

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

**JUNE 29, 2026**

- h. 09.00 - 10.00*      *Registration*
- h. 10.00 - 10.15*      **Opening remarks by Tiziana Bonaldi**, *University Statale of Milan and European Institute of Oncology (IEO), Milan, Italy* & **YPIC&FeMS introduction**
- h. 10.15 - 10.25*      **Welcome remarks by Marina Brambilla**, *Rector, University La Statale of Milan, Milan, Italy*

**Session 1: PROTEOMICS IN HEALTH AND DISEASES: from Biomarkers to Mechanisms and Therapies**  
**Chairs: Sara Zanivan and Roberta Noberini**

- h. 10.25 - 10.30*      Session Introduction by the chairs
- h. 10.30 - 11.00*      **Jennifer Van Eyk**, *Cedars-Sinai - Los Angeles, United States*  
Defining iPSC Proteomes as a Framework for Cardiology and Neurological Disease Modeling
- h. 11.00 - 11.15*      **Giulia Franciosa**, *University of Copenhagen - Copenhagen, Denmark*  
The Proteomics and Phosphoproteomics Landscape of Melanoma Under T Cell Attack
- h. 11.15 - 11.45*      **Javier Muñoz Peralta**, *Biobizkaia Health Research Institute, Bilbao, Spain*  
Defining the Reference Proteomes for Small Extracellular Vesicles and Non-vesicular Components
- h. 11.45-12.25**      **Flash talks**
- h. 12.25 - 13.20*      *Lunch break*
- h. 13.20 - 13.50*      **Tami Geiger**, *Weizmann Institute of Science - Rehovot, Israel*  
Multi-Omic Integration in Cancer Biology: Decoding Protein-RNA Variants in Clinical Tumor Analyses

- h. 13.50 - 14.05 **Clarissa Braccia**, *Ospedale San Raffaele - Milan, Italy*  
Proteomic Profiling to Investigate the Effects of HDAC8 Inhibition Combined to the Activation of Sirtuin1 in a Zebrafish Model of Duchenne Muscular Dystrophy
- h. 14.05 - 14.35 **Kelly E. Stecker**, *Utrecht University - Utrecht, The Netherlands*  
Mapping Signaling Dynamics at the Tumor–Immune Cell Interface
- h. 14.35 - 14.50 **Gianluca Sigismondo**, *Heidelberg University Hospital and German Cancer Research Center - Heidelberg, Germany*  
Advanced Proteomics of Brain Tumors - from Biomarker Discovery to translational Medicine
- h. 14.50 - 15.20 **Matthias Mann**, *Max Planck Institute of Biochemistry - Martinsried, Germany*  
Next-Generation Proteomics: Revolutionizing Biomedical Research with Ultra-Sensitive Mass Spectrometry
- h. 15.20 - 16.05 **Sponsors' Talks**
- h. 16.05 - 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 **Jennifer Van Eyk**, *Cedars-Sinai - Los Angeles, United States*
- h. 16.50 - 17.00 **Leander van der Hoeven**, *University of Copenhagen - Copenhagen, Denmark*
- h. 17.00 - 17.10 **Maria Rescigno**, *CeMM, Wien, Austria and Humanitas University, Humanitas Research Hospital, Pieve Emanuele (MI), Italy*
- h. 17.10 - 17.20 **Albert Heck**, *Utrecht University, Utrecht, The Netherlands*
- h. 17.20 - 18.00 Q&A session and open 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 Michele Costanzo

h. 09.00 - 09.05 Session Introduction by the chairs

h. 09.05 - 09.35 **Kathryn Lilley**, *University of Cambridge - Cambridge, United Kingdom*  
Cell-wide Orchestration by RNA and Protein Relocalization

h. 09.35 - 09.50 **Lucia Santorelli**, *TIGEM - Telethon Institute of Genetics and Medicine - Pozzuoli, Italy*  
ER Integrated Linear and Cross-linking Proteomics Resolves ORF Function and PPI Dynamics

h. 09.50 - 10.20 **Fabian Coscia**, *Max Delbrück Center for Molecular Medicine, Berlin, Germany*  
Decoding Tissue Architecture Through Multiscale Spatial Proteomics

h. 10.20 - 10.35 **Katrin Stuber**, *University of Copenhagen - Copenhagen, Denmark*  
Proteomics of Neuroinflammatory Signalling: Illuminating Cellular Mechanisms Driving Neurodegenerative Diseases

*h. 10.35 - 11.00 Coffee break*

h. 11.00 - 11.30 **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 **Daniele Musiani**, *European Institute of Oncology, IEO - Milan, Italy*  
Integrated Proteomic and Phosphoproteomic Profiling of FFPE HR+/HER2- Metastatic Breast Cancer Reveals Molecular Heterogeneity Under CDK4/6 Inhibition

**h. 11.45 - 13.15 Poster Session**

*h. 13.15 - 14.15 Lunch break*

### Session 3: DECODING CELLULAR SIGNALING: Insights from Proteomics

CHAIRS: Chiara Francavilla and Chiara Provasi

- h. 14.15 - 14.20      Session introduction by the chairs
- h. 14.20 - 14.50      **Maria Robles**, *Ludwig Maximilians Universität - München, Germany*  
Spatiotemporal Proteomics Mapping of Chromatin-associated Complexes Regulating  
Tissue-specific Circadian Function
- h. 14.50 - 15.05      **Enrico Massignani**, *VIB - Ghent University - Ghent, Belgium*  
MoDPA: Inferring Modification-Dependent Protein Associations from Mass  
Spectrometry Data
- h. 15.05 - 15.35      **Marco Hein**, *Max Perutz Labs - Wien, Austria*  
Subcellular Proteome Dynamics: Global Profiling of Organelle Remodeling in Health  
and Disease
- h. 15.35 - 15.50      **Valeria Bica**, *Fondazione Telethon Ets - Rome, Italy*  
Integration of Immunopeptidomics and Phosphoproteomics: from Kinase Control to  
Antigen Presentation
- h. 15.50 - 16.20      **Petra Beli**, *Institute of Molecular Biology - Mainz, Germany*  
Regulation of Cellular Stress Responses by Phosphorylation and Ubiquitylation
- h. 16.20 - 16.45      Coffee break*
- h. 16.45 - 17.00      **Lorenzo Calviello**, *Fondazione Human Technopole, Milan, Italy*  
Accelerating Discovery and Integration from RNA to Protein with R2T2P
- h. 17.00 - 17.30      **Angela Bachi**, *IFOM ETS The AIRC Institute of Molecular Oncology - Milan, Italy*  
Proteomics Unveils BACE2 as a Lipid Gatekeeper in Cancer

*h. 17.30 - 17:40      Biobreak*

### PANEL DISCUSSION: EMPOWERING THE NEXT GENERATION: The Future of Proteomics Careers

Chairs: Valentina Siino & Leander van der Hoeven

- h. 17.40 - 17.50      Panel Introduction by the chairs
- h. 17.50 - 18.00      **Isabel Cabruja**, *Thermo Fisher Scientific - Milan, Italy*
- h. 18.00 - 18.10      **Fabian Coscia**, *Max Delbrück Center - Berlin, Germany*

- h. 18.10 - 18.20 **Mara Monetti**, *Memorial Sloan Kettering Cancer Center - New York, United States*
- h. 18.20 - 18.30 **Benjamin Garcia**, *Washington University School of Medicine - St. Louis, United States*
- h. 18.30 - 18.40 **Chiara Segre'**, *Umberto Veronesi Foundation - Milan, Italy*
- h. 18.40 - 19.20 *Q&A session and open discussion*
- h. 20.30** **Social Dinner**

## JULY 1, 2026

- h. 08.30 - 09.00 Meet the Speakers (moderated by Marie Chion, Leander van der Hoeven and Paola Fulghieri)
- h. 09:00 - 09:40** **Open Discussion: Biases in (Proteomics) Experimental Design in Basic Science and Medicine**  
 Chair: Susanna Chiocca (IEO)  
 Michela Matteoli, *Humanitas University, Rozzano (MI), Italy*  
 Annamaria Cattaneo, *La Statale University, Milan, Italy*

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

Chairs: Albert Heck and Marie Chion

- h. 09.40 - 09.45 Session introduction by the chairs
- h. 09.45 - 10.15 **Richard Scheltema**, *University of Liverpool - Liverpool, United Kingdom*  
 Improving Accuracy in DIA-based Clinical Proteomics Through Benchmarking and Post-Hoc Validation Tools
- h. 10.15 - 10.30 **Marian Kalocsay**, *The University of Texas MD Anderson Cancer Center - Houston, United States*  
 Quantitative Proteomics Reveals Tunable Signaling States of the PD-1 Immune Checkpoint Using Programmable Cyclic Peptide Ligands
- h. 10.30 - 11.00 **Olga Vitek** *Khoury College of Computer Sciences, Northeastern University - Boston, United States*  
 Open-Source Innovations in Mass Spectrometry Imaging: Cardinal v.3 for Versatile Tissue Analysis

- h. 11.00 - 11.15      **Louisa Grauvogel**, *Max Planck Institute of Biochemistry - Planegg, Germany*  
Building a Pan-viral Interactome Using High-throughput AP-MS
- h. 11.15 - 11.40      **Coffee break***
- h. 11.40 - 12.10      **Lisa Schweizer**, *OmicVision Biosciences - Copenhagen, Denmark*  
The Molecular Roadmap of Advanced Pancreatic Cancer: Insights from Spatial Proteomics
- h. 12.10 - 12.25      **Anna Jarzab**, *Hirsfeld Institute of Immunology and Experimental Therapy - Poli, Poland*  
Bacterial Meltome Atlas as a Tool for Assessing the Impact of Febrile Temperatures on Bacterial Proteins Denaturation
- h. 12.25 - 12.55      **Benjamin Garcia**, *Washington University School of Medicine - St. Louis, United States*  
Quantitative Proteomics for Understanding Epigenetics Mechanism
- h. 12:55 - 13:10      **Prizes and Awards**
- h. 13.10 - 13.20      **Closing remarks by Sara Zanivan & Tiziana Bonaldi and lunch package**