

Program

Sunday March 16th

Registration Desk opens – Foyer Convention Center 11:00- 16:00

Lunch- Caburga Restaurant 12:00- 15:00

Session I – Araucania Salon 16:00- 17:40

Functional Genomics I

Chair: **Sue Gardiner**

Kevin M. Folta (University of Florida, USA) 16:00- 16:20
Deep Sequencing the *Fragaria* Transcriptome

Arnaud Remay (INRA Cedex, France) 16:20- 16:40
Rose flowering: in the search for the recurrent blooming gene

John W. Forster (Victorian AgriBiosciences Centre, Australia) 16:40- 17:00
In vitro SNP discovery in the cultivated octoploid strawberry
(*Fragaria x ananassa*)

M. Alejandra Moya-Leon (University of Talca, Chile) 17:00- 17:20
Searching for differentially expressed tags involved in softening of
Fragaria chiloensis fruit

Richard E. Veilleux (Virginia Polytechnic Institute, USA) 17:20- 17:40
Mapping insertional mutants of the diploid strawberry, *Fragaria vesca*,
through SNP discovery in flanking regions

Coffee break – Foyer 17:40- 18:10

Session II – Araucania Salon 18:10- 19:10

Rosaceae Biology

Chair: **Reinaldo Campos**

Pere Arús (IRTA, Spain) 18:10- 18:30
Variability and linkage disequilibrium in European and North-American
peach cultivars

Amit Dhingra (Washington State University, USA) 18:30- 18:50
Cytoplasmic Fingerprinting of the US *Fragaria* Core Collection

Donato Giannino (National Research Council of Italy (CNR), Italy) 18:50- 19:10
Peach (*Prunus persica* [L.] Batsch) *KNOPE1*, a class 1 *KNOX* ortholog to *Arabidopsis* *BREVIPEDICELLUS/KNATI*, is misexpressed during hyperplasia of leaf curl disease

Welcome – Araucaria Salon 19:30

Reception – Terrace

(Note: if it is raining, this will be held in the Calafquen Restaurant)

Monday March 17th

Breakfast – Caburga Restaurant from 7:30

Plenary Conference I – Araucania Salon 8:30- 9:00

Chair: **Herman Silva**

Bryon Sosinski (NC State University, USA). Sequencing of the Peach Genome

Session III – Araucania Salon 9:00- 10:20

Functional Genomics II

Chair: **Vladimir Shulaev**

Abhaya Dandekar (University of California, Davis, USA) 9:00- 9:20
Functional Genomics of Apple Fruit Quality

Kevin M. Folta (University of Florida, USA) 9:20 - 9:40
Evaluating Novel Rosaceae Gene Function in Transgenic Strawberry and Arabidopsis

Ricardo Nilo (Andres Bello University, Chile) 9:40 - 10:00
Prunus persica fruit ripening assessment using a proteomics approach

Werner Howad (IRTA, Spain) 10:00- 10:20
Bin mapping candidate genes and SNP discovery in *Prunus*

Antonio Granell (IBMCP CSIC-U. Politécnica, Valencia, Spain) 10:20- 10:40
Genomics of the response of peach fruit to chilling temperatures

Coffee break – Foyer 10:40- 11:10

Session IV– Araucania Salon 11:10- 12:50

Molecular Markers and Quality Trait Mapping

Chair: **Lee Meisel**

Tetyana Zhebentyayeva (Clemson University, USA) 11:10- 11:30
QTL analysis of chilling requirement

Emily Buck (HortResearch, New Zealand) 11:30- 11:50
Transferability of Rosaceae Molecular Markers to *Rubus*

Ebenezer Oguniwin (University of California, Davis, USA) 11:50- 12:10
Detailed QTL and candidate gene analysis of internal breakdown in peach fruit

Amy Iezzoni (Michigan State University, USA) 12:10- 12:30
Development of gene-based markers for linkage map construction and
QTL analysis in sweet cherry

Andreas Peil (Julius Kühn Institute, Germany) 12:30- 12:50
High speed apple breeding – from vision to reality

Lunch – Caburga Restaurant 13:00- 15:00

Poster Session I – Lonquimay Salon 15:00- 17:00
Beer & Snack

rosIGI meeting – Araucania Salon 17:00- 18:00

Dinner – Caburga Restaurant 19:00- 22:00

Tuesday March 18th

Breakfast – Caburga Restaurant from 7:30

Plenary Conference II – Araucania Salon 8:30- 9:00

Chair: **Ariel Orellana**

Riccardo Velasco (*IASM Research Center, Italy*). The Golden Delicious Apple Genome Sequencing Project: progress and perspectives

Session V – Araucania Salon 9:00- 10:20

Funcional Genomics III

Chair: **Pere Arús**

Amit Dhingra (Washington State University, USA) 9:00 - 9:20
International Consortium for Apple Genome Sequencing

Lee Meisel (Andres Bello University, Chile) 9:20- 9:40
In fruta trans-activation of a cold-inducible peach promoter by a peach CBF functional ortholog - a platform for functional analyses of transcription factors in fruits

Daniel J. Sargent (East Malling Research, United Kingdom) 9:40- 10:00
Development of gene-specific markers from *Malus pumila* mRNA Sequences and transferability and mapping in the other rosaceous genera

Kevin M. Folta (University of Florida, USA) 10:00- 10:20
Subgenome Signatures: Identifying Diploid Contributions to the Octoploid Strawberry (*Fragaria x ananassa*) Genome

Coffee break – Foyer 10:20- 10:50

Session VI– Araucania Salon 10:50- 13:00

The Future of Rosaceae Genomics

Chair: **Kevin Folta**

Amy Iezzoni (Michigan State University, USA) 10:50- 11:10
Pedigree Based Analysis: Our experiences using multiple pedigreed populations in sweet cherry

David Chagné (HortResearch, New Zealand) 11:10- 11:30
Single nucleotide polymorphism marker development in apple: progress and applications

Henk Schouten (Wageningen University, The Netherlands) 11:30- 11:50
Cisgenesis and Intragenesis in Rosaceae Crops

Session VII – Araucania Salon *12:00- 13:00*

Functional Genomics IV

Chair: **Bryon Sosinski**

Elisabeth Dirlwanger (INRA, France) 12:00- 12:20

Fine mapping of the D gene controlling fruit acidity in peach and screening of a new BAC library

Alberto Vecchiatti (Parco Tecnologico Padano, Italy) 12:20- 12:40

Cloning and expression of peach aroma candidate genes and peach aroma microarray advancing

Akihiro Itai (Tottori University, Japan) 12:40- 13:00

Characterization and functional analysis of ripening related MADS box genes in pear

Lunch – Caburga Restaurant *13:00- 15:00*

Poster Session II– Lonquimay Salon *15:00- 17:00*

Beer & Snack

Session VIII – Araucania Salon *17:00- 17:40*

Genomics of Disease Resistance

Chair: **Amy Iezzoni**

Véronique Decroocq (INRA, France) 17:00- 17:20

The SharCo consortium: Towards sharka containment

Angela M Baldo (USDA-ARS & Cornell University, USA) 17:20- 17:40

Resistance Gene Analogs in Rosaceae: Family-wide Classification Including Raspberry, Cherry, and Wild Apples

Gala Dinner – Huife Hot Spring *18:00*

Wednesday March 19th

Breakfast – Caburga Restaurant from 7:30

Session IX – Araucania Salon 8:30- 9:10

Genomics of Disease Resistance

Chair: **Amy Iezzoni**

Dorrie Main (Washington State University, USA) 8:30- 8:50

Comparative and Functional genomics of *Powdery mildew* Resistance in Rosaceae

Patrich Lambert (INRA-Cedex, France) 8:50- 9:10

Pyramiding mono and polygenic resistances is one strategy to provide more durable control of the resistance to the green peach aphid and *Powdery mildew* in peach

Final Discussion & Conclusions – Araucania Salon 9:30- 11:30

Chair: **Members of the Scientific Committee**

Additional Activities:

ERGI (European Rosaceae Genomics Initiative) meeting

Contact: **Dr. Alberto Vecchietti**

Araucania Salon, Monday March 17th 21:00

Mini-workshop on Bin-set development (RosPOP activity)

Contact: **Dr. Cameron Peace and/or Dr. Werner Howad**

Araucania Salon, Sunday March 16th 13:30- 15:30