

October 25th

Morning Session

8.30-9.30 Evolution of cytogenetics as a discipline **O. Zuffardi**

9.30-10.30 Cancer cytogenetics 1 **F. Mitelman**

10.30-11.00 Coffee break

11.00-12.00 Cancer cytogenetics 2 **F. Mitelman**

12.00-13.00 Microarrays: general introduction **B. Ylstra**

13.00 **Lunch**

Afternoon Session

14.30-15.30 Parallel sequencing: general introduction **J. Veermesch**

15.30- 18.00 **Concurrent Workshops**

1 Workshop :Array CGH platforms compared **B. Ylstra**

16.30-17.00 **Break**

2 Workshop: Cytogenetics and parallel sequencing practical aspects (I) **M. Iacone**

October 26

Morning Session

8.30-9.30 Cytogenetic evolution **M. Rocchi**

9.30-10.30 Copy Number Variation in the human population **J. Veermesch**

10.30-11.00 **Coffee break**

11.00-12.00 Human genome plasticity **M. Rocchi**

12.00-13.00 Technology advancement from microarrays to therapy **B. Ylstra**

13.00 **Lunch**

Afternoon Session

14.30-15.30 Expression profiling by microarray **B. Young**

15.30-18.00 **Concurrent Workshops**

1 Workshop: Cytogenetics and parallel sequencing: practical aspect (II) **M. Iacone**

16.30-17.00 Break

2 Workshop: MicroRNAs and long non coding RNAs: practical aspect **F. Speleman**

October 27

Morning Session

8.30-9.30 Long non coding RNAs: the important unknowns **F. Speleman**

9.30-10.30 Genome wide CNV and SNP detection in single cells **J. Veermesch**

10.30-11.00 Coffee break

11.00-12.00 The application of SNP arrays to the cancer genome **B. Young**

12.00-13.00 Inherited causative imbalances: the two hits hypothesis applies not only to tumors **O. Zuffardi**

13.00 **Lunch**

Afternoon Session

14.30-15.30 Long non coding RNAs: the important unknowns **F. Speleman**

15.30-18.00 Concurrent Workshops

1 Workshop Resources for molecular cytogenetics **M. Rocchi**

16.30-17.00 Break

17.00-18.00 t.b.d **B. Young**

October 28

Workshop organized within the frame of the European Project Cherish (Improving Diagnoses of Mental Retardation in Children in Eastern Europe and Central Asia through Genetic Characterisation and Bioinformatics/Statistics Mental retardation)

9.00- 15.30 t.b.d