



University of
Zurich ^{UZH}

ETH zürich

VISION 2020 - A PERSONAL PERSPECTIVE INDUSTRIAL BIOTECHNOLOGY

Thursday, March 22, 2018, 17:00h
Lecture Hall Y16 G05
University of Zurich, Irchel Campus
Prof. Enrica Pessione
University of Turin, Italy



Lactic Acid Bacteria as Cell Factories

Lactic acid bacteria (LAB) have long been used as food starters and, more recently, as probiotics, biocontrol agents and cell factories for the production of industrial relevant compounds such as surfactants, ethanol, IL-10 and anti-tumor vaccines. In spite of their GRAS status and their long and safe use, LAB potential is still underexplored and underexploited. The discovery of new features to be used in different fields (e.g. green chemistry and cosmetics) is a challenging idea. In the presentation, examples of research concerning environmental, health and food applications of LAB biochemical potential will be referred.

The presentation is followed by an aperitif and - for a limited number of students - by a dinner with the speaker. For the dinner, contact elisabetta.biglieri@uzh.ch not later than March 20, 2018 by explaining why you would like to meet the speaker.

Organization

The event series Vision 2020 is organized by a committee of PhD students of the PhD Program in Integrative Molecular Medicine (imMed):

Institute of Physiology UZH: Tobias Hasler (chair) |

Amalia Ruiz Serrano (chair) | Emilia Boiadjieva | Ilaria Orlando

Institute of Veterinary Physiology UZH: Fabienne Villars

Institute of Physiology UZH: Darya Protsyuk | Elisabetta Biglieri from the PhD Program Cancer Biology

Institute of Molecular Life Sciences UZH: Dezirae Beck

Institute of Pharmaceutical Sciences ETH: Evelin Krajnc, from the PhD Program Molecular and Translational Biomedicine

URPP Global Change and Biodiversity: Maria Parreño

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