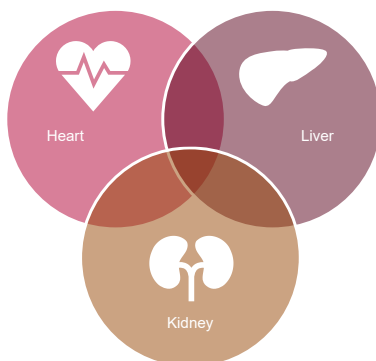


numares AG | Targeted Metabolomics

METABOLOMIC PROFILES | HEPATIC | CARDIAC | RENAL | ENDPOINT

Metabolomics Profiling

Metabolomics is focused on characterization of small molecules which provide a **snapshot of physiologic networks** and describes the current state of physiological and metabolic processes. **NMR based metabolomics is QUANTITATIVE and highly reproducible.** numares has developed the fully-automated AXINON® platform allowing for high-quality metabolomics data to be obtained in a robust and reproducible way. numares offers targeted metabolomics - hepatic/cardiac/renal profiles combined into constellations of relevant metabolites.



Targeted Metabolomics HEPATIC/CARDIAC/RENAL Profiles

- Standard Lipid Profile (Direct Quantitation)
- Advanced Lipoprotein (Subfraction) Analysis
- Branched Chain Amino Acids
- Metabolomics based kidney function
- 30+ clinically established metabolites

Surrogate study endpoints: NASH / Liver Disease • Metabolic Syndrome / Diabetes • Renal Disease / Renal Processes • Cholesterol Metabolism • Lipid Disorders / Atherosclerosis • HTN / Heart Disease • Drug Therapy • Epidemiology

numares - a leader in clinical metabolomics with NMR-based multimarker diagnostics

We are experts in leveraging metabolomics and lipidomics for clinical diagnostics. Our NMR based technology platform enables reproducible, quantitative analysis of data to elucidate interrelated metabolic diseases. More than 2 MILLION samples have been analysed in CLIA Certified National and Regional US Laboratories.

2004 Founded as spin-off of
Institute of Physical Biochemistry
of Regensburg University

54 Employees, with backgrounds
in medicine, biochemistry,
physics, computational science

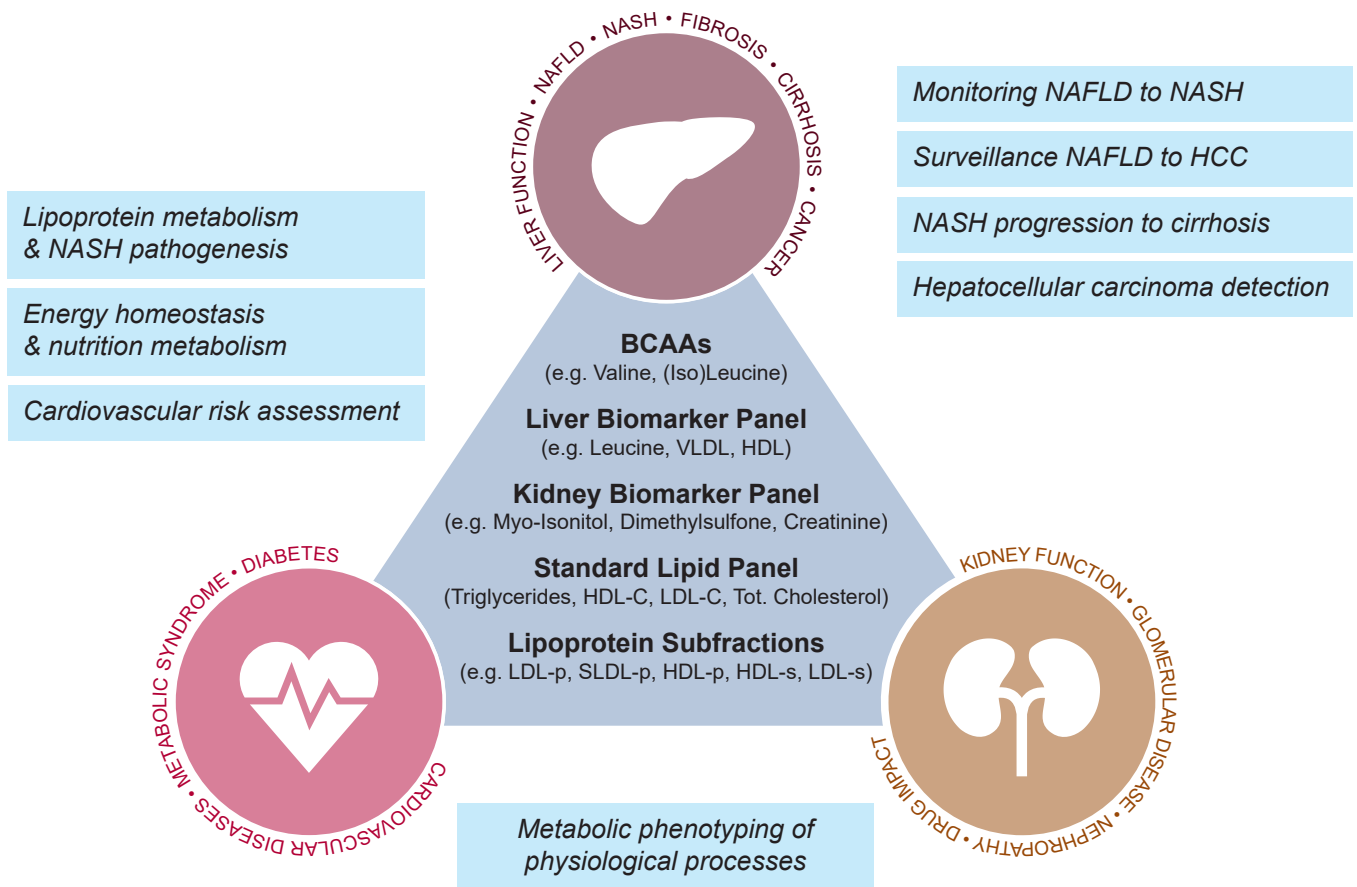
Patents 16 patent families, 30+
peer-reviewed publications,
several ongoing clinical studies

2 Locations worldwide:
Boston, USA
Regensburg, Germany

Hepatic/Cardiac/Renal Metabolomic Profiles

This targeted metabolomics profiling includes numerous clinically relevant metabolites which are established tests in clinical practice and reported and studied as endpoints in numerous clinical trials.

The **HEPATIC/CARDIAC/RENAL Profiles provide a snapshot of physiologic networks** and describe the current state of physiological and metabolic processes for cardiovascular, renal and liver diseases.



INTEGRATIVE METABOLOMICS – the **AXINON®** platform with **Magnetic Group Signaling™ (MGS®)** technology automates signal to data transition for highly accurate and reproducible metabolomics profiling. Coupled with our process for statistical identification of metabolite cohorts and networks, we can provide robust data analysis for association studies.

Benefit from:

- access through national and regional CLIA certified laboratories
- highly accurate and reproducible metabolite measurement
- full spectra for analysis of 300-400 quantitative biomarkers
- high standardization, fully automated, high-throughput operation
- non-destructive process; allows secondary patient sample analysis
- expertise in establishing metabolite constellations in clinical tests

As of today, 2M+ samples have been performed using numares technology.

