

SEMM Workshop
“The Proteomics Revolution: Advancing Science and Society”
June 29 – July 1, 2026
Quark Hotel, Milan, Italy

JUNE 29, 2026

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| h. 09.00 – 10.30 | <i>Registration</i> |
| h. 10.30 – 10.40 | Opening remarks by Tiziana Bonaldi , <i>University Statale of Milan and European Institute of Oncology (IEO), Milan, Italy</i> |
| h. 10.40 – 10.50 | Welcome remarks by Marina Brambilla , <i>University Rector, University Ca’ Grande-La Statale of Milan Rector</i> |
| h. 10.50 – 10.55 | Introduction to Young Proteomics Investigator Club (YPIC) by Marie Chion |
| h. 10.55 – 11.00 | Introduction to Females in Mass Spectrometry (FeMS) by Valentina Siino |

Session 1: PROTEOMICS IN HEALTH AND DISEASES: from Biomarkers to Mechanisms and Therapies

Chairs: Sara Zanivan and Early Career TBD

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| h. 11.00– 11.05 | Session Introduction by the chairs |
| h. 11.05– 11.35 | Jennifer Van Eyk , <i>Cedars-Sinai - Los Angeles, United States</i>
Defining iPSC Proteomes as a Framework for Neurological Disease Modeling |
| h. 11.35 – 11.50 | Short Talk |
| h. 11.50– 12.20 | Javier Muñoz <i>CNIO - Madrid, Spain</i>
Thermal Stability Profiling as a Tool to Decipher Functional Impacts of Protein Methylation |
| <i>h. 12.20 – 13.30</i> | <i>Lunch break</i> |
| h. 13.30 – 14.00 | Tami Geiger , <i>Weizmann Institute of Science - Rehovot, Israel</i>
Multi-Omic Integration in Cancer Biology: Decoding Protein-RNA Variants in Clinical Tumor Analyses |
| h. 14.00 – 14.15 | Short Talk |

- h. 14.15 – 14.45 **Kelly E. Stecker**, *Utrecht University - Utrecht, The Netherlands*
Mapping Signaling Dynamics in Tumor-T Cell Interactions
- h. 14.45 – 15.00 Short Talk
- h. 15.00 - 15.30 **Matthias Mann**, *Max Planck Institute of Biochemistry, Martinsried, Germany*
Next-Generation Proteomics: Revolutionizing Biomedical Research with Ultra-Sensitive Mass Spectrometry
- h. 15.30 – 16.00 **Sponsor space** (5 mins per sponsor)
- h. 16.00 – 16.30 *Coffee break*

PANEL DISCUSSION: BREAKING BARRIERS: Investing in Proteomics Future

Chairs: Marie Chion & Valentina Siino

- h. 16.30 – 16.40 Panel Introduction by the chairs
- h. 16.40 – 16.50 **Jenny Van Eyk**, *Cedars-Sinai - Los Angeles, United States*
- h. 16.50 – 17.00 **Leander van der Hoeven**, *NNF Center for Protein Research, Copenhagen, Denmark*
- h. 17.00 – 17.10 **Maria Rescigno**, *Humanitas University, Humanitas Research Hospital, Pieve Emanuele (MI), Italy*
- h. 17.10 – 17.20 **Albert Heck**, *Utrecht University, Utrecht, The Netherlands*
- h. 17.20 – 17.30 Biobreak*
- h. 17.30 – 17.50 Breakout sessions (20 mins discussion divided into groups)
- h. 17:50 – 18.20 Open discussion (short reporting by each group+discussion)

Night free

JUNE 30, 2026

h. 08.30 - 09.00 Meet the Speakers (moderated by Marie Chion and Leander van der Hoeven, YPIC)

Session 2: SPATIAL PROTEOMICS: Unlocking Spatial Information of Proteomes and their Dynamics in Cells and Tissues

Chairs: Tiziana Bonaldi and Early Career TBD

h. 09.00 – 09.05 Session Introduction by the chairs

h. 09.05 – 09.35 **Kathryn Lilley**, *University of Cambridge - Cambridge, UK*
Spatiotemporal Regulation of the Proteome: System-Wide Analyses of RNA and Protein Localization Dynamics

h. 09.35 – 09.50 Short Talk

h. 09.50– 10.20 **Fabian Coscia**, *Max Delbrück Center for Molecular Medicine, Berlin, Germany*
High-Resolution Spatial Proteomics: Integrating Laser Microdissection and Ultrasensitive Mass Spectrometry for Tissue-Specific Protein Mapping

h. 10.20 – 10.35 Short Talk

h. 10.35 – 11.00 Coffee break

h. 11.00– 10.30 **Anne-Claude Gingras**, *Lunenfeld-Tanenbaum Research institute - Toronto, Canada*
Mapping Cellular Interactomes: Proximity-Dependent Biotinylation Strategies for System-Wide Protein Network Analysis

h. 11.30 – 11.45 Short Talk

h. 11.45 – 12.00 Flash Talks (3 minutes per speaker)

h. 12.00 – 13.30 Poster Session

h. 13.30 – 14.30 Lunch break

Session 3: DECODING CELLULAR SIGNALING: Insights from Proteomics

CHAIRS: Chiara Francavilla and Early Career TBD

h. 14.30 – 14.35 Session introduction by the chairs

h. 14.35 – 15.05 **Charo Maria Robles**, *Ludwig Maximilians Universität - München, Germany*
Spatiotemporal proteomics mapping of chromatin-associated complexes regulating tissue-specific circadian function

h. 15.05 – 15.20	Short Talk
h. 15.20 – 15.50	Marco Hein , <i>Max Perutz Labs, Wien, Austria</i> Subcellular Proteome Dynamics: Global Profiling of Organelle Remodeling in Health and Disease
h. 15.50 – 16.05	Short Talk
<i>h. 16.05 – 16.25</i>	<i>Coffee break</i>
h. 16.25 – 16.55	Petra Beli , <i>Institute of Molecular Biology - Mainz, Germany</i> Ubiquitin Signaling in Genome Stability: Deciphering K6-Linked Ubiquitylation of RNA-Protein Crosslinks Induced by Formaldehyde Exposure
h. 16.55 – 17.10	Short Talk
h. 17:10 – 17:40	Angela Bachi , <i>IFOM ETS The AIRC Institute of Molecular Oncology - Milan, Italy</i> Proteomics unveils BACE2 as a lipid gatekeeper in cancer
<i>h. 17.40 – 17:45</i>	<i>Biobreak</i>
PANEL DISCUSSION: EMPOWERING THE NEXT GENERATION: The Future of Proteomics Careers Chairs: Marie Chion & Valentina Siino	
h. 17.45 – 17.55	Panel Introduction by the chairs
h. 17.55 – 18.05	Isabel Cabruja , <i>Thermo Fisher Scientific, Milan, Italy</i>
h. 18.05 – 18.15	Fabian Coscia , <i>Max Delbrück Center, Berlin, Germany</i>
h. 18.15 – 18.25	Mara Monetti , <i>Memorial Sloan Kettering Cancer Center, New York, US</i>
h. 18.25 – 18.35	Benjamin Garcia , <i>Washington University School of Medicine, St. Louis, US</i>
h. 18.35 – 18.45	Chiara Segre' , <i>Umberto Veronesi Foundation, Milan, Italy</i>
<i>h. 18.45 – 18.55</i>	<i>Biobreak</i>
h. 18.55 – 19.15	Breakout sessions (20 mins discussion divided into groups)
h. 19:15 – 19.45	Open discussion (short reporting by each group)
h. 20.30	Social Dinner

JULY 1, 2026

h. 08.30 - 09.00 Meet the Speakers (moderated by Marie Chion and Leander van der Hoeven, YPIC)

Session 4: THE PROTEOMICS REVOLUTION: Technological Innovation & Computational Advancements

Chairs: Albert Heck and Early Career TBD

h. 09.00 – 09.05 Session introduction by the chairs

h. 09.05 – 09.35 **Richard Scheltema**, *University of Liverpool, Liverpool, UK*
Improving Accuracy in DIA-based Clinical Proteomics Through Benchmarking and Post-Hoc Validation Tools

h. 09.35 – 09.50 Short Talk

h. 09.50 – 10.20 **Olga Vitek** *Khoury College of Computer Sciences, Northeastern University, Boston, US*
Open-Source Innovations in Mass Spectrometry Imaging: Cardinal v.3 for Versatile Tissue Analysis

h. 10.20 – 10.35 Short Talk

h. 10.35 – 11.00 Coffee break

h. 11.00– 11.30 **Lisa Schweizer**, *OmicVison Biosciences - Copenhagen, Denmark*
Tissue-Specific Proteomic Signatures in Severe COVID-19: Beyond Inflammatory Responses

h. 11.30 – 11.45 Short Talk

h. 11.45 – 12.15 **Ben Garcia**, *Washington University School of Medicine, St. Louis, US*
Quantitative Proteomics for Understanding Epigenetics Mechanism

ROUNDTABLE: Biases in (Proteomics) Experimental Design in Basic Science and Medicine

Chair: Susanna Chiocca (IEO)

h. 12:15 – 13.30 Open discussion with
Andrea Isidori, *Sapienza University of Rome, Rome, IT*
Michela Matteoli, *Humanitas University, Rozzano (MI), IT*
Annamaria Cattaneo, *La Statale Unviersity, Milan, IT*
Fabio Conforti, *Humanitas University, Pieve Emanuele (MI), IT*

h. 13.30 – 13.45 **Closing remarks by Sara Zanivan & Tiziana Bonaldi** and lunch package