



## news from biocrates

### Quick links

- Virtual event: Biomarkers of human physical fitness discovered by targeted metabolomics
- Clinical Metabolomics Copenhagen 2021
- Certified labs
- Metabolite of the Month: Trimethylamine oxide (TMAO)

### Focus articles

- Metabolomics can help identify root causes of hypertension
- Irritable bowel syndrome linked to distinct metabolic profile
- Proton pump inhibitor use on development of cardiovascular diseases

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### Virtual event: Biomarkers of human physical fitness discovered by targeted metabolomics

September 22, 2021, 3 pm CET (9 am EST)

Fitness, aging, ethnicity, nutrition, and microbiome analyses would benefit from upscaling the number of individuals involved. This could be achieved by meta-studies based on multicenter standardized targeted metabolomics assays. To facilitate this approach, Prof. Adamski and colleagues recently launched an international ring trial of the biocrates MxP® Quant 500 assay to empower standardization, quality assurance, reproducibility, and data interpretation.

[Registration](#)

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### Clinical Metabolomics Copenhagen 2021

August 26-27, 2021

Join biocrates at the Clinical Metabolomics Copenhagen 2021 virtual conference. Dr. Alice Limonciel will discuss the role of „Metabolomics in the context of the gut-brain axis". We look forward to seeing you there.

This event, aims to bring together world leaders in the field of metabolomics with about 30 speakers including Marta Cascante, Jules Griffin, David Wishart, Maria Klapa, Gabi Kastenmüller, Claire O'Donovan, Lorraine Brennan, Anne Bendt, Alice Limonciel, and many more.

[Event site](#)

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### Certified labs

Want your lab to become an official biocrates partner?

biocrates introduces its first certified laboratory partnership program for experienced laboratories and core facilities. This partnership is a great opportunity to promote quantitative, reproducible metabolomics studies while increasing exposure, utilization, and revenue for the certified laboratories. Qualified laboratories are encouraged to contact biocrates about applying for certification status.

[Contact us for more information](#)

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### Metabolite of the Month

Trimethylamine oxide (TMAO)

In this section, our scientists look at one specific metabolite each month. Topics of discussion include the biosynthesis of the metabolite, fate and its role or behavior in health and/or disbalanced states. In this month's article, we took a closer look at Trimethylamine oxide (TMAO), which has been suggested to be a "bad" metabolite.

[Read article](#)

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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](#).

#### Cardiomet. disease

Metabolomics can help identify root causes of hypertension

[Sounds interesting](#)

#### Gastroenterology

Irritable bowel syndrome linked to distinct metabolic profile

[Sounds interesting](#)

#### Pharmacology

Proton pump inhibitor use on development of cardiovascular diseases

[Sounds interesting](#)