



1st Genomics and Proteomics Workshop

Venue: Macedonian Academy of Sciences and Arts,
Skopje, R. Macedonia

Date: November 22-26, 2010

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Organized by: Research Center for Genetic Engineering
and Biotechnology, Macedonian Academy
of Sciences and Arts

PROGRAMME

November 22, 2010 (Monday)

- 11.30 –12.00 Registration
- 12.00 – 12.30 *Welcome address and Introduction to the workshop,
Georgi D. Efremov, R. Macedonia*
- 12.30 – 15.00 Lectures
- Niels Tommerup, Denmark: “The use of next-generation sequencing”*
- Cristina Patuzzo, Italy: “Next-generation sequencing: a revolutionary technology. Our preliminary experience”*
- Max Chaffanet, France: “Integrated genomic analysis of breast cancers”*

November 23, 2010 (Tuesday)

- 09.00 –12.00 Practical Work (Real-time PCR analysis)
- 12.00 – 14.30 Lectures
- Thilo Dork, Germany: “High throughput technologies for mutation detection”*
- Jan Gorodkin, Denmark: “Bioinformatics and non-coding RNA”*
- Rafael Oliva, Spain: “Proteomics: Methods and application in sperm cell research”*

November 24, 2010 (Wednesday)

- 09.00 – 12.00 Practical Work (Capillary electrophoresis: microsatellites, QF-PCR, MLPA, SNaPshot analyses, Detection of allelic imbalances, DNA Sequencing)
- 12.00 – 13.00 Lunch break
- 13.00 – 16.00 Practical Work (MicroRNA)

November 25, 2010 (Thursday)

- 09.00 – 12.00 Practical Work (Microarray analysis; Array CGH analysis for detection of chromosomal anomalies)
- 12.00 – 13.00 Lunch break
- 13.00 – 16.00 Practical Work (High throughput technologies: Data analysis)

November 26, 2010 (Friday)

- 09.00 – 12.00 Practical Work (Introduction to 2D-PAGE/2D-DIGE)
- 12.00 – 13.00 Lunch break
- 13.00 – 16.00 Practical Work (HPLC methods for protein and peptide separation; Amino acid analysis methods and application)