



# NEDERLANDSE VERENIGING VOOR MASSASPECTROMETRIE

## YEARLY REPORT 2024

### 1. Secretary

Dr. Cillero Pastor, Maastricht University. Contact: [info@nvms.nl](mailto:info@nvms.nl)

### 2. Membership

The number of members of the Dutch Society for Mass Spectrometry (NVMS) on 31<sup>st</sup> December 2024 was 1022.

### 3. Board

During the reporting year, the composition of the NVMS board was as follows: Anouk Rijs (chair), Isabelle Kohler (secretary), Bram Snijders (treasurer), Eef Dirksen (program), Guinevere Lageveen-Kammeijer (program), Pieter Langerhorst (young NVMS) and Martin Pabst (PR). Berta Cillero Pastor took over from Isabelle Kohler in November 2024.

### 4. Board meetings

The board held regular meetings on the second Monday of each month. Minutes were taken during these meetings.

### 5. General assembly

The general assembly on the 2023 activities was held on 30<sup>th</sup> April 2024 during the NVMS/BSMS Rolduc2024 meeting. An extra general assembly was held on 11<sup>th</sup> November 2024 during the NVMS Fall Symposium in Danone to install Berta Cillero Pastor at the NVMS board as secretary.

## 6. Website

The NVMS maintains its own domain, [www.nvms.nl](http://www.nvms.nl), and can be contacted via email at [info@nvms.nl](mailto:info@nvms.nl). The website is designed to broaden its reach and improve accessibility for members, supported by social media platforms such as Bluesky (transferred from X), LinkedIn, and a YouTube channel. It features updates on events, job openings, and includes details about the board members, contact information, and annual sponsors.

## 7. Activities of the past year

### 7.1. Rolduc

From April 28-30, we hosted the [5<sup>th</sup> NVMS/BSMS Rolduc 2024 conference on mass spectrometry](#) at the Rolduc Abbey. We had a great time with inspiring keynote lectures, over 30 contributed talks, and more than 70 engaging poster and flash presentations with a total number of 203 participants. We would like to thank all sponsors: PerkinElmer, Thermo, MSVision, Waters, Knalier, YMC, Bruker, Agilent, Ionbench, Interchim, Evosep, Biosolve, MSWil, RE-FEYN, Mobilion, Sciex, Shimadzu, ROMIL, DSM-Firmenich, PCCP, IMSF.

### 7.2 Fall meeting

The NVMS Fall meeting was organized at Danone (Utrecht) on 11<sup>th</sup> November 2024 with a fantastic program consisting of 10 oral presentations and 27 posters with 108 registration (<https://www.danonerresearch.com/nvms-event-at-danone-research-center-convening-experts-in-mass-spectrometry/>).

### 7.3 Annual Sponsors

To fund the NVMS activities such as the NVMS conference fund, young-NVMS meeting (see below) and to keep registration/participation cost low for our Spring and Fall meetings, we have initiated NVMS annual sponsorship. In the first round we gratefully welcomed MS Vision, MS Wil, DSM-Firmenich, Waters, Shimadzu, Bruker.

### 7.4 Conference fund

The conference stimulation fund ("NVMS Conference Fund"), funded from NVMS reserves, awarded an exceptional number of grants this year to scientists for presenting at a scientific conference. 7 applications were received. The winners are described below:

Kasper Krestensen, Maastricht Multimodal Molecular Imaging Institute (M4i), Molecular profiling of glioblastoma tumour patient-derived single cells using combined MSI and MALDI IHC.

Laura van der Vloet, Maastricht Multimodal Molecular Imaging Institute (M4i), Evaluating the biodistribution of antisense oligonucleotides in brain tissue and its impact on biological pathways using mass spectrometry imaging.

Joshua Maliepaard, Utrecht University, Towards MS-based identification and quantification of glycopeptide isomers.

Shelley Jager, Utrecht University, High-Quality Human Plasma N-Glycoproteomics on a ZenoTOF using optimized combinations of CID and electron activated dissociation (EAD).

### 7.5 Young investigators

During the reporting year, the composition of the young NVMS board was as follows: Pieter Langerhorst (Chair), Christel Kuik (Treasurer), Ariadni Geballa-Koukoula (PR/Outreach), Lidia Molina Milan (Program Organization). New members will be recruited in Q2 2025 due to the retirement of Due to Lidia and Ariadni from the board.

The young-NVMS (yNVMS) initiative is based on three pillars: community, education and outreach.

Our first goal was to build a vibrant and inclusive community of young MS scientists in the field. To this end, we started with recruiting registrations for events and to build a community.

- Close to 100 registered yNVMS members for the major universities and research institutes.
- Young-NVMS LinkedIn page, with over 200 followers, where we regularly share updates, upcoming events and other relevant information.
- Rolduc2024 conference: Pub Quiz with over 50 young mass spectrometry enthusiasts for both the Belgian and Dutch young MS societies. Additionally, to further strengthen the community, yNVMS events are always followed up by a networking event.
- yNVMS summer workshop: focus on mental health hosted at LUMC. Host: Elena Dominguez Vega. – Tutor: Isabelle Kohler (NextMinds) – “A healthy mind in academia: Myth or Reality” discussing the ins and outs of mental health in academia. Attendance: ~20.  
*This workshop was well received and gave the attendees tips and tricks to aid in their professional development. This activity has led to new connections and a growing circle of young MS scientists that will lead to new collaborations and opportunities.*
- Fall Panel Discussion (2024) at the fall meeting of the NVMS at Danone (Utrecht) – AI and ethics in science and research – panel members: Dr. Magnus Palmblad (LU), Dr. Tess Afansayeva (Sanquin Research), Prof. Peter Horvatovich (RUG).  
*Lively discussion about the details of AI, its applications and implications in scientific research.*
- Winter workshop (2025) – Host: Prof. Anouk Rijs (VU) – tutor: Mariska Wessels – Presenting with impact. *During this workshop ~20 registered young NVMS members were taught the technical background of presenting with impact. This interactive program was useful and aided the attendees to improve their presenting skills.*

#### **Other activities**

- Poster awards

During the fall meeting of the NVMS the yNVMS introduced its poster awards, to highlight young MS researchers in the field. This initiative was received very well and will continue in the next years.

- International collaboration

Together with the German and French young MS communities, we started an international collaboration to foster European wide young MS communities. The first events are being organized, such as an international webinar and satellite events during the IMSC in Lyon in 2026.

### 7.6 New logo

As we celebrate 60 years of NVMS, we designed a new logo—an evolution that honours our legacy while embracing the future. The refreshed design retains familiar elements but introduces a modern gradient drawn from the original blue, symbolizing continuity and innovation.

To subtly Dutch heritage, the logo now includes an artistic interpretation of a mass spectrum derived from tulip petals analysis.



## **8 Closing remarks**

The NVMS is an association that welcomes anyone with an interest in mass spectrometry. Membership to the KNCV or the NNV is not a requirement to join the NVMS.