

Genome sequencing of the black truffle *Tuber melanosporum*

1st TuberGENOMICS Workshop

Department of Plant Biology, University of Torino
April 26-27, 2007

Thursday, April 26

9:30-10:30 Seminar for the Ph.D students of Science and High Technology School

11:00-12:00 Press conference

13:00-14:00 Meeting restricted to the *Tuber* Genome Consortium PIs

15:00-19:30 The 1st *Tuber* Genomics Workshop - conferences

Friday, April 27

9:30-11:00 The 1st *Tuber* Genomics Workshop – conferences

11:30-12:30 The 1st *Tuber* Genomics Workshop - Post-annotation activities

11:30-12:30 The 1st *Tuber* Genomics Workshop - Post-annotation activities

Thursday, April 26

9:30-10:30 F Martin, INRA-Nancy The black cottonwood, *Populus trichocarpa*: from genome to proteome

Seminar for the Ph.D students of Science and High Technology School

11:00 – Press Conference on Genome sequencing of the black truffle *Tuber melanosporum*

Presentations by

P.Bonfante, University of Torino and IPP-CNR, Italy

F.Martin, INRA Nancy France

S.Ottonello, University of Parma, Italy

Moderator: Piero Bianucci, La Stampa

12:00 – Aperitif

13:00-14:00 Restricted to the *Tuber* Genome Consortium PIs

Meeting of the TuberGENOMICS consortium partners (INRA Nancy, INRA Clermont-Ferrand, INRA/VIB Ghent, Dept. Plant Biol.-University of Torino, Dept. Biochem. Mol. Biol-University of Parma) to discuss general strategic aspects of the planned activities.

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Thursday, April 26 Afternoon – The 1st *Tuber* Genomics Workshop

15:00 – Welcome address

P Bonfante, University of Torino

15:15 – Phylogeny and genetic diversity in truffles

C Murat, University of Torino

15:30– Revisiting the life cycle in truffles

F Paolocci, CNR-Perugia

15:45 – Current status of the *Tuber* genome project

F Martin, INRA-Nancy

16:15 – Genome sequencing at the CNS Génoscope

P Wincker, Génoscope-Evry

16:45 – The long (hard) road to the completed genome of the symbiotic *Laccaria bicolor*

F Martin, INRA-Nancy

17:15-- Coffee Break

17:45 - Automatic genome annotation using the Eugene prediction platform. Some lessons from *Laccaria* and a few other genomes, and anticipation for *Tuber*

P Rouzé & L Sterck, VIB Gent University

18:15 – The genome annotation pipeline and databases for the ascomycete *Botrytis cinerea*

J Amselem (URGI-INRA) & MH Lebrun (CNRS-Aventis-Lyon)

18:45 - Transcriptomics: the whole genome expression array of *Laccaria*

A Kohler, INRA-Nancy

19:15 – Discussion

Friday, April 27

9:00 – The transcriptome of *Tuber melanosporum*: cDNA libraries & preliminary data
B Montanini (University of Parma) & F Martin (INRA-Nancy)

9:30 – The Tuber EST database
MP Oudot-Le Secq

9:45 – TuberGENOMICS - Annotation Task Assignments & Activity Coordination:

- Integration of *ab initio* machine annotation and manual curation
- Identification of interested partners and delineation of the TuberGENOMICS network
- Task assignment and schedule of the annotation work
- Publication and data sharing policy

11.00 - Coffe break and informal discussion

11:30 – Post-annotation activities:

- Comparative genomics (P Rouzé, Ghent)
- Large-scale two-hybrid analysis and other « heterologous resources » (S Ottonello, Parma)
- From genome to cell biology : Targeted follow-up studies and perspectives (R Balestrini, Torino)
- Transfer of *T. melanosporum* genome knowledge to other truffles (G Chevalier, Clermont)

12.30 - Lunch and continued informal discussions

13:45 – Open discussion by members of the TuberGENOMICS network: Other follow-up programs (proteomics, metabolomics, genome-based phylogeography and comparative analysis with other truffles) and potential grant applications