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numares HEALTH presents innovative developments in NMR diagnostics at Forum Life Science 2013

Regensburg - The NMR diagnostics company **numares HEALTH** is an exhibitor at this year's Forum Life Science in Garching (near Munich, Germany). From 13 to 14 March 2013, **numares HEALTH** will be presenting its developments in the field of diagnostic tests for use in clinical practice and medical research.

High-throughput diagnostics with NMR

numares HEALTH develops innovative diagnostic tests based on nuclear magnetic resonance (NMR) spectroscopy for various indications. With the *AXINON* platform, **numares HEALTH** offers a reliable, fast and flexible analysis system intended for use in medical laboratories. Used in conjunction with *AXINON*, the test *lipoFIT-S100* for example allows the size distribution of lipoproteins in serum to be determined in high throughput.

Metabolomics in clinical use and laboratory diagnostics

Additional diagnostic tests are undergoing development at **numares HEALTH**. The basis of the test developments is the human metabolome that mirrors pathophysiological changes. The NMR spectroscopic detection of all metabolic products (metabolites), e. g. in serum or urine, opens up a unique insight into the processes and changes in the metabolism of (incipient) diseases.

Examples of diagnostic test development with NMR

Based on well-characterized patient populations, **numares HEALTH** evaluates the importance of lipoprotein subfractions for the risk assessment of cardiovascular diseases and for the early detection of diabetes mellitus and congenital lipid metabolic disorders (dyslipidemia). In the field of transplantation, **numares HEALTH** investigates the mechanisms associated with kidney graft rejection. The aim of research in this area is to develop a non-invasive diagnostic test that can reliably identify a graft rejection early on. In oncology, the aim is to use metabolite signatures for the diagnosis, follow-up and support of therapeutic decisions. **numares HEALTH** is currently developing a urine-based test for the diagnosis and classification of prostate cancer. All tests will be usable via NMR as a high-throughput application in clinical routine.

At the Forum Life Science in Garching (**Booth #10**), a multidisciplinary team of experienced scientists will answer all questions from interested visitors regarding the possibilities of NMR technology.

About numares HEALTH: Innovative development of diagnostic tests/approaches using NMR

numares HEALTH is a business unit of **numares GROUP**, which develops innovative products and applications based on nuclear magnetic resonance (NMR) spectroscopy in various fields. The business unit **numares HEALTH** develops and sells medical products/devices/diagnostic tests for the healthcare sector and medical research.

For some years now, the company has been involved in numerous collaborations with various research facilities, which help the company to conduct a purposeful product development for laboratory diagnostics. **numares HEALTH** uses its findings to perform a targeted and innovative development of diagnostic approaches.

In addition, the company supports customers in complex matters and clinical trials with its many years of expertise and experience in the field of NMR spectroscopy and metabolomics.

For further information please contact:

Christiane Proll MBA
numares GmbH
Josef- Engert- Str. 9
93053 Regensburg
Tel.: +49 941 280949-14
Email: christiane.proll@numares.com

www.numares.com