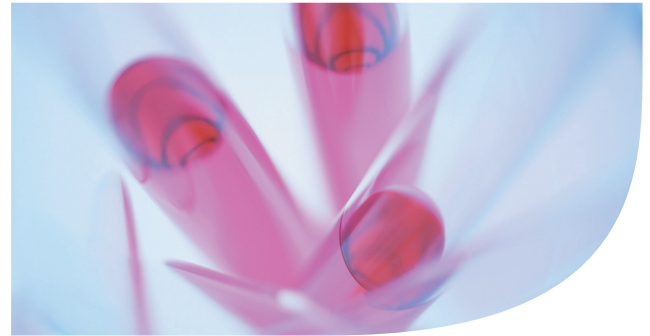




CUSTOMER REFERENCE

Biotech and pharma industry, clinical research: *drug discovery, biomarker, clinical screening, diagnostics*

Lipid analysis for early stages of drug discovery



Fueled by curiosity and a quest for new sources of future value, Flagship conceives, creates, resources and grows first-in-category life sciences companies. The unique, systematic, hypothesis-driven innovation process empowers Flagship simultaneously to explore the world's biggest problems and to conceive disruptive scientific solutions. Flagship ventures deliver breakthrough medicines, maximize the potential of new agricultural practices, and power the world with innovative resources. At Flagship Pioneering, we deploy boundless curiosity and creativity within our institutional innovation foundry, VentureLabs. Flagship VentureLabs has originated more than 200 patents and 40 companies. These ventures establish entire new fields and uncover previously undiscovered areas of science. Some of our notable venture creation successes include Moderna Therapeutics, Seres Therapeutics, Axcella Health, Indigo Agriculture and Adnexus.

Lipotype performed lipid analysis for Flagship VentureLabs with the aim to better understand molecular compositions of chondrisomes, pharmaceutically active derivatives of mitochondria. The research of Flagship VentureLabs is on novel ways of preparation of chondrisomes that have beneficial structural characteristics, yield, concentration, stability, viability, integrity, or function. The lipidomic results facilitated the characterization of isolated chondrisomes in order to evaluate their quality and subsequently were used to file a recently published patent application.

PUBLICATION:

Methods and Compositions of Chondrisomes – United States Patent Application 20170151287, 2017

GA Von Maltzahn, JM Milwid, M Mee, JR Rubens, D Chess, K Trudeau, K Mahdavian, J Feala

About Lipotype

LIPOTYPE is a spin-off company from the Kai Simons and Andrej Shevchenko labs of the world-renowned Max-Planck-Institute of Molecular Cell Biology and Genetics in Dresden, Germany. Drawing on many years of cutting edge research experience, Lipotype delivers comprehensive, absolutely quantitative lipid analysis services for clinical and biological samples on a high-throughput scale. Lipotype offers high quality lipid analysis services for a wide range of customers and applications including biomarker identification for clinical researchers, pharma and biotech companies, functional food development for the food industry, claim support for the cosmetics industry, as well as for the small-scale profiling needs of academic researchers.

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



Biotech and pharma industry, clinical research

Drug discovery (mode-of-action studies, target validation, effect of delivery system on lipid metabolism), biomarker identification (pharmacodynamic, pharmacokinetic, CDx), clinical screening and diagnostics



Food industry

Intervention studies for development of functional food/nutraceuticals



Cosmetics and Dermatology

Cosmetic claim support, topical drug development, development of personalized cosmetics



Academic research

Lipid analysis of various model organisms

