



INTERACTION BETWEEN MICROBES AND METALS

A one-day Symposium offered by the International Course “*Ecology and Diversity of Marine Microorganisms*” (ECODIM V) and the *Austral Summer Institute VIII (ASI VIII)*

Friday January 18, 2008
Auditorium Claudio Gay
Faculty of Natural and Oceanographic Sciences,
University of Concepcion

Symposium organizers: Dr. Bernardo González & Dr. María Angélica Mondaca

Program

- 08:45 – 09:00 **Welcome** Bernardo González, Osvaldo Ulloa
- 09:00 – 10:00 Sébastien Monchy, Brookhaven National Laboratory, Biology Department, USA
Cupriavidus metallidurans CH34, a bacterial model for multiple resistance to heavy metals
- 10:00 – 11:00 María Angélica Mondaca, Universidad de Concepción
Microbial interactions with heavy metals
- 11:00 – 11:30 *Coffee break*
- 11:30 – 12:30 Jorge Yañez, Universidad de Concepción
Biogeochemical cycle of arsenic: A case of study
- 12:30 – 13:30 Bernardo González, Pontificia Universidad Católica de Chile
Copper effects on the structure of microbial communities from marine and terrestrial environments
- 13:30 – 15:30 *Lunch*
- 15:30 – 16:30 Santiago Andrade, Pontificia Universidad Católica de Chile
Chemical speciation of copper in marine ecosystems
- 16:30 – 17:30 David Gillan, Université Libre de Bruxelles, Bélgica
The structure of microbial communities in heavy metal contaminated North Sea sediments

Sponsored by the **Agouron Institute** and the **Millenium Nucleus in Microbial Ecology and Environmental Microbiology and Biotechnology (EMBA)**

The Symposium is open to the general public