



CMET

Center for Microbial Ecology and Technology

μ-symposium

Microbial resource management: from research to practice

Microbial communities are functional biological entities that play a role in many applications. To manage these communities, a good understanding of their structure and function is required. There are different approaches to do so but how different is researcher from practice and how can research lead to new practices?

Date :

Friday 26th January 2018 from 13:30 – 16:00

Place:

Academieraadzaal (A0.030), Faculty of Bioscience engineering, Ghent University,
Coupure Links 653, 9000 Gent

Confirmed speakers:

Prof. Dr. David Berry

Division of microbial ecology (DOME), University of Vienna, Vienna, AT

David graduated in 2005 with his baccalaureate in Bio-environmental Engineering from Rutgers University (USA). He received both his Master of Sciences and Ph.D. (in 2009) in Environmental Engineering from the University of Michigan. His doctoral work was in the area of drinking water treatment, with a focus on how bacteria respond to drinking water disinfectants. In 2012, after a post-doc at the University of Vienna, he founded a research group in the Department of Microbiology and Ecosystem Science at the University of Vienna, where he is currently Associate Professor. His main research interests are intestinal microbiology, novel single cell and stable isotope-based techniques, and computational methods in microbial ecology. In particular, he is interested in using isotope-based approaches to reveal microbial ecophysiology in the environment at the single cell level using molecular methods combined with imaging approaches such as nano-scale secondary ion mass spectrometry (NanoSIMS) and Raman microspectroscopy.

Dr. Aleksandra Knezev

Het Waterlaboratorium N.V., Haarlem, NL

Aleksandra received her degree in Bio-organic Chemistry, at the University of Novi Sad (Serbia) in 1990. Her carrier in the field of drinking water research started in 1996 at the Amsterdam Water Supply, Department of Water Quality. Between 2000-2005 she worked at KWR Water Cycle Research (former KIWA Water Research) and Wageningen University on her PhD. Since 2006, she has been working as Senior Consultant for Biology at Het Waterlaboratorium in Haarlem, the company providing water quality control services to the water supply companies in the west part of the Netherlands. She coordinates the research program of the Biology Department with the main goal to maintain a high level of quality and efficiency for the routine water quality services as well as introduce novel methods and techniques into the drinking water practice. She is a member of the Thematic Group on Biological Activity of the Joint Research Program (BTO) of the Water Supply Companies in the Netherlands and is regularly involved in various research projects. These projects involve collaboration with the Faculty of Civil Engineering and Geosciences of the TU Delft, the Netherlands and UNESCO-IHE Institute for water Education, Delft, the Netherlands. Her main research interest is aquatic microbial ecology, in particular attached growth and control of biological stability in drinking-water systems.