



Laboratory Imaging

Laboratory Imaging is a software company with broad expertise in microscopy, image processing and analysis. Our systems and image analysis applications are being developed to be used in biology, medicine, forensic and material laboratories.

History

It was around the year 1995 when Laboratory Imaging started to develop software solutions specialized in cytogenetic techniques - the karyotype analysis and fluorescence microscopy. That is why many cytogenetic, molecular-genetic and pathology laboratories and IVF centers become our customers.

What we offer nowadays is a versatile software solution which covers full range of cytogenetic image analysis functions. These include karyotyping, FISH, color fluorescence MFISH karyotyping, comparative genom hybridization (CGH) and automated scanning applications (metaphase finder). In addition, we should mention the SCGE (single cell gel electrophoresis) assays analysis system also called „Comet Assay“.



Technology

The development of such sophisticated systems generates a need to gather large amount of technology knowledge whether it concerns controlling of cameras and microscopes, advanced data-analysis methods or database-based data storage. Thanks to the wide scope of projects carried out by the company team the knowledge from different fields of science and industry is shared and can be utilized right when it is needed. We are talking about cell biology, live cell imaging, experimental biology, pathology, cytology, but also about ballistics, trasology, mechanoscopy, metallurgy or mineralogy.

Products

NIS-Elements (Nikon Imaging Software), the flagship of Laboratory Imaging product portfolio is a result of a long-lasting mutual cooperation with Nikon Instruments Inc. Within the european region, we cooperate with Projectina AG, a Swiss company manufacturing forensic laboratory devices. Lets not forget very efficient mutual support between Laboratory Imaging and many Czech institutions and companies such as Charles University, Police of the Czech Republic, etc.

Facility

In 2003, Laboratory Imaging moved to its own company building - a former factory from the beginning of 20th century. To fully satisfy the needs of a modern software company (with subsidiary manufacturing ambition) a building extension was built in 2009. This acquired extra space now contains a training centre for our customers and users of our systems.

