methodological approaches most adequate to assess the survival, viability and genetic stability during and after water treatment. The complementarity between culture-dependent and independent approaches and associated biases on the study of antibiotic resistance in wastewater environments will be under discussion. TE-D aims to create a live discussion forum on the identification of critical control points for antibiotic resistance spreading during wastewater treatment, as well as the most suitable methodologies to assess resistance fate.

Moreover, this TE will offer a complementary skills training on "**Fostering entrepreneurship - from business models generation to clients**". This course aims to contribute to the success of future initiatives, providing entrepreneurs with the proper support and tools to structure a business project. ESRs will be introduced to the design and specificity of 'business models' to respond to the market needs; to 'customer development' methodologies to validate and explore 'business models'; to systematic application of the Business Models Generation and the Customer Development tools.

This training will involve **lectures, tutorials and hands-on approaches**. ESRs will have the chance to learn the advantages and difficulties of creating their own business and how to identify opportunities.



Other information:

- ✓ A limited number of vacancies (6-8) is available in this training event for **Ph.D. students in the field of Chemical/Environmental Engineering, Chemistry and Microbiology** not integrated in the ANSWER project.
- ✓ Applicants should use the following link to register: <http://inqueritos.porto.ucp.pt/site/index.php/584345/lang-en> and if admitted will pay a fee of € 60 (including only registration and field trip fees). Meals are not included in the fees. **All applications should be submitted no later than 31st of May, 2017.**
- ✓ Successful applicants will be contacted directly by e-mail by **5th of June, 2017.**
- ✓ **Travel and accommodation must be arranged and covered by each participant after the receipt of the acceptance email.**
- ✓ Participants willing to complete the evaluation module of the training event will have a certificate corresponding to 2.5 ECTS.

Training Event D topics

Through TE-D the following aspects will be tackled:

- Microbial diversity in wastewater – major groups, origin and function
- Selective pressures and stressors in wastewater environments
- Antibiotic resistance fate in urban wastewater treatment plants
- Business model generation
- Customer development: tools to validate and improve a Business Project

In addition to studying, the students will have the opportunity to explore the city in their free time.

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