

## Scientific Program

**Wednesday – November 30<sup>th</sup>, 2011**

**Hotel Check-in starts at 12 PM** – Gran Hotel Pucón Reception

**12:00 – 17:00 Registration** – Gran Hotel Pucón Pre Foyer

**12:00 – 17:00 Posters & Exhibits Set up** –Lonquimay Room

**15:00 – 15:30 Opening Welcome** –Araucanía Room

Haroldo Salvo-Garrido & María L. Federico, CGNA.

**15:30 – 16:30 Plenary Lecture I** –Araucanía Room

**Dr. Andrew Sharpe, “Sequencing and assembly of Brassica crop genomes”**. NRC Plant Biotechnology Institute, 110 Gymnasium Place, Saskatoon, Saskatchewan, S7N 0W9, Canada - International Collaborator FONDECYT 1100732

Chair: Federico Iñiguez-Luy

**16:30-17:15 Coffee Break** – Gran Hotel Pucón Foyer

**17:15-18:45 Oral Session I** –Araucanía Room

Chairs: Federico Iñiguez-Luy & Andrés Zurita Silva

**17:15 Identification of polymorphism between different sweet cherry varieties using next generation sequencing, GeneScan analyses of SSRs and RosBREED iscan bead chip analyses. Carolina Klagges**, Nicolás Briceño, Ingrid Araya, Fernanda Rodríguez, Lee Ann Meisel

**17:35 Marker assisted selection for the introduction of double resistance to powdery mildew in grapevine. Camila Almendra-Claëys**, Carolina Serrano, Sarolta Hoffman, Pal Kozma, Patricio Arce-Johnson

**17:55 High throughput SNP genotyping in *Brassica napus* L.: SNP detection in genomic areas associated to traits of agronomical and nutritional importance.** Cristell Navarro, **Wayne E. Clarke**, Daniel Gerhardt, Humberto Gajardo, Andrew Sharpe, Isobel P. Parkin, María L. Federico, Federico L. Iñiguez-Luy

**18:15 Evidence of microsynteny between *Lupinus luteus* and *Medicago truncatula* genomes.** **Lorena Parra**, Cristell Navarro, Marcos Olivos, Joshua Udall, Jeff Maughan, Haroldo Salvo-Garrido, Iván Maureira-Butler

**19:00 – 21:00 Welcome Cocktail - Poster Session I** –Lonquimay Room  
(ODD number posters)

**21:15 Dinner** – Gran Hotel Pucón Calafquén Restaurant

## Thursday – December 1<sup>st</sup>, 2011

**Open access to Posters & Exhibits** – Lonquimay Room 9:00 – 21:00

**7:00-8:45 Breakfast** – Gran Hotel Pucón Calafquén Restaurant

**9:00 – 10:00 Plenary Lecture II** –Araucanía Room

**Dr. Manuel Rodríguez Concepción, "Regulation of plant carotenoid biosynthesis: lessons from Arabidopsis"**. Centre for Research in Agricultural Genomics, Campus UAB, Bellaterra, CRAG/CSIC, Barcelona, España. International Collaborator CSIC España/Universidad de Chile 10/11-2

Chair: Claudia Stange

**10:00- 11:00 Oral Session II** –Araucanía Room

Chairs: Claudia Stange & María L. Federico

10:00 **Molecular strategies to study the function of *lcyb2*, a putative lycopene  $\beta$ -cyclase from *Daucus carota* (carrot).** Carolina Rosas, Claudia Stange

10:20 **Retention of triplicated phytoene synthase (*PSY*) genes in brassica napus l. And its diploid progenitors during the evolution of the *Brassicaceae*.** Pablo Cárdenas, Humberto Gajardo, Isobel Parkin, Federico Iñiguez-Luy, María L. Federico

10:40 **Use of plants as bioreactors: expression of the RNA of three different epitopes of Hepatitis C virus (HCV) in tomato plants.** Susan Hitschfeld, Nicolas Daneri, Francisca Jauregui, Patricio Arce-Johnson

**11:00-11:30 Coffee Break** – Gran Hotel Pucón Foyer

**11:30- 13:00 Oral Session III** –Araucanía Room

Chairs: Rodrigo Gutiérrez & Ma. Alejandra Moya

11:30 **Expression of an optimized *Argopecten purpuratus* antimicrobial peptide in *E. Coli* and evaluation of the purified recombinant protein by *in vitro* challenges against important plant fungi.** Christian Montes, Eduardo Tapia, Patricia Rebufel, Alberto Paradela, Gloria Arenas, Humberto Prieto

11:50 **Cytokinin signaling and nitrate induced root growth in *Arabidopsis thaliana*.** Pamela A. Naulin, Karem Tamayo, Rodrigo A. Gutiérrez

12:10 **TGA1 and TGA4 transcription factors control nitrogen responses in *Arabidopsis thaliana* roots.** José M. Alvarez, Eleodoro Riveras, Diana E. Gras, Elena A. Vidal, Orlando Contreras-López, Felipe F. Aceituno, Karem P. Tamayo, Rodrigo A. Gutiérrez

12:30 **ATPRP3 polar localization within the root hair cell wall is regulated by both secretory and endocytic mechanism(s).** **Cecilia Rodríguez-Furlán**, Mary Tierney, Ariel Orellana

**13:00-14:30 Lunch** – Gran Hotel Pucón Calafquén Restaurant

**15:00- 16:00 Plenary Lecture III** –Araucanía Room

**Apoyo a la Formación de Redes Internacionales entre Centros de Investigación 2011**  
Bilateral Seminar Series:

**Dr. Steve Robinson, “Resisting the Freeze”.** Agriculture and Agri-Food Canada, Saskatoon Research Centre, 107 Science Place, Saskatoon, Saskatchewan S7N 0X2, Canada.  
Chair: Haroldo Salvo, PhD.

**16:00-17:20 Oral Session IV** –Araucanía Room

Chairs: Loreto Holuigue & Gabriel León

16:00 **Functional characterization of novel genes associated to ionic stress in *Arabidopsis thaliana* and *Saccharomyces cerevisiae*.** **Daniela Urbina**, Matías Freire, Aliosha Figueroa, Alexander Vergara, Lorena Norambuena

16:20 **Physiological, biochemical and molecular responses in three eucalyptus species that differs in their tolerance to drought stress.** **Pino M.T.**, Selles G., Balboa M., Milla. E., Romero P., Rojas P., Ortiz O., Molina M.P., Gutiérrez B

16:40 **GRXS13 plays a key role in protection against photooxidative stress and cold acclimatization in *Arabidopsis*.** **Ema Olate**, Daniel Laporte, Marcela Salazar, Julio Salinas, Loreto Holuigue

17:00 **Heterologous expression of an artificial microRNA derived from grapevines.** **Alejandra Ramírez**, Álvaro Castro, Humberto Prieto

**17:20-17:50 Coffee Break** – Gran Hotel Pucón Foyer

**18:00 Business Meeting – VII Plant Biology Meeting Organization** –Araucanía Room

**19:00 – 21:00 Poster Session II** –Lonquimay Room

**(EVEN number posters)**

**21:15 Dinner** – Gran Hotel Pucón Calafquén Restaurant

**22:30 After Dinner Get Together** –Casino Enjoy, Amura Lounge

## Friday – December 2<sup>nd</sup>, 2011

**Hotel Check-out before 12 PM** – Gran Hotel Pucón Reception

**Open access to Posters & Exhibits** – Gran Hotel Pucón Multicancha (10:00-17:00)

**7:00-9:15 Breakfast** – Gran Hotel Pucón Calafquén Restaurant

9:15-10:00 **Application Seminar: "Illumina MySeq™ System: the next revolution in personal sequencing"**. Dr. Veridiana Cano, Illumina, Sao Paulo, Brazil.

**10:00-11:00 Plenary Lecture IV** –Araucanía Room

**Apoyo a la Formación de Redes Internacionales entre Centros de Investigación 2011**  
Bilateral Seminar Series:

**Dra. Isobel Parkin, "An Integrated Systems Approach to Studying Seed Quality Traits in *Brassica napus*".** Agriculture and Agri-Food Canada, Saskatoon Research Centre, 107 Science Place, Saskatoon, Saskatchewan S7N 0X2, Canada.  
Chair: María Laura Federico

**11:00-13:00 Oral Session V** –Coñaripe Room  
Chairs: Michael Handford & Veronique Amiard

11:00 **Do potatoes have a single evolutionary history? What proportion of the genome supports this history?** Flor Rodríguez, David Spooner

**11:30-12:00 Coffee Break** – Multicancha

12:00 **Genetic characterization of the cluster structure of grapevine.** José Correa, Denisse Laborie, Maribel Mamani, Carlos Muñoz, Manuel Pinto, Patricio Hinrichsen

12:20 **Identification and functional analysis of molecular factors involved in the cytokinin response pathway in peach fruits.** Camilo Avendaño Miralles, Fernanda Rodríguez Rojas, Héctor Duchens Silva, Soledad Cabrera, Juha Immanen, Herman Silva, Ykä Helariutta, Lee Ann Meisel

12:40 **Identification of novel nucleotide sugar transporters involved in pectin biosynthesis.** Henry Temple, Ignacio Moreno, Francisca Blanco, Macarena Greve, Omar Sandoval, Ariel Orellana

**13:00-14:30 Lunch** – Gran Hotel Pucón Amura Restaurant

**15:00- 16:00 Oral Session VI** –Araucanía Room  
Chairs: Patricio Hinrichsen & León Bravo

15:00 **Relationship between the size of berries and the sugar content in contrasting phenotypes of grapevine (*Vitis vinifera* L.).** Cristian Valdés, Daniela Olivares, José Correa, Denisse Laborie, Herman Silva, Patricio Hinrichsen, **Manuel Pinto**

15:20 **Photosynthetic light responses may explain vertical distribution of Hymenophyllaceae species in a temperate rainforest of southern Chile.** **María José Parra**, Karina I. Acuña, Angela Sierra-Almeida, Camila Sanfuentes, Luis J. Corcuera<sup>1</sup>, León A. Bravo

15:40 **Molecular and physiological study of postharvest rachis browning of table grape cv Red Globe.** **Iván Balic**, Adrián Moreno, Claudia Huerta, Ariel Orellana, Bruno Defilippi, Reinaldo Campos-Vargas

**16:00 Closing Ceremony – Coñaripe Room**

*Posters should be removed by 5 PM.*