

# BIOINFORMATIC TOOLS FOR BACTERIAL IDENTIFICATION AND CHARACTERIZATION

Room 8, SPOL building



Calendar	Content	Schedule	Professor
Thursday 03/05/2018	<ul style="list-style-type: none"> <li>The need for names in an applied context (food labelling, risk groups of microorganisms)</li> <li>Names are the result of taxonomic studies: species concept and species delineation; bacterial names and the Revised International Code of Nomenclature of Prokaryotes.</li> <li>Current procedures for species identification.</li> <li>Biodiversity within a species: strains, biovar, subspecies.</li> <li>Phylogenetic trees as tools for inferring relationships among genes and organisms.</li> </ul> <p>Lesson will be highly interactive, to help student understand usefulness of taxonomy for regulatory aspects and for research.</p>	14.00 – 18.00	Prof. Giovanna Felis, University of Verona
Friday 04/05/2018	<ul style="list-style-type: none"> <li>Overview of bioinformatics tools for strain characterization when genome data are available.</li> <li>Use of online databases for in silico characterization of strains based on genome sequences, probiotics strains will be taken as examples, and several analyses, e.g., identification, in silico safety assessment, etc. will be performed and results will be discussed.</li> </ul>	09.00 – 13.00	Prof. Giovanna Felis, University of Verona

