



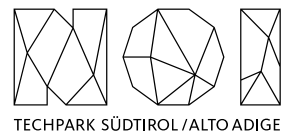
COMPUTATIONAL MULTIOMICS: FROM BIG DATA TO INSIGHTS

16.05.2024 | 08:30 – 13:00

NOI TECHPARK, SEMINAR ROOM 1

Big data for food, agriculture and health: thanks to rapid technological advances in areas such as sequencing, mass spectrometry and imaging, it is now possible to generate large and multi-layered data sets that capture multiple aspects of biological systems, collectively known as “multiomics”.

The use of these datasets has significant potential in both research and product development and is attracting increasing attention also in South Tyrol. With the Computational Multiomics Symposium, to which we cordially invite you, we are taking an important step: for the first time, we are bringing together researchers from different fields and industrial partners to promote exchange and collaboration on current developments and challenges in multiomics data analysis and application.



TECHPARK SÜDTIROL / ALTO ADIGE

PROGRAMME

08:30 **Admission & Registration**

09:00 **Welcome**

NOI Techpark, Food & Health

09:15 **Proteomics in Agriculture, Food, and Health Science**

Alberto Ceccon, Laimburg Research Centre

09:30 **Mirnagreen: Pioneering Plant miRNA Applications
for Plant/Animal/Human Health**

Matteo Faè, Mirnagreen

09:45 **Advancing Nutrition and Health Research through Multiomics**

Essi Hantikainen, Eurac Research

10:00 **Antimicrobial Resistance Surveillance: Genomic Approaches from a
One Health Perspective**

Irene Bianconi, SABES

10:15 **The Landscape of Gene Expression in Chronic Myeloid Leukaemia**

Paola Lecca, Free University of Bozen-Bolzano

10:30 **A Scalable and Expandable Software Ecosystem for Large-
Scale Metabolomics Data Analysis**

Johannes Rainer, Eurac Research

10:45 **Coffee Break and Networking**

11:15 **KEYNOTE: Human Metagenomics: From Bench to Bedside**

Nicola Segata, University of Trento, CIBIO

11:45 **Roundtable: Multiomics in South Tyrol**

12:45 **Closing**

The event will be held in English without simultaneous translation.
Participation is free of charge.

REGISTRATION

Please register [here](#) by 14.05.2024.

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