

*Press release***Innovative Laser Instruments for Non-contact Cutting and Cell Surgery**

Hannover, November 18th, 2009 – For the first time Rowiak introduces its innovative product range to the Scandinavian Market at ScanLab 2009 in Stockholm. Rowiak has a long standing experience in the application of ultra short pulsed lasers. Based on this laser technology Rowiak designs instruments for non-contact cutting of biological tissue and various materials as well as for manipulation of cells and subcellular structures.

Rowiak's product range includes the CellSurgeon, a new laser based nanodissection system, enabling non-contact nanosurgery in living cells and small model organisms. The CellSurgeon assists to manipulate cell dynamics, to deactivate cell organelles or to influence cellular processes, such as metabolism and apoptosis. Possible applications are optical perforation of cell membranes to enable DNA transfection, ablating of cell organelles, for example mitochondria, and cutting of cellular structures such as cytoskeleton. The CellSurgeon can also be applied for the excision of cells from small model organisms.

The product portfolio includes the TissueSurgeon, the world's first laser microtome, a novel sectioning instrument for processing biological tissues and materials. A benefit of the TissueSurgeon is its ability to cut different biological tissues in their native states with the help of photons instead of steel blades. Optionally, the TissueSurgeon is available with a Navigation Module for three-dimensional imaging based on Optical Coherence Tomography (OCT). It enables 3-D navigated cutting, facilitating the processing of samples. The TissueSurgeon is suitable for a wide range of applications in life sciences and materials research. Applications include sectioning, three-dimensional cutting and microstructuring of biological tissue and different materials, such as ceramics and polymers

Rowiak will be present at the NinoLab booth. Visitors are invited to stop by booth numberfor detailed information about Rowiak and its products.

Press contact:

Dr. Birgitta Stolze
Tel.: +49 511 277 2955
Fax: +49 511 277 2959

Rowiak GmbH
Garbsener Landstr. 10
D- 30419 Hannover

E-Mail: bs@rowiak.de

www.rowiak.com

The Rowiak GmbH was founded in November 2003. The company, based in Hannover (Germany), designs and manufactures femtosecond laser instruments for life science applications.