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2 Postdoctoral Positions in Mass Spectrometric Chemical Biology, Microbiome metabolism and Metabolomics for Biomarker Discovery.

Project These postdoctoral positions in mass spectrometric chemical biology and metabolomics for microbiome investigation are available in the laboratory of Associate Professor Daniel Globisch. The Globisch laboratory is an international and multidisciplinary research group with a research focus on the development of new methodologies to enhance the scope of quantitative and qualitative metabolomics-based research to simplify the discovery of disease-specific small molecule biomarkers in human samples (Example literature: *Angew. Chem. Int. Ed.* **2021**, *60*, 23232-23240; **2020**, *59*, 14342; **2018**, *57*, 13805; 2021; *Chem. Sci.* **2018**, *9*, 6233; *Proc. Natl. Acad. Sci. U. S. A.* **2013**, *110*, 4218). This highly interdisciplinary project will include newly developed techniques at the interface of Chemistry and Biology with a combination of metabolomics-based analysis, mass spectrometric analysis of metabolites in biological samples, metabolic pathway analysis, and Chemical Biology techniques. Our team is currently searching for a highly motivated and enthusiastic postdoctoral researchers with passion and enthusiasm for science to support our ongoing interdisciplinary research projects to identify metabolic biomarkers and elucidate microbiome metabolism using mass spectrometry-based metabolomics.

Required Qualifications. The applicants must hold a PhD degree and should have expertise in at least three of the following areas: Chemical Biology, Organic Chemistry, Microbiology, and mass spectrometric analysis of metabolites. Good English speaking, reading and writing skills are required. Highly motivated and enthusiastic candidates interested in interdisciplinary research with strong interpersonal skills are preferred.

Applications must be submitted electronically at the links below and contain:

- Motivation letter with research expertise and one paragraph on recent developments in mass spectrometric Chemical Biology, metabolomics or microbiota metabolism
- Curriculum Vitae, publication list and university transcripts
- Contact information for at least two references

Apply here: <https://www.uu.se/en/about-uu/join-us/details/?positionId=553811>

Application deadline: November 18th 2022.

Contact: **Associate Professor Daniel Globisch**

More Information:

<https://www.kemi.uu.se/bmc/research/analytical-chemistry/research-groups/globisch-group>