



Leibniz-Institut für Analytische
Wissenschaften – ISAS – e.V.

Dortmund & online

COLLOQUIUM

MS-based targeted protein quantification in laboratory medicine

Speaker:

Prof Dr med Peter Findeisen, is Specialist in Laboratory Medicine and Head of Laboratory Diagnostics at MVZ Labor Dr Limbach & Kollegen eGbR, Heidelberg.

Time:

Thursday, July 10, 2025 – 1 pm

Venue:

ISAS Campus, Lecture Hall
Otto-Hahn-Straße 6b
44227 Dortmund

&

WebEx: <https://t1p.de/jl6kc>

Meeting-ID: 2787 989 9759

Password: K7672TtBefa

Abstract

The mass spectrometric quantification of low-molecular substances has long been established in medical diagnostic laboratories. Examples of this include therapeutic drug monitoring, the analysis of steroid hormones and metabolites as well as toxicological screening. In contrast, high molecular weight substances such as proteins are rarely analysed routinely in medical laboratories. The reasons for this are manifold and will be presented in the lecture together with possible solutions. Using selected examples such as the determination of apolipoproteins, the advantages and disadvantages of MS-based and immunological analysis methods will be discussed. Finally, an outlook on the possible future integration of MS-based protein quantification in medical laboratories will be given.