

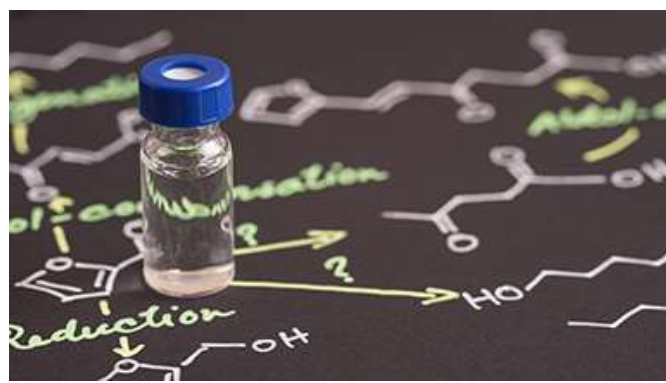
**Dipartimento di Biotecnologie e Bioscienze – UNIMIB**

Thursday, May 4, 2023, 4:30 p.m., BIOS building, room U3-08 / Webex

# Mass spectrometry in the “omics” era

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**Abstract:** Originally designed for measuring isotope abundances and elemental masses, mass spectrometry (MS) is now one of the key analytical technologies on which the “-omics” approaches are based. Thanks to instrumental advances in ion formation, ion detection, resolution, and interfaces with separation technologies, MS instruments have evolved to be smaller, faster, and even more sensitive, leading to a wider MS application in biology. Indeed, their versatility allows the detection and quantitation of thousands of proteins and biologically active metabolites from different samples. This seminar will cover the challenges of global and targeted MS approaches in proteomics and metabolomics.

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