

WORKSHOP ON GRAPE GENOMICS

Génopole Evry, November 9th and 10th 2005

Wednesday, november 9th

Welcome : 9h30 - 10h00

10h00-10h15 **G. Riba** (Scientific director of INRA). Introduction

10h15-10h35 **M. Boulay** (Moët) The challenges to be met by the french viticulture

10h35-11h00 **M. Thomas** (CSIRO). Collaborative research and the International Grape Genome Program: Benefits and future challenges

Session I : The Grape Genome Sequencing Project (F. Quetier)

11h00-11h15 **A-F Adam-Blondon-F Legeai** (INRA) Tools for structural genomics in Grape

11h15-11h45 **E. Pé** (Univ Milano, Italy) and **F. Quetier** (Scientific director of Génoscope) Presentation of the french/italian Grape Genome Sequencing Project

11h45-12h00 **S. Aubourg** (INRA). Genome annotation

Session II : Vintage quality (S. Delrot)

12h00-12h30. **C. Clement** (Univ Reims) and **L. Torregrosa** (Agro-M). Flowering and berry early development in grapevine.

Lunch : 12h30 - 14h00

14h00-14h25. **S. Delrot** (Univ Poitiers)/**C. Romieu** (INRA). Physiology of berry maturation.

14h25-14h50. **E. Duchêne** (INRA). Volatiles compounds and genetic variation
14h50-15h15. **J-P Gaudillère** (INRA). Ecophysiology and elaboration of berry quality.
15h15-15h40. **A. Carbonneau** (Agro-M). Berry quality: ordering of its complexity - influence of water limitation

Session III : Tools for functional analysis in grapevine (L. Torregrosa)

15h40-16h30. **T. Bataillon** (INRA) and **P. This** (INRA). The use of germplasm collections for genotype/phenotype association studies and QTL detection.

Coffee break : 16h30 - 16h50

16h50-17h20. **A. Perl** (Volcani center, Israel). Functional analysis in grapevine using transformation.
17h20-17h50. **G. Cramer** (Univ of Reno, USA). Transcriptomics, proteomics and metabolomics in grapevine.
17h50-18h20. **S. Lund** (Univ British Columbia, Canada). Proteome studies using the iTRAQ system.

Thursday, november 10th

Session III : Adaptation to biotic and abiotic stresses in grape (D. Merdinoglu)

9h00-9h25. **S. Decroocq** and **N. Ollat** (INRA). Tolerance to iron deficiency.
9h25-9h55. **B. Mauch-Mani** (Univ of Neuchâtel, Switzerland). Resistance of plants against pathogens - what do we know?
9h55-10h25. **O. Lemaire** and **M-F Coriot-Costet** (INRA). Grapevine pathogens : challenges and prospects

Coffee break : 10h25-10h45

10h45-11h15. **M. Viaud** (INRA). Genome and transcriptome of *Botrytis cinerea*.
11h15-11h50. **B. Reisch** (Univ of Cornell, USA). Grapevine genetic resources for disease resistance.

11h50-12h30 General discussion : prospects and needs for international collaboration/closing remarks by M. Guillou (president of INRA)

Lunch : 12h30 - 14h00

14h00-17h00 : Discussion / débat de la communauté « vigne » française