



“Nitrogen fixation in aquatic environments: strategies and ecology”

A one-day Symposium offered by the International Course **Ecology and Diversity of Marine Microorganisms (ECODIM)** of the Austral Summer Institute XII (ASI XII)
Friday, January 13th 2012
Pontificia Universidad Católica de Chile

10:15 Opening session

10:30 “Nitrogen-fixing cyanobacteria. New insights in the mechanisms, ecology and evolution”

Prof. Dr. Lucas J. Stal, Department of Marine Microbiology, Netherlands Institute of Ecology NIOO-KNAW and Department of Aquatic Microbiology Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam

11:30 Coffee break

12:00 “N₂ marine fixation in oxygen minimum zones”

Dr. Camila Fernández, Laboratoire d'Océanographie Microbienne (LOMIC, CNRS) Observatoire Océanologique de Banyuls sur Mer-Francia and Centro COPAS - Fac. Cs Nat y Oceanograficas, Universidad de Concepción

13: 00 “N-fixation affects the N₂O and N₂ reservoirs in the tropical and subtropical South Pacific”

Dr. Laura Farias, Departamento de Oceanografía, Universidad de Concepción

14: 00- 15:30 Lunch

15:30 "Differentiation of nitrogen-fixing heterocysts and multicellularity in filamentous cyanobacteria”

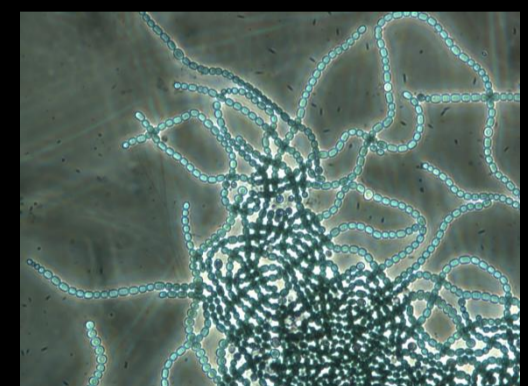
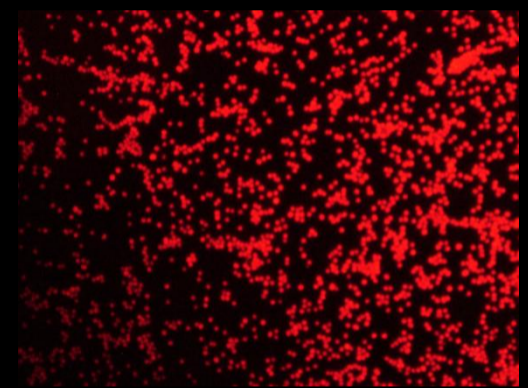
Dr. Enrique Flores García, Instituto de Bioquímica Vegetal y Fotosíntesis, CSIC-Universidad de Sevilla

16:30 “Remarkable traits on nitrogen fixation in filamentous cyanobacteria with a minimum genome”.

Dr. Mónica Vásquez, Department of Molecular Genetics and Microbiology, P. Universidad Católica de Chile.

Venue Address: Alameda 340, Auditorio B201, Facultad de Ciencias Biologicas.
Date & time: 13th January 2012 from 10:15 AM- 17:30 PM.

Scientific Organizers: **Dr. Beatriz Díez** (P. Universidad Católica de Chile) and **Dr. Mónica Vásquez** (P. Universidad Católica de Chile), mvasquez@bio.puc.cl



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