International Graduate Course on

Plant Ecophysiology in a Warmer and Drier World

Parque Katalapi, Región de Los Lagos, Chile, January 6-14, 2016

www.parquekatalapi.cl

Organizers

Lohengrin Cavieres (Universidad de Concepción, IEB, Chile)
Luis J. Corcuera (Universidad de Concepción, Chile)
León A. Bravo (Universidad de La Frontera, Chile))
Hans Lambers (University of Western Australia)

Invited Lecturers

Rajeev Arora (Iowa State University, USA)
Marilyn Ball (Australian National University, Australia); Richard Brooker (James Hutton Institute, UK); Nicolás Franck (Universidad de Chile);
Leopoldo García Sancho (U. Complutense de Madrid, Spain); Chris Lortie (York University, Canada);
Richard Michalet (Université d'Bordeaux, France);
Bruce Osborne (University College Dublin, Ireland);
Frida Piper (CIEP, Chile); Francisco Pugnaire (EEZA-CSIC, Spain); Maisa Rojas (Universidad de Chile);
Angela Sierra (Universidad de Concepción)
Mercedes Vivas (Universidad de Concepción)

Registration fee: Students (US$330; 200000 Ch pesos). Professionals: US$650; 380000 Ch pesos). This fee includes food, lodging, and course materials.

Information: contact Prof. Luis J. Corcuera at luis.corcuera@parquekatalapi.cl or visit the web page http://www.parquekatalapi.cl ; Telephone 56-41-2203586; mobile 56992490228.

Application deadline: October 1, 2015

Course Description: This intensive theoretical-field graduate course spans over 10 days. It includes lectures, seminars, and practical classes in the field. The course will use the facilities of Parque Katalapi, located in Carretera Austral, Region de Los Lagos, Chile. This course is designed as an intensive immersion experience. It requires team work, endurance, and social skills. The course will be centered on theoretical and practical aspects of Plant Ecophysiology. The language of the course is English

Main Topics of the course

- Climate change
- Plant responses to Environmental Stress and global changes
- Rhizosphere and Root Ecophysiology and strategies for water and nutrient acquisition
- Ecophysiological methods and techniques
- Molecular, physiological, and morphological traits underlying adaptations and interactions
- Water transport and economy
- Photosynthesis, stomatal conductance, and growth under global changes
- Photoinhibition and photoprotection. Pigment physiology
- Isotope analysis in ecophysiology
- Physiology of carbon transport and balance

Sponsors

- Facultad de Ciencias Naturales y Oceanográficas y Escuela de Graduados, Universidad de Concepción, Concepción.
- Universidad de La Frontera: Convenio de Desempeño FRO1204, Doctorados en Ciencias de RRNN y BCMA.
- Anillo de Investigación Antártica ART-1102
- Instituto de Ecología y Biodiversidad

Antarctic Plant Ecophysiology