

International graduate course Ecophysiology of the rhizosphere

Parque Katalapi, Región de Los Lagos,
Chile
January 14-20, 2019

Organizers

Luisa Bascuñán (Universidad de Concepción)
Alex Valentine (Stellenboch University)
Alejandra Zúñiga Feest (Universidad Austral de Chile)

Invited lecturers

Ricardo Aroca (CSIC), Eduardo Blumwald (U. California-Davis), Hans Lambers (U. Western Australia), Bruce Osborn (U. College Dublin), Alex Valentine (U. Stellenboch). Pablo Cornejo, Francisco Matus (UFRO), Teodoro de la Coba (CEAZA), Bernardo González (UAI), Marcia González (USACH), Julieta Orlando (UCHile), Dante Pinochet (UACH)

Registration fees: Students (US\$340; 210,000 Ch pesos). Professionals: US\$530; 320,000 Ch pesos). This fee includes food, lodging, and course materials.

Registration information: Luis J. Corcuera at luis.corcuera@parquekatalapi.cl or visit the web page <http://www.parquekatalapi.cl>; phone 56 992490228

Registration deadline: October 30, 2018

Course Description: This intensive theoretical-field graduate course spans over 7 days. It includes lectures, seminars, and practical activities. The course will use the facilities of Parque Katalapi, located in Carretera Austral, near Puerto Montt, Chile. This course is designed as an intensive immersion experience. It requires stamina, endurance, social skills, and persistence. The course will be centered on theoretical and practical aspects of plant soil microorganisms interactions.

Course requirements: Students are required to have completed at least one basic plant physiology course. Since most of the lectures and seminars will be in English, students must have a good level of understanding and oral expression in this language

Main topics of the course: Soil properties, Plant nutrition, Rhizosphere components, Mycorrhiza diversity, Nitrogen fixation, Salt tolerance, Cluster roots functioning, Rhizodeposition, organic matter and soil microorganisms, Plant growth promoting rhizobacteria (PGPR), Endophyte, Phytoremediation, Molecular plant microbe interaction.



Sponsors

- Departamento de Botánica, Facultad de Ciencias Naturales y Oceanográficas y Escuela de Postgrado, Universidad de Concepción.
- Instituto de Ciencias Ambientales y Evolutivas, Escuela de Graduados Facultad de Ciencias, Universidad Austral de Chile, Valdivia.
- REDES-CONICYT 170289
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