

## **From Tissue to a Gene Expression Profile in less than 5 hours**

Using the Applied Biosystems 7900 Real-time PCR System in combination with the ABI Prism 6100 Nucleic Acid PrepStation

### **Content of the Workshop:**

The demand to analyse a large number of genes in a short time in order to get a gene expression profile has dramatically increased since full sequence data is available for the human genome as well as for other organisms. In this workshop you will run a TaqMan Low Density Array (TLDA) from Applied Biosystems, that enables users to investigate the regulatory pattern of up to 384 different genes within 2 hours. The human TLDA is delivered with the customers choice of TaqMan Gene Expression assays, specific for any of the over 40 000 ready-made assays from ABI, covering almost every gene in the human genome, (as well as mouse and rat). In addition to the Custom TLDAs, ABI also offers pre-designed TLDA panels with assays of genes specific for different cellular pathways or processes. The instrument used for the TLDA card is the Applied Biosystems 7900 multipurpose Real-Time PCR System, and you will have the opportunity to load, program, run and make the post-run analysis of one TLDA card. In addition we will demonstrate the ABI PRISM 6100 Nucleic Acid PrepStation that in combination with the 7900 instrument substantially decreases the turn over time for gene and gene expression analysis.

**Participants:** Basic Real-Time PCR knowledge required

**Workshop leader;** Dr Astrid Potratz, Support Specialist, Applied Biosystems, Germany.