

## REP-EAT Training Activities

### Spring Calendar

Dates	Title	Professor	Promoter
<p><b>18-19 April</b></p> <p>4 hours theory + 4 hours Lab</p> <p><b>1 ETCS</b></p>	<p><b>LIPIDOMICS</b></p> <p>Lipids, commonly known as “fats”, occur naturally in bewildering chemical complexity. They are main components of oils, fuels and bio-membranes in living organisms and are also widely used as lubricants and detergents. Mass spectrometry has become a powerful approach for systems level scale analysis of lipids (lipidomics). The key objective of this training course is to provide an effective primer to mass spectrometry based lipidomics. The format is intensive (1 day with lectures on the morning of the first day followed by practical demonstrations in the afternoon of the second day), integrated (entire workflow from sample preparation to data interpretation), interactive (small groups, 3 tutors/10-12 participants).</p>	<p>Prof. Chryssostomos Ciatgilialoglu and Dr. Carla Ferreri, CNR</p> <p><a href="http://www.clickgene.eu/c hryssostomos-chatgilialoglu">http://www.clickgene.eu/c hryssostomos-chatgilialoglu</a></p> <p><a href="https://www.isof.cnr.it/content/ferreri-carla">https://www.isof.cnr.it/content/ferreri-carla</a> or <a href="http://www.clickgene.eu/c arla-ferreri">http://www.clickgene.eu/c arla-ferreri</a></p>	<p>Prof. Andrea BOARI</p>
<p><b>3-4 May</b></p> <p>4 hours theory + 4 hours Lab</p> <p><b>1 ETCS</b></p>	<p><b>BIOINFORMATIC TOOLS FOR BACTERIAL IDENTIFICATION AND CHARACTERIZATION</b></p> <p>The course will introduce the theoretical background of bacterial systematics and the identification procedures available in the post-genomic era. Softwares and databases, relevant for strain characterization and sequence analysis, available online will be reviewed and some examples will be shown (e.g., analysis of antibiotic-resistance, virulence/probiotic traits) and discussed to stimulate the critical evaluation of results of bioinformatic analyses. Basic knowledge of BLAST and sequence formats are recommended.</p>	<p>Prof. Giovanna FELIS, University of Verona</p> <p><a href="http://www.dbt.univr.it/documenti/Persona/curr/curr982837.pdf">http://www.dbt.univr.it/documenti/Persona/curr/curr982837.pdf</a></p>	<p>Prof. Aldo CORSETTI</p>