## **About Lipotype**

 $\rightarrow$  Lipotype is the leading lipidomics service provider for every researcher.

We are molecular biologists, bio statisticians, physicians, biochemists, mass spectrometry specialists, and bioinformatics experts. We are scientists who strive for better, faster and deeper comprehension of life and health through better, faster and deeper access to lipid data.

Our experience is based on decades of research on the role of lipids in cellular processes and on methodological aspects of lipidomics.

## **Lipidomics for a better life**

→ We developed Lipotype Shotgun Lipidomics to identify and quantify thousands of lipids in no time.

Our mass spectrometry-based technology was designed to adapt to a rich variety of sample types reflecting research diversity.

Our scientific curiosity drives us to keep upgrading our lipidomics technology and serve the scientific community on their avenues to the greater goal of life sciences:

a better life.





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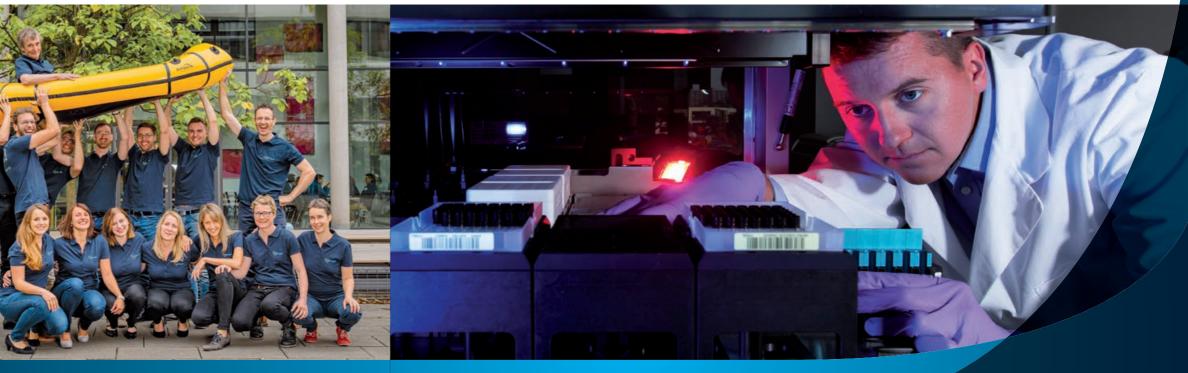
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# Join the lipid revolution



## **Services**

→ Lipid analysis services for a wide range of clinical and industrial applications

### **Our vision for lipidomics**

The quality of Lipotype Shotgun Lipidomics is unprecedented. It is the basis for novel products in different areas, including multiparameter diagnostics, drug development, nutrition, cosmetics or industrial biotechnology. Our lipid analysis services provide unrivalled tools for our clients to develop new products with a significant competitive edge.

#### We offer lipid analysis services for a wide range of customers and applications:



#### **Biotech and pharma industry, clinical research**

drug discovery (mode-of-action, target validation, effect on lipid metabolism) \_\_ drug delivery systems \_ biomarker identification (pharmacodynamic, pharmacokinetic, CDx) \_ clinical screening \_ diagnostics



#### **Food industry**

development of functional food/nutraceuticals \_\_ intervention studies \_\_ lipid composition of food products

#### **Cosmetics and dermatology**

claim support \_\_ drug development and validation \_\_ personalized cosmetics

#### **Academic research**

lipid analysis of cells, tissues and body fluids from various model organisms in a plethora of experimental setups

#### For a quote please contact us:

**Phone:** +49 (0) 351 79653-45 or **Email:** sales@lipotype.com



## Technology

→ High-throughput Shotgun Lipidomics



#### **HIGHLIGHTS of Lipotype Shotgun Lipidomics:**

- Lipotype Shotgun Lipidomics covers 57 lipid classes, in total more than 3100 individual lipids
- > Identification of lipids at the structural level of lipid subspecies (+ fatty acid composition)
- Coverage of a rich variety of sample types from > GMP certified & highly reproducible<sup>1</sup>, robust, and organelles, cells, body fluids & organs to oils & milk reliable technology with technical variation <10%
- > High-throughput for delivery of results in as little as 2 weeks

#### The Lipotype Shotgun Lipidomics workflow:



Surma et al. "An Automated Shotaun Lipidomics Platform for High Throughput, Comprehensive, and Quanti tive Analysis of Blood Plasma Intact Lipids" – European Journal of Lipid Science and Technology, 2015

Our mass spectrometrybased technology identifies more than 3100 individual lipids in minutes and routinely covers a rich variety of sample types while requiring only minimal sample amounts.

- > Minimal sample amount required (e.g. 15 µl of blood plasma)
- > Direct quantification of lipids with class-specific internal standards in every sample
- LipotypeZoom and advanced statistical reports access in-depth lipidomic data

## Competence

→ The worldwide leading lipid analysis service

#### How we work <del>ک</del> Phone: +49 (0) 351 79653-45 Email: sales@lipotype.com **Contact** us! 2. **Receive** consultation, the sample preparation guideline, and your quote. 3. **Prepare** your samples and **send** them in. 4. We extract the lipids, then identify and quantify them. AA. 5. We **generate** your data, reports, and statistics, and **send** them to you. e) 6. If you **need help** interpreting your results, let us **know!**

#### **Customers of Lipotype:**



#### **The Lipidomics Resource Center:**

All science is just as good, as the research which precedes it. The Lipidomics Resource Center is a platform to discover lipidomics publications, patents and articles to empower your lipid research.

#### Visit us at:

www.lipotype.com/lipidomics-resource-center

