

**Practical Workshop on
"Detection of beta-thalassemia mutations
by Arrayed Primer Extension (APEX) technology"
Bologna, March 18-20, 2004**

VENUE: Department of Medical Genetics, University of Bologna

Thursday, March 18th, 2004

Morning Session

9.00 - 9.30	Opening introduction to the workshop
9.30 - 13.00	Practical work: PCR reactions
10.30 - 11.30	Lecture "Introduction to DNA array technology"
13.00 - 14.00	Lunch
14.15 - 15.00	Practical work: Control of PCR reactions by agarose gel electrophoresis and pooling the PCR reaction products
15.00 - 16.00	Practical work: Purification and concentration of pooled PCR products
16.00 - 17.00	Practical work: Control of purified and concentrated PCR products by agarose gel electrophoresis
17.15 - 18.00	Discussion of the day

Friday, March 19th, 2004

9.00 - 11.00	Practical work: Fragmentation of PCR products by sAP and UNG treatment
9.30 - 10.30	Lecture "Arrayed Primer Extension (APEX) technology as a tool for mutation detection, genotyping and DNA resequencing"
11.00 - 11.30	Practical work: Control of DNA fragmentation by electrophoresis
11.45 - 13.00	Practical work: APEX reactions
13.00 - 14.00	Lunch
14.15 - 16.00	Practical work: Imaging of APEX slides
15.00 - 15.45	Lecture "Imaging of APEX slides by Genorama Quattroimager"
16.00 - 18.00	Practical work: Analysis of APEX reactions by Genorama software

18.00 - 19.00

Discussion of the day - Conclusions

Saturday, March 20th, 2004

9.00 - 12.00

Discussions and conclusions

For further information visit the EGF website: [//www.eurogene.org](http://www.eurogene.org)
