



PROGRAM FALL MEETING

November 19, 2025, Groningen

Morning

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- 09.30-10.00 **Coffee and Registration**
- 10.00-10.20 Karin Wolters, University Medical Center Groningen
Insights into Pathogenic Mechanisms and Biomarkers for Prognosis and Monitoring of Glycogen Storage Disease Type
- 10.20-10.40 Berdien van Olst, Delft University of Technology
Uncovering the Structural Proteome in Granular Biofilms through Metaproteomics
- 10.40-11.00 Christel Kuik, Maastricht University
Structural Identification of Quorum Sensing Metabolites in Pseudomonas aeruginosa using Tandem Mass Spectrometry and Ion Mobility Spectrometry in MALDI-MSI.
- 11.00-11.30 **Coffee / Poster Session Even numbers**
- 11.30-11.50 Joost Snijder, Utrecht University
Recent Advances in Antibody Sequencing by Bottom-up Proteomics
- 11.50-12.35 Diversity, Equity and Inclusion (DEI) in the Dutch MS community; Panel Discussion on the NVMS Survey – yNVMS and FeMS
- 12.35-13.45 **Lunch and posters**
12.05-13.25 Poster Session **odd numbers**
13.25-13.45 Posters Session **even numbers**

Afternoon

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- 13.45-14.05 Redouan Anaia, University of Groningen
Glycosylation of Monoterpenols in Grapevine Leaves upon Oregano Essential Oil Vapour Pre-treatment Alleviates Downy Mildew Susceptibility
- 14.05-14.25 Fabiana Di Gianvincenzo, University of Amsterdam
Assessing the Condition of Wax-Resin Lining of Canvas Paintings using SPME-GC-MS and Py-GC-MS
- 14.25-14.45 Kas Houthuis, VU Amsterdam | **Travel Award Winner**
Addressing Matrix Effects in Microplastic Quantification with Pyrolysis-GC-cIMS-HRMS
- 14.45-15.30 **Coffee /Poster Session Odd numbers**
- 15.30-15.50 Elena Giaretta, Utrecht University
High-Field Orbitrap-Based CDMS Improves Signal-to-Noise Allowing the Analyses of Individual, Singly-charged Ions
- 15.50-16.10 Andrea Istrati, VU Amsterdam
From Preparation to Insight: Workflow Optimization for Native Mass Spectrometry of Amyloid- β
- 16.10-16.30 Sylvia Roovers-Genet, Eindhoven University of Technology
Overcoming Challenges in Protein Tumor Marker Quantification: A Path Towards Harmonization with LC-MS/MS
- 16.30-16.50 Jeroen Kooistra, Byondis
Differentiation of Masked and Demasked Antibody Fractions via N-Terminal Dimethylation and LC-MS
- 16.50-17.00 Closure + poster award(s)
- 17.00-17.45 **Drinks**



NEDERLANDSE VERENIGING VOOR MASSASPECTROMETRIE

POSTERS

Presenter, affiliation

Poster title

- 1 **Anabel Torrente López, Leiden UMC**
Comprehensive Characterization of Bacterial Glycoconjugates Vaccines by Liquid Chromatography – Mass Spectrometry
- 2 **Annika van der Zon, University of Amsterdam**
Hydrophilic Interaction Chromatography HRMS with Acrylamide Monolithic Columns: A Novel Approach for Intact Antibody Glycoform Characterization
- 3 **Ariadni Geballa-Koukoulou, VU Amsterdam**
Decoding Oligomerization: Structural Snapshots of hIAPP Aggregation Under Near Physiological Conditions
- 4 **Chuck van der Veen, VU Amsterdam**
Dissection of Proteoforms via Native Liquid Chromatography Coupled to Ion Mobility - Mass Spectrometry
- 5 **Cynthia Kelley, Utrecht University**
Mass-based Characterization of Soluble Flavivirus E Protein
- 6 **David Tabb, University Medical Center Groningen**
Assessing Quality in Data-Independent Acquisition Proteomes
- 7 **Fan Yang, UMC Groningen**
Identifying Molecular Pathways of Sinonasal Mucosal Melanoma for Improved Personalized Treatment
- 8 **Federica Nardella, VU Amsterdam**
IonRocket-DART-HRMS for Rapid Characterization and Quantification of Micro- and Nanoplastics
- 9 **Jitske van Ede, Delft University of Technology**
Profiling the Activated Sugar Repertoire in Microbes with Narrow-Mass-Window DIA
- 10 **Jordan Zwerwer, University Medical Center Groningen**
Development of an Untargeted Hydrophilic Interaction Chromatography-High Resolution Mass Spectrometry Metabolomics Method for Biomarker Discovery in Mucopolysaccharidoses
- 11 **Lapo Renai, University of Amsterdam**
Understanding PFAS Exposure: Wide Suspect Screening Reanalysis of High-resolution Mass Spectrometry Data from Exposomics Studies
- 12 **Lara van Tetering, HFML-FELIX, Radboud University**
Structural Characterization of Mobility-Selected Ions with Infrared Ion Spectroscopy
- 13 **Marissa Strumolo, University of Southern California**
Determination of Solutes of Bulk Material Dissolution in Thiol-amine Solvent Mixtures
- 14 **Mirjam Balbisi HUN-REN Research Centre for Natural Sciences**
Proteomic, N-Glycoproteomic and Chondroitin-Sulfate Profiling of A549 and BEAS-2B Cell Line-Derived Small Extracellular Vesicles
- 15 **Pascal Deenekamp, Radboud University**
Evaluating Potential Odor Effects of Circular Feed in Poultry Production through Complementary Mass Spectrometry Techniques (TD-GC-MS and PTR-ToF-MS)
- 16 **Raya Sadighi, VU Amsterdam**
Stabilizing Proteins by Chemical Cross-Linking: Insights into Conformation, Unfolding, and Aggregation using Native Ion Mobility Mass Spectrometry
- 17 **Redouan Adam Anaia, University of Groningen**
Breeding 4.0: Leveraging Paired Omics and Nested Association Mapping to Design Future-Proof, Resilient Medicago Sativa Cultivars
- 18 **Sjors Bakels, VU Amsterdam**
The MS-LaserLab: Combining Action Spectroscopy, Ion Mobility and Mass Spectrometry to Study (Native) Biomolecules
- 19 **Stefan van Teijlingen, University of Groningen**
Benchmarking Single-Cell Proteomics Data Analysis Workflows for Standardized Data Analysis
- 20 **Vera Helmonds HFML-FELIX, Radboud University**
Elucidation of Estrogens Diagnostic Fragment Ion Structures in Mass Spectrometry using Infrared Ion Spectroscopy
- 21 **Viviana Mărgărit, University of Groningen**
Chemotherapy Resistance in Large B-cell Lymphoma: A Proteomic Perspective
- 22 **Xue Yu, Utrecht University**
Improving N-Glycoproteomic Profiling through Optimized Mass Spectrometry Acquisition Parameters
- 23 **Yasmin van der Velden, Leiden University Medical Center**
Structural Characterization of Intact Polysaccharides by MALDI In-Source Decay FTICR Mass Spectrometry
- 24 **Yue Li, Leiden University Medical Center**
Fc Profiling of Polyclonal IgG, IgA and IgM by Light Chain Capturing Coupled with nanoRP-LC-MS



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