



Genomics and Bioinformatics

Hynek Strnad

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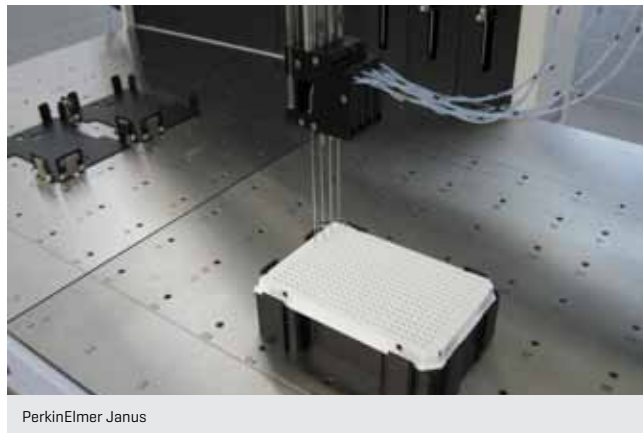
The facility was established in late 2005 after the purchase of the Affymetrix GeneChip System and was initially operated by the staff from the Laboratory of Mouse Molecular Genetics. Since January 2007, it has become an independent unit which provides full chip microarray services, real-time quantitative PCR service and high-throughput methods using the robotic equipment. The services are provided not only to the research groups at the Institute of Molecular Genetics, but also to other academic institutions in the Czech Republic as well as abroad. The core facility is equipped with two microarray platforms: Affymetrix GeneChip System and Illumina BeadStation 500, real-time PCR cyclers Roche LC480, JANUS robots and EnVision Plate Reader from PerkinElmer, and also with instruments for assessment of quality and quantity of processed samples [spectrophotometer Nanodrop and capillary electrophoresis Agilent Bioanalyzer 2100]. The facility represents one of the European certified Affymetrix core labs.



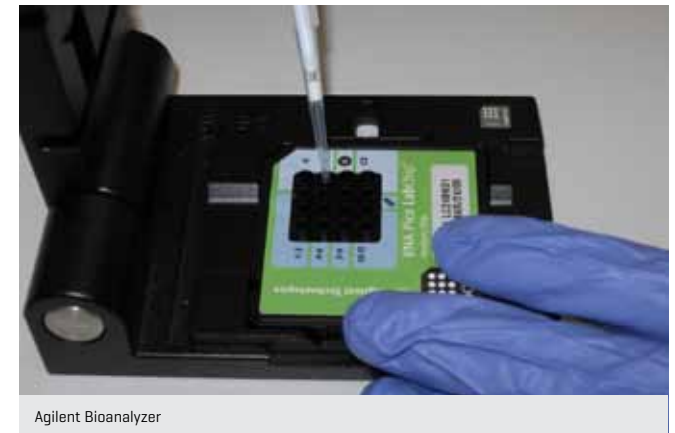
Illumina BeadArray Reader



Affymetrix GeneChip Scanner



PerkinElmer Janus



Agilent Bioanalyzer



From left:
Hynek Strnad, PhD / Head [since 2009]
Jitka Dubská, MSc [since 2009]
Veronika Klatovská, MSc
Martina Chmelíková, MSc

Not on the picture:
Robert Ivánek, MSc [until 2009]