

# news from biocrates

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## Focus articles

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- Short-term air pollution alters amino acid metabolism
- Are effects of antibiotics reflected in the metabolome?

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## Certified laboratory program

### Want to be an official biocrates certified lab?

We are introducing our certified lab partnership program for experienced laboratories and core facilities where we promote quantitative, reproducible, and standardize metabolomics. Please visit our website or contact us for more information.

[More information](#)

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## A more complete picture of microbiome, diet, and energy metabolism

### Short- and medium-chain fatty acids

A growing number of studies show the importance of short- and medium-chain fatty acids as signaling molecules involved in the regulation of carbohydrate and lipid metabolism. The combined analysis offer new insights.

[Read article](#)

[Application note](#)

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## Metabolite of the month

### Sphingomyelins

In this section, our scientists look at one specific metabolite or a family of metabolites each month. Topics of discussion include the biosynthesis role in a broader health context, and the effect of dysregulation. In this month's article, we took a closer look at sphingomyelins, building blocks of eukaryotic cell membranes, playing an important role in cell signaling, growth and survival.

[Read article](#)

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## Looking back to the 8th Munich Metabolomics Symposium

### A summary

The 8th annual Munich Metabolomics Symposium was on November 12th, 2021. Each year we partner with other scientific organizations and businesses to bring together technologists and applied researchers with interests in metabolomics. This year, we had the pleasure of partnering with Sciex, Helmholtz Zentrum München, and Technical University Munich to design this meeting in which 18 metabolomics experts presented excellent content ranging from clinical applications of metabolomics to basic research and metabolomics methods. In case you missed it, check out the summary below.

[Read summary](#)

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## Focus articles

Shared below are recently published metabolomics articles.

For a more comprehensive collection please take a look at our [Literature section](#).

### Neurology

Metabolomics unravels aspects of Alzheimer's disease

[Sounds interesting](#)

### Cardiomet. disease

Short-term air pollution alters amino acid metabolism

[Sounds interesting](#)

### Pharmacology

Are effects of antibiotics reflected in the metabolome?

[Sounds interesting](#)



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