

## Dipartimento di Biotecnologie e Bioscienze – UNIMIB

venerdì 29 aprile, 2022, ore 15:00, aula U3-04 / Webex

# Discovery of novel bioactive compounds: combining organic synthesis and natural sources screening through the exploitation of advanced bioorganic and analytical techniques

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**Abstract:** The identification of bioactive molecules is an urgent biomedical need.

Despite being neglected for a while, natural compounds are again a fundamental source of chemical diversity to be explored for the identification of healthy ingredients or templates for synthetic analogues with pharmacological and preventive potentials. The renaissance of natural compounds in drug discovery mainly lies on recent advances in technological approaches overcoming the challenges related to the identification of hit compounds in complex mixtures.

In this talk, our experimental approaches and tools applied to the discovery of bioactive compounds will be discussed and recent examples will be reported.

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