



**Nederlandse
Biotechnologie
Vereniging**

Yearbook 2025

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NBV yearbook 2025

Twenty-ninth year of publication, May 2025

Official publication by the Dutch Society of Biotechnology, KvK 40398194

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Subscriptions

Members and donors of the NBV receive this yearbook automatically.

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Preface

Dear NBV Members,

2024 marked a special year for the NBV and its ambition to be at the heart of international biotech developments that contribute to today's major societal challenges: health, sustainability, and global food security. It took four more years than initially expected, but the long-awaited event finally took place: the European Congress on Biotechnology (ECB) in Rotterdam, from 30 June to 3 July 2024. And it was well worth the wait!

NBV was closely involved in the organization, in collaboration with the European Federation of Biotechnology (EFB) and the International Union of Pure and Applied Chemistry (IUPAC). The overarching theme of the Congress was *"Grand Challenges for Biotechnology: Health, Food Security, and Global Warming."* NBV played a key role in shaping the scientific program, with a focus on translating cutting-edge research into commercially viable applications. Over 750 participants from around the globe gathered to attend a high-quality and engaging program.

As part of the Congress, NBV organized a highly successful highlight event, which attracted more than 200 attendees. No surprise given the caliber of the keynote speakers: Professor Jack Pronk, recent recipient of the prestigious Novozymes Prize, and Linda Dijkshoorn, finalist for the EY Emerging Entrepreneur Of The Year 2023. Both delivered inspiring talks that resonated strongly with the audience.

During the highlight event, the Zilveren Zandloper Education Prize was awarded to Michiel Michels, Senior Lecturer and Researcher in Biobased Chemistry at Avans University of Applied Sciences. The jury praised Michels for his extensive efforts in improving the quality of education, including the use of gamification to motivate students, and the development of a multidisciplinary minor and Massive Open Online Courses (MOOCs).

To show our appreciation to our members and loyal sponsors, without whom NBV could not organize its successful events, we hosted an exclusive networking event for 100 members and sponsors. We gathered in the historic 'Smoking Room' of the iconic ship SS Rotterdam, resulting in vibrant networking and a great atmosphere. The event further reinforced the strong relationships within our community.

The overarching conclusion of ECB 2024 is that it was a resounding success and firmly positioned NBV on the international map!

In addition, our seven working groups (BioPharma Technology, Food and Biobased Technology, Microbial Biotechnology, Applied Biocatalysis, Young NBV, and Societal Aspects of Biotechnology) remained highly active throughout 2024, each organizing events under the NBV umbrella. Six successful events were held, supported by guidance provided during the annual NBV Strategy Day.

This year also marked the beginning of a collaborative relationship with HollandBio, the industry association for biotech companies in the Netherlands. NBV contributed to the HollandBio event

“Biotechnology for a Sustainable Future,” with a special role played by the working group on Societal Aspects of Biotechnology.

Preparations for our next major event, NBC-25, are already well underway. This conference will take place on Tuesday, 23 September 2025, at the Omnia Congress Centre in Wageningen. We look forward to presenting another outstanding program and bringing together the Dutch biotech community. Two exceptional keynote speakers are already confirmed: Marcel Wubbolts, Chief Technology Officer at Vivici, and Caroline Paul, Associate Professor at TU Delft and recipient of the 2024 KNCV Golden Medal.

In conclusion, 2024 was a vibrant year, full of impactful activities and successful events that boosted NBV’s visibility and contributed to further growth and strengthening of our community.

Warm regards,

Jan Wery

Chairman of the NBV Board

Activities NBV 2024

Here follows an overview of the events that were organised by the NBV during calendar year 2024.

NBV Food & Biobased Technology event 2024

Wednesday 27 March 2024 14:00-18:00

Bodec, Helmond

Biomanufacturing a healthier planet

The NBV workgroup **Food and Biobased Technology** organised their technology event where professionals discuss the latest advancements in biotechnology.

Invited speakers included Prof Dr Jeroen Hugenholtz from NoPalm Ingredients, Mark van Loosdrecht from TU Delft, and Suzanne Klein Schiphorst and Steven De Boer from GEA Group.

Jeroen Hugenholtz, founder of NoPalm, is pioneering for sustainable oil production. His work focuses on locally producing oil without resorting to deforestation, thus offering a more environmentally friendly alternative. By utilizing waste streams such as potato peels, extracted carrots, and other agricultural by-products, he has achieved remarkable results, including a 90% reduction in CO2 emissions and a 99% decrease in land usage compared to traditional palm oil production methods.

Mark van Loosdrecht focuses on converting organic waste streams into valuable products. He emphasizes the transformation of organic waste streams into high-value polymers, since these are easier to recover from the relative diluted wastewater flows. Polymers can be internal storage polymers such as polyhydroxyalkanoates. This material is a bioplastic that can replace current oil-based plastics. Bacteria can also produce extracellular polymers that have polyelectrolyte gel-forming properties. The current challenge is to develop a good value chain from wastewater to product.

Learn more about centrifugation processing with **Steven de Boer** and **Suzanne Klein Schiphorst** from GEA, who present a streamlined method for scaling up centrifuge processes from laboratory to full-scale operation. With smart spin test analysis and scale-up pre-tests under their guidance they fuel the innovative nature of process development. GEA equipment is present in the Bodec facilities, so don't forget to sign up for the tour or join the demo during the break session.

Programme

14:00 Walk-in / Networking

15:00 Kick off

15:15 Jeroen Hugenholtz, NoPalm Ingredients

15:45 Mark van Loosdrecht, TU Delft

16:15 Tour Bodec

17:15 Suzanne Klein-Schiphorst & Steven de Boer, GEA Group

Drinks & Snacks



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Biomufacturing a healthier planet

Save the date!

The Working Group **Food and Biobased technology** invites you to join our technology event where professionals discuss the latest advancements in **Biotechnology**.

When:
27th of March 2024

Where:
Bodec, Helmond

Program:

14:00	Walk-in / Networking
15:00	Kick-off
15:15	NoPalm Ingredients <i>Jeroen Hugenholtz</i>
15:45	TU Delft <i>Mark van Loosdrecht</i>
16:15	Tour Bodec
17:15	GEA <i>Suzanne Klein-Schiphorst</i>
	Drinks and snacks



NBV Genomics Event 2024

Tuesday 28 May 2024 09:00-19:30

Beatrix Gebouw, Jaarbeurs, Utrecht

Plant genomics & novel methodologies in gene editing

Revolutionizing agriculture with genetic innovation, that is the future. This event was aimed to learn more about the state-of-the art and most relevant developments in gene-editing, crop development and regulatory policies, with a keynote lecture from **David de Vleesschauwer** (BASF Gent). Other speakers include: **Petra Bleeker** (Universiteit van Amsterdam), **Monique van Vegchel** (Plantum), **Leonardo Jo** (Universiteit Utrecht), **Julia Wind** (KeyGene), **Laurens Pauwels** (VIB Ghent), and **Wieteke Wouters** (HollandBIO).

Programme

09:30 – 10:00 Reception – Registration

10:00 – 10:30 Introduction, NBV Genomics – Dr. Raymond Staals: Wageningen UR

Subtopic: GENE EDITING TECHNIQUES

10:30 – 11:15 Keynote: Dr. David de Vleesschauwer: BASF
A versatile Cas12a toolbox for high-performance genome editing in crops

11:15 – 12:00 Dr. Julia Wind: KeyGene
A European perspective on genome editing

Lunch & Sponsor Booths

Subtopic: CROP DEVELOPMENT and TRAITS

13:00 – 13:45 Dr. Laurens Pauwels: VIB Ghent
Combining multiplex gene editing and doubled haploid technology in maize

13:45 – 14:30 Dr. Petra Bleeker
Helping a plant defend itself, exploiting its wild relatives

14:30 – 15:15 Dr. Leonardo Jo, UU
Transcription factor networks during the development of the soybean seed

Coffee Break

Subtopic: SOCIETAL IMPLICATIONS and POLICY MAKING

15:45 – 16:30 Monique van Vegchel – Beleidsmedewerker: Plantum
Genome editing in crops – the art of philosophy, science and politics

16:30 – 17:15 Wieteke Wouters, Program Director: HollandBIO

17:15 – 17:30 NBV Genomics – Closure--

Dinner and Networking

This event was made possible with support from:



ECB 2024 European Congress on Biotechnology

Sunday 30 June 2024 16:30 - Wednesday 3 July 2024 16:15

[De Doelen ICC, Rotterdam](#)

In 2024 the Dutch Biotechnology Association (**NBV**), co-organised this major international biotechnology congress in the beautiful city of Rotterdam, the Netherlands. This was a joint Congress of NBC-23, IBS2024 and ECB2024. Since 1960, IBS2022 has been the major event organised by the biotechnology sub-division of IUPAC, the International Union of Pure and Applied Chemistry. ECB2024 is the 19th Congress organised by the European Federation of Biotechnology.

The Dutch Biotechnology Association (NBV) was the proud host of the European Congress on Biotechnology. The international event brought together more than 750 participants from all over the world to share knowledge about the latest scientific, technological and social developments in biotechnology.

After the opening ceremony on Sunday 30 June, the audience was immediately treated to a plenary lecture by renowned scientist Sang Yup Lee (Korea Advanced Institute of Science & Technology), who gave an overview of the impressive steps his group has managed to realise in the field of metabolic engineering.

The quality level remained high throughout the congress, culminating on 3 July with a fantastic lecture from the Netherlands by John van der Oost, one of the founders of the globally used genetic engineering tool CRISPR-Cas.

NBV highlight event

As part of the three-day ECB program, the NBV organized a very successful highlight event, which was attended by more than 200 people. Not surprising given the keynote speakers on the program:

Jack Pronk, professor of industrial microbiology at TU Delft and winner of the prestigious 2024 Novozymes Prize, among other things, took the audience along in his years of work on improving yeast for a higher ethanol yield; research that has been implemented mainly in the US and has had a huge impact on the bioethanol industry.

Linda Dijkshoorn, CCO and founder of EV Biotech and finalist of the EY Emerging Entrepreneur Of The Year 2023, involved the audience in her impressive story about the challenges of starting her own (successful!) biotech company.



NBV Networking Event

Monday 1 July 2024 19:00 - 22:00

SS Rotterdam

Because this year the Dutch Biotechnology Congress was integrated into the ECB, the NBV organized an exclusive networking event especially for its members. 100 members met in the 'Smoking Room' of the famous ship SS Rotterdam. With delicious food, drinks, a beautiful view and an inspiring location, the participants had the opportunity to network and meet new people from the Dutch biotech field. Moderator Desiree Hoving facilitated a nice discussion about the future of biotech and made sure that people could get to know each other in a creative way. A very successful evening!



Biotech for a sustainable future 2024

Thursday 12 September 2024 13:00 - 17:30

Kas Meeting Eventlocatie, Woerden

On 12 September 2024 we brought the Dutch biotech network together in the KAS in Woerden for the Biotech for a Sustainable Future event. Together with lead host **hollandbio** we look back on an interactive and inspiring afternoon, in which participants from academia, industry, and government agencies learned to tell a targeted story about biotechnology to a broad audience and thus create understanding and involvement around the innovations they are working on. The participants were also called upon to use social media, and were encouraged to use the hashtag #biotechmakeslifebetter.

NBV board member Carlien Verberne-Van der Laak introduced the association and Annemiek Verkamman of hollandbio took the audience along in creating the cool and science-based story that is needed to make biotech land with politicians and the public.

During an interactive workshop, scientific storytellers David Redeker and Marloes ten Kate showed the audience how easy (and fun!) it can be to create a good story. Through various exercises, they taught the audience three key ingredients for a good story: a character, a problem and a desire. This helps the audience identify with the story.

Finally, Tim van der Rijdt and Robert Jones shared their experience communicating Mosa Meat's innovative way of producing beef to the world. After the company introduced their first cell-based hamburger in 2013, they have been continuously working on perfecting their storyline for different audiences, whether it is their intended audience of 'meat lovers' or the policymakers who are needed to be allowed to eat and sell the meat. Social acceptance of cultured meat requires a clear, nuanced and shared message from the cultured meat industry.



Dutch Biocatalysis Symposium 2024 (BiocatNL)

Friday 1 November 2024 13:00 - 18:30

De Observant, Amersfoort

BiocatNL is organised yearly by the NBV work group [Applied Biocatalysis](#).

Biocatalysis is an active research field in several academic research groups in the Netherlands. Also, a large number of biotechnology companies develop and/or use enzymes for their processes. To promote interactions in the field of applied biocatalysis and to inform a broader audience, the working group Applied Biocatalysis of the Dutch Biotechnology Society (NBV) is organizing the BiocatNL-2024 symposium to highlight developments in biocatalysis. Besides contributions from academia and industry, young researchers (PhD students) were invited to give a pitch talk on their research. From the pitch-talk applications, 5 presenters were selected.

Programme

13:00 Dr. Kristina Haslinger (University of Groningen)

Mapping the substrate promiscuity landscape of enzyme families to inspire the design of new biosynthetic pathways

13:40 Dr. Vasilis Tseliou (University of Amsterdam)

Enzymatic strategies for stereocontrolled synthesis in polar and excited domain

14:10 *break*

14:50 Ruth Chrisnasari (Wageningen University)

Exploring the diversity and catalytic potential of bacterial lipxygenases

15:20 Ognjen Pećanac (GECCO-biotech)

Encapsulins: tiny cages, big possibilities

15:50 *break*

16:20 Dr. Yutong Wang (Delft University of Technology)

A chemoenzymatic cascade to access chiral beta-hydroxy ketones

17:00 pitch talks (5 minutes talks by early career researchers)

17:30 *drinks & snacks = borrel*

MB10 Microbial Biotechnology Symposium

Monday 18 November 2024 09:00 - 17:00

Pathé, Delft

The Microbial Biotechnology Symposium is organised yearly by the NBV work group [Microbial Biotechnology](#), in collaboration with the Microbial Biotech section of the KNVM. This years event was another great success with a turnout of over 100 participants.



Programme

09:30 - 10:00 | *Registration and coffee*

10:00 - 10:15 | *Opening*

10:15 - 10:45 | **Invited lecture: Harmen van Rossum – Cradle Bio**
Generative AI for building better proteins

10:45 - 11:05 | Charlotte Koster – Wageningen University
Good endings and new beginnings: deciphering non-coding elements in gene expression to improve protein production

11:05 - 11:25 | Matteo Vajente – University of Groningen
Increasing electroporation efficiency in the lithoautotrophic bacterium Cupriavidus necator H16 - A roadmap for non-model bacteria domestication

11:25 - 11:45 | Jeroen Koendjibiharie – Free University Amsterdam
Schrödinger's cat-alyst: The 6-phosphofructokinase reaction in Acetivibrio thermocellus.

11:45 - 12:10 | *Poster pitches*

12:10 - 13:30 | *Lunch, poster session and networking*

13:30 - 14:00 | **Invited lecture: Maria Barbosa – Wageningen University**
Photosynthetic Cell Factories

14:00 - 14:20 | Sagarika Bangalore Govindaraju – Delft University of Technology
Deciphering interactions in microbial consortia using microbead sorting

14:20 - 14:40 | Alberto Agnolin – University of Amsterdam
*Effect of the stringent response on amylase production and the ribosome profile of *Bacillus subtilis**

14:40 - 15:40 | *Coffee break and poster session*

15:40 - 16:00 | Bas van Woudenberg – Leiden University
*The metabolic engineering of *Methylobacterium extorquens* for the sustainable bioproduction of chemicals.*

16:00 - 16:20 | Gerrich Behrend – Max Planck Institute Magdeburg
*From tequila to bulk chemicals: Establishing a versatile modular cloning toolbox for genetic engineering of *Zymomonas mobilis**

16:20 - 16:50 | **Invited lecture: Marjan de Mey – Ghent University**
Microbial production of specific chitooligosaccharides

16:45 | *Drinks and Networking*

This event was sponsored by:



NBV Biopharma event

Thursday 21 November 2024 18:00 - 22:00

J&J Innovative Medicine, Leiden



The NBV Biopharma workgroup organised its annual event with this years theme: **Future perspectives on biopharma**. They maxed out the facilities at J&J with over 100 participants, marking the success of this workgroup event. This event was supported by **Linde Gas**, **Endress+Hauser** and **Johnson & Johnson**.

Programme

18:00 Registration, Coffee & Sandwiches

18:30 Opening by Session Chairs

18:35 Downstream Process Development for AAV production

Mariana Sao Pedro, Scientist DSP | VectorY

18:55 Setting up Raman spectroscopy for effective upstream bioprocess monitoring

Maarten Klaverdijk, PhD student | TU Delft

19:15 Break

19:50 Process development and clinical manufacturing of Cell and Gene Therapies

Melissa van Pel, Head of Cell Therapy | NecstGen

20:10 Development of an mRNA manufacturing process

Jasper Sloothaak, Principal Scientist | Johnson & Johnson

Simón Pereira Bouzas, Principal Scientist | Johnson & Johnson

20:30 Networking & Drinks

Minutes General Members Meeting 18 June 2024 (ALV)

The 47th General Assembly of NBV took place on 18 June 2024 from 20:00-21:00, online via Teams.

Attendees:

Board Members: Jan Wery, Maria Suarez Diez, Carlien Verberne, Tim Vos, Niels van Mossevelde, Susana Pedraza, Brigit van Brenk

Other members: Richard van Kranenburg, Melvin Siliakus, Obada Zaidany, Jean-Paul Meijnen

Agenda

1. Opening by chair Jan Wery
2. Report General Assembly/ALV 2023 (part of digital NBV yearbook 2023)
3. Annual overview & annual report 2023
4. Financial annual report 2023
5. Financial audit committee report 2023
6. Appointment financial audit committee 2024 (vote)
7. Budget 2024 (vote)
8. Election / appointment of board members (vote)
9. Plans 2024-2025 by president Jan Wery
10. Any other business (AOB)
11. Closure

1. *Opening*

The meeting is opened at 8.01 pm by president Jan Wery. Voting is done by making dissenting votes recognizable via chat and/or speech. Voting in favor is done by remaining silent.

2. *Report General Assembly/ALV 2023*

The minutes of the previous General Assembly/ALV can be found in the NBV Yearbook 2024 and have been approved.

3. *Annual overview & annual report 2023*

Maria Barbosa is giving a short overview of activities:

- Young NBV network - MAR2023
- Food and Biobased Technology Event - MAR2023
- NBC (>240 participants) - SEP2023
- Biopharma event (~50 participants)
- MB8.0 (~80 participants)

Besides that, Jan Wery is showing a list of successful implementations done in 2023:

- Active participation of all work groups in NBC-23 organization (invited speakers, active in scientific program committee and Zilveren Zandloper nominees).
- Growth in NBC23 participants.
- Active organization of workgroup activities. Roadmap on how to organize workgroup event is shared with workgroup leaders by board.
- NBC sponsoring increased again.
- Zilveren Zandloper Innovation Award was awarded to Cindy Gerhard.
- NBV is a successful and active association with valuable input from all workgroups.

4. *Financial annual report 2023*

Niels van Mossevelde (treasurer) provides an overview of the 2023 annual report (details can be found in NBV Yearbook 2024), including the main points:

- Over the book year (1st of jan until 31st of Dec 2023), approximately €6,000 was used from the reservation.
- For YoungNBV (relatively) more budget is reserved for activity to support young professionals to get involved with NBV.
- “Zakelijk deposito” is started by the treasurer using a budget of €50.000 to increase profit by interest. This was done after consulting the financial control committee.
- NBC23 gained a high amount of sponsoring income and the NWO grant was approved again, this resulted in a profit of around €15.000 which will be invested in workgroup events and can be used to keep the association financially healthy.

5. *Financial audit committee report 2023*

Final balance has been drawn up and checked by the financial control committee (Loes Bevers and Richard van Kranenburg) and has been approved. Richard van Kranenburg confirms that everything was correct and perfectly structured in Excel documents.

Question: do we need two bank accounts or can we cancel one (to reduce costs)?

Concern: sponsoring incomes are extremely high thanks to the very active sponsor committee (Zeger de Vente), this might reduce with board member change. Advice: have good discussion with KNCV about prolongation C2W contract which is ending this year.

Niels indicated that the C2W contract will be discussed with members, board and KNCV and that he will look at the possibility to cancel one bank account.

6. *Appointment financial audit committee 2024 (vote)*

Loes Bevers and Richard van Kranenburg are proposed to be appointed as financial control committee again for 2024. There are no objections from the General Assembly participants and they are therefore unanimously appointed.

7. *Budget 2024 (vote)*

Budget for 2024 is presented by Niels van Mossevelde (treasurer).

This year is different from other years, there is no self-organized NBC event, but we co-organize ECB without any organization costs or financial risks.

We do invest in a social network event during the ECB, only for NBV members and sponsors. Besides that, we will invest in communication and free tickets for students with winning poster applications for ECB2024. In total this will take up some budget from the reserves (€26.800) but we can handle this as a financially healthy organization.

There are no objections from the General Assembly participants and thus budget for 2024 is approved.

8. *Election / appointment of new board members (vote)*

Proposal for board composition is to have no change and keep board similar to 2023, all board members will stay in the board at least until next General Assembly in 2025. There are no objections from the General Assembly participants and therefore Tim Vos will stay for his 5th year as board member (communication).

9. *Plans 2024-2025*

Jan Wery gives an overview of the planned activities for this year:

- ECB2024 is planned for 30JUN-3JUL2024 with contribution and input from NBV and all workgroups. The ECB2024 will include a NBV highlight event with Jack Pronk and Linda Dijkshoorn as speakers and the Zilveren Zandloper education award will be awarded during this session as well. Besides that a social networking event will take place Monday 1th of July during ECB for NBV members only.
- NBV is starting a collaboration with HollandBIO in organizing an event together (Biotechnology for a sustainable future, 12SEP2024)
- NBC-25 will take place at Omnia in Wageningen. Organization is ongoing.
- Several workgroup events are planned or already took place in 2024.

10. *Any other business*

No questions or remarks.

11. *Closure*

The meeting was closed at 8:41 pm.

Working group details NBV

Latest and more detailed information about working groups visit:

<https://nbv.kncv.nl/en/werkgroepen/>

BioPharma Technology

The BioPharma Technology working group is a newly formed group, which is a split-off from the Cell & Fermentation Technology (CFT). This group is now focusing on all aspects of Biopharmaceutical Biotechnology, mainly focusing on bioprocessing of bacteria, yeast and animal cells for the production of high-quality (pharmaceutical) products. The group aims to organize a meeting once a year with speakers from both the academic and industrial fields. Topics include: bioreactor design, up and down scaling, cell line and strain development, bioprocess surveillance and control (PAT/QbD), reactor systems and the use of "omics" tools in bioprocess engineering design.



Lenneke de Winter

Contact



Marieke Klijn



Thijs Gerritzen



Jort Altenburg



Gerard 't Lam

Food & Biobased Technology

The Food & Biobased Technology working group is a newly formed group, which is a split-off from the Cell & Fermentation Technology (CFT). This group is now focusing on all aspects of biotechnology in food production and biobased technology. The group aims to organize a meeting once a year with speakers from both the academic and industrial fields. Topics include: bioreactor design, up and down scaling, bioprocess design, reactor systems, use of side-streams and the use of "omics" tools in bioprocess engineering design.



Ruud Heshof

Contact



Maria Cuellar



Cees Haringa



Iulian Boboescu



Eric van de Zilver



Hans de Bruijn

Microbial Biotechnology

The working group Microbial Biotechnology is interested in how to develop and optimize existing or new biotechnological processes through design, build, test and learn cycles. This encompasses microbial physiology and applying systems and synthetic biology approaches in applications fields including industrial, environmental, medical/pharmaceutical, and agricultural biotechnology and engineering.

Synthetic Biology is defined as a field of science dedicated to (i) the design and construction of new biological parts, devices, and systems, and (ii) the re-design of existing, natural and new to nature biological systems for useful purposes.

Systems Biology focusses on unravelling and understanding complex biological systems, and typically involves modeling, exploration and integration of genomics data at various cellular levels, for example ranging from sequencing, mRNA, protein, metabolite data to imaging and text-mining.

We aim at enabling the interaction between molecular biologist, fermentation specialists, mathematicians, bioinformaticians and physicists across the Netherlands. Exchange of knowledge, software and methods is very relevant.

The working group will provide updates about new developments in this field via symposia and/or workshops.



Mark Bisschops

Contact



**Filipe Branco
dos Santos**



Jean-Marc Daran



Packo Lamers



Olga Mosunova



Nico Claassens



Robert Stella

Applied biocatalysis

This working group mainly focuses on the field of enzyme applications: biocatalysis. A meeting (BiocatNL) is organized annually in which academic and industrial speakers present recent developments. Topics covered include enzyme discovery, enzyme engineering, and development of new (industrial) applications. These meetings are open to everyone and free for NBV members. In addition to the scientific program aimed at knowledge transfer, there is always room for interactions. The meetings are ideally suited to follow the latest developments and to familiarize yourself with the landscape of applied biocatalysis in the Netherlands. In addition to the annual BiocatNL meetings, the working group contributes to the NBC program. For questions or suggestions, please contact Marco Fraaije (m.w.fraaije@rug.nl).



Caroline Paul

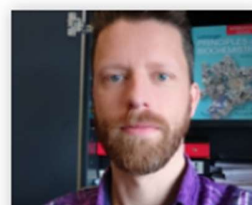
Contact



Marco Fraaije



Mirjam Kabel



Dominic Heuts



**Martin
Schürmann**



Francesco Mutti

Genomics

The Genomics Working Group is interested in the applications and generation of Genomics data in biotechnological processes. The Genomics Workgroup is the youngest formation within the NBV and focuses on both the biotech industry (pharma and agriculture) and biotech & life sciences academia. The objective of the Genomics working group is to apply knowledge exchange to keep each other up to date in the rapidly developing sequencing and genotyping technologies. We do this by creating a common network of both academic and industrial members, organizing webinars and discussing societal issues such as data regulation. The focus topics that will be covered include an entire biotech workflow from sampling, DNA/RNA extractions, library preps, sequencing/genotyping but also to bio-informatics analyses and gene synthesis.

We aim to organize at least two activities per year where such topics can be discussed. We will also provide a breakout session during the annual NBC event. We look forward to meeting you to exchange knowledge.



Melvin Siliakus

Contact



Raymond Staals



Taichi Ochi



Dick Roelofs



Gerben Voshol

Social aspects of the biotechnology

Ever since the unraveling of the DNA molecule by Watson and Crick, we have witnessed numerous important breakthroughs in the world of biotechnology, contributing to for instance health and sustainability. On the other hand, such developments have also occasionally stumbled upon societal resistance. Also In the 21st century developments in biotechnology are advancing a rapid speed and are likely to provoke debate. Recent years however, we have witnessed an increased awareness amongst policy makers and scientists about the importance to address societal aspects of emerging technology early on in a transparent manner. The Working Group on Societal Aspects of Biotechnology applauds this development and intends to contribute to the proper societal embedding of biotechnology in the Dutch society, by means of dialogue and communication. Against this backdrop the Working Group will be undergoing some transformation and extension.



**Britte
Bouchaut**

Contact person



Lotte Asveld

Young NBV

The board of the NBV received substantial funds from the Stichting Biotechnology Nederland to invest in the coming years in activities aimed at young biotech professionals and students to raise the number of young members (35 years and younger). Study associations at the Hanzehogeschool (Groningen), Van Hall Larenstein (Leeuwarden), Wageningen University, Delft/Leiden University and Radboud University were approached to find out how we best can get in touch with master students in biotechnology and related fields. Board members of some of the associations attended, on invitation of the board of NBV, the NBC in Ede. At the NBC, the second career workshop was organized with five experienced professionals that told about their career and gave advise on how to get the first job. The plan is to sponsor several activities of student associations in return for visibility of NBV. New, up-to-date promo material will be designed to be used to approach students and other potential new members.



**Birgit van
Brenk**

Contact



**Susana
Pedraza de la
Cuesta**

Contact



**Maria Casals
Peralvarez**



Brenda Juarez



**Emmy
Verdiesen**

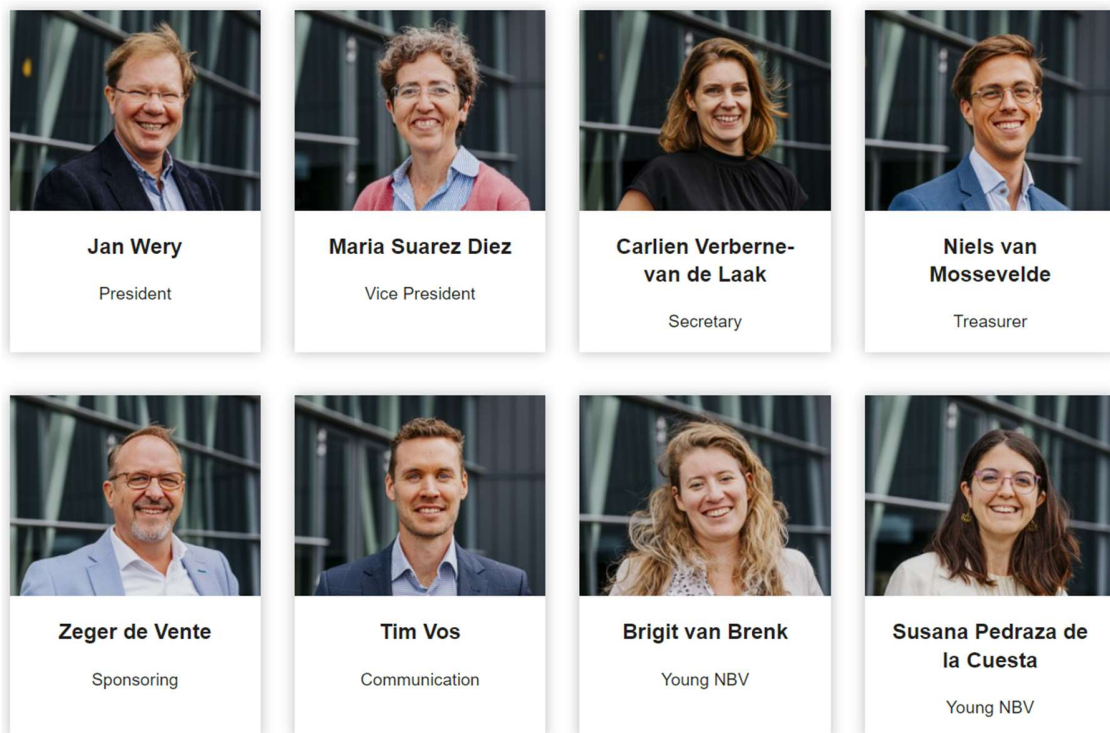
About NBV

Introduction

The Netherlands Biotechnological Society (NBV) is the professional association for applied life scientists. It is a valuable network, to more than 800 members from universities, research institutions, intermediate organizations, government and industry contribute. The NBV aims to promote the integrated application of scientific disciplines to biological systems for, amongst others, industrial processes and products, energy, pharmaceutical applications, environment and sustainability, agriculture, forensic research, food and health. Our members work in these areas.

Knowledge exchange and networking are our central activities. To promote knowledge exchange and discussion, from 2016 on we have organized the Netherlands Biotechnological Congress as a yearly event, at which excellent researchers from the whole world present state of the art research. Furthermore, we like to promote professional activities and socially responsible professional practice. We therefore formulated a professional ethic and appointed trusted representatives. Also, the NBV aims to give neutral and science based information about the aim, importance and societal meaning of biotechnology.

The NBV has 8 board members, who are shown in the picture below.



Contact information board members:

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Niels van Mossevelde

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Zeger de Vente

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Carlien Verberne-van de Laak

Carlien Verberne-van de Laak, MSc (2021)
Secretary
HAN University of Applied Sciences
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Email: Carlien.Verberne@han.nl

Regulations, professional ethic, and constitution and rules

The NBV regulations, professional ethic, and constitution and rules can be found on the website:
<http://nbv.kncv.nl/nl/>.

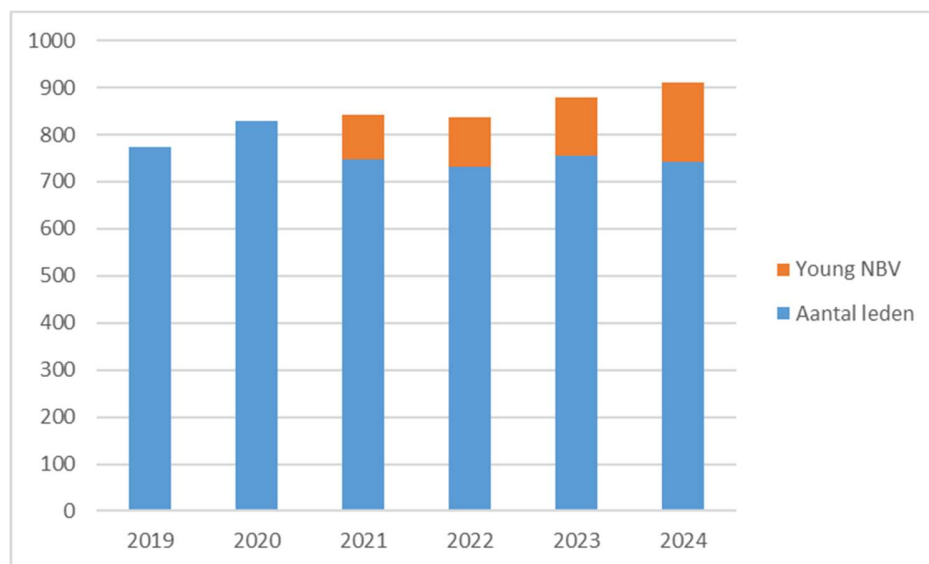
Honorary members

Honorary members of the NBV are appointed by the General Assembly Meeting, based on special merits for the society (NBV regulations, 3.5). The NBV has the following honorary members:

Prof. dr. G.M.A. van Beynum, Voorburg
Dr. Ir. M.H. (Riet) Hilhorst, Wageningen
Prof. ir. E.H. Houwink, Vught (†2005)
Prof. ir. R. Keuning, Vlaardingen
Dr. ir. N.W.F. Kossen, Pijnacker (†2016)
Dr. N.C.M. (Colja) Laane, Amsterdam
Prof. ir. K.Ch.A.M. Luyben, Delft
Prof. dr. R.A. Schilperoort, Leiden (†2012)
Prof. dr. ir. J. Tramper, Bennekom
Prof. dr. W.M. de Vos, Wageningen
F. Sijbesma, Eindhoven

Member statistics

By the end of December 2024, the NBV had 910 members. See the chart below for the number of members and Young members. The total number of members is increased compared to 2023 (880), the number of Young NBV members in increasing from 126 (2023) to 169 (2024).



Membership

The members administration is accommodated by the KNCV (Royal Dutch Chemical Society), of which the NBV is part of. You can contact the administration directly for registration or cancellation of your NBV membership:

NBV members administration
PO box 249
2260 AE, Leidschendam
T: 070-3378797
E: ledenadministratie@kncv.nl

The collection of membership-fee is also done by KNCV. Changes in personal or contact details and membership of working groups should be passed on to the members administration. This can be done by e-mail or by the form on <http://nbv.kncv.nl/>.

Membership fees 2024:

Yearly membership fees of the NBV:

€ 56,-* (30 years and older)

€ 27.50* (members of up to and including 29 years old)

* Students pay only €16 per year for the first three years (provided they are still a student, not a PhD student).

Membership for members of the KNCV is €30.

Membership for honorary members and yearly sponsors (donateurs) is free.

Financial year report 2024

1. Account balances 2024 and 2023

An overview of the account balances of 2024 and 2023 are given in Figure 1. The equity capital of the NBV increased in 2024 with € 8,444.97 from €148,931.22 to €157,376.19 (total account balance of Dec 2024 minus the total account balance of Dec 2023, Figure 1). In the year before, there was a decrease of €5,989.86. The reasons behind the increase in equity capital in 2024 are explained in the next paragraph 'budget and profit and loss statement 2024'. The equity capital of the NBV includes the SBN heritage of 2013 which is dedicated to empowering the young-NBV under the description 'reservation activities Young NBV' which is used every year by the 'young NBV' for their activities. This year, part of the equity of the NBV is put into a deposit of 50 k €, which yields a higher interest rate as compared to keeping it in the savings account.

Final balance 2024			
description	amount	description	amount
checking accounts	€ 6,476.12	creditors	€ -
savings accounts	€ 100,900.07	reservation NBC organisation	€ 80,000.00
deposits	€ 50,000.00	reservation activiteiten Young NBV	€ 18,833.97
debtors (KNCV/SBN)	€ -		
		Equity	€ 58,542.22
	€ 157,376.19		€ 157,376.19

Final balance 2023			
description	amount	description	amount
checking accounts	€ 24,183.73	creditors	-
savings accounts	€ 124,747.49	reservation NBC organisation	€ 80,000.00
debtors (KNCV/SBN)	€ -	reservation activiteiten Young NBV	€ 25,359.06
		Equity	€ 43,572.16
	€ 148,931.22		€ 148,931.22

Figure 1. Account balances in 2024 and 2023.

2. Budget and profit and loss statement 2024

Figure 2 shows the budget for 2024, made by the board and approved by the ALV, and an overview of the profit and loss statement in 2024. The paragraphs on the next page below give explanations per category and compare the budget with the real costs/benefits.

Profit and loss statement 2024			
description expenses	amount	description income	amount
Administration	€ 1,152.84	Membership fees	€ 24,473.69
Board Costs	€ 1,901.37	Interest	€ 152.58
C2W Life Sciences	€ 19,765.18	NBC-23	€ 45,738.58
Young NBV	€ 6,525.09		
Workgroups	€ 16,805.28		
ECB - NBV social event	€ 12,959.80		
ECB - other costs	€ 2,810.67		
Total	€ 61,920.23	Total	€ 70,364.85
		to reserve	€ 8,444.62

Budget 2024			
description expenses	amount	description income	amount
Administration	€ 2,000.00	Membership fees	€ 23,000.00
Board costs	€ 2,000.00	Interest	€ 1,700.00
C2W Life Sciences	€ 17,500.00	From reserve	€ 26,800.00
Workgroup activities	€ 10,000.00		
Young NBV	€ 7,500.00		
ECB - NBV social event	€ 10,000.00		
ECB - other costs	€ 2,500.00		
totaal	€ 51,500.00	totaal	€ 51,500.00
		difference	-

Figure 2. Overview of both 'Profit and loss statements 2024' and the 'Budget 2024'.

2.1 Expenses/costs

Administration

Costs of both bank accounts, the insurance of the board, the website costs and the EFB membership.

Board costs

Contains all expenses for the NBV strategy day 2024 and the live board meeting in Wageningen.

C2W Life Sciences

The NBV pays for the C2W subscription for the all the non-KNCV members. The inflation correction was not accounted for in the budget of 2024, hence a slight increase compared to the budget.

Activities Young NBV

The costs for the yNBV are the sponsorships of study associations, an yNBV event plus an abstract contest ticket for ECB for students where seven students got the opportunity to attend ECB-2024. The sponsorships of the study associations are connected to an 'ambassador program' where the connect to these associations is improved by the yNBV.

Workgroup activities

The costs of the workgroup activities in 2024 are the accumulation of all the organized symposia by the working groups: F&B, Genomics, BioCatNL, Biopharma & MB10. Due to higher venue prices in combination with delayed sponsorship income, higher than budgeted.

ECB – NBV social event

As the NBV were co-organizers of the ECB there was not a national Dutch biotech event like the NBC. To still connect with the network and members who could not or did not want to go to the ECB event a social event was set-up at the SS Rotterdam. Over 100 members and valued sponsors participated in this free event. The costs were slightly higher than budgeted due to higher venue costs and a higher cost for the host.

ECB – all other costs

At the ECB event itself the NBV was very visible at the event with a booth (and all associated costs) and next to that in the lead-up to the event advertisement in the C2W magazine.

2.2 Income/benefits

NBC-23

The total income from the NBC-23 is a combination of sponsorship amounts received in 2024, and the ticketing income also received from the KNCV in the beginning of 2024.

Membership fees

The received contributions were higher than expected due to a rise in the number of members of the association.

Interest

Interest is lower than expected as the interest associated with the annual deposit will be funded in the book year of 2025. Only the 'regular' saving account interest is accounted for.

3. Approval of the financial report

This financial report was finalized on 27-05-2025 and has been approved by the financial committee.

4. Budget 2025

The proposed budget for 2025 is based on the budget of 2023 as last year's budget included the ECB social event and ECB other costs. As we organize an NBC event this year again, the budget is very similar compared to the budget of 2023, this was taken as a blueprint and amounts corrected for inflation.

5. Workgroup activities and activities for young members

The NBV encourages the organization of events by workgroups including young NBV. Workgroups can apply for financial support for the organization of such events. The board will request a budget and a plan before approval. The budget reserved for the activities for young members includes the discount for young participants to NBV events, sponsoring of biotechnology student associations, and financial support to activities especially for this target group. These activities are paid with the SBN budget marked in the account balance sheet as 'Young NBV'.

Budget 2025				
description expenses	amount		description income	amount
Board costs	€ 2,000.00		Membership fees	€ 27,500.00
Administration	€ 2,000.00		Interest	€ 1,000.00
C2W Life Sciences	€ 20,350.00		From reserve	€ 20,850.00
Workgroup activities	€ 10,000.00			
Young NBV	€ 5,000.00			
NBC 2025	€ 10,000.00			
Other				
totaal	€ 49,350.00		totaal	€ 49,350.00

Figure 3. The proposed budget for 2025.

6. Sponsor opportunities

In 2024 and 2025 the NBV working groups (will) organize(d) multiple activities where dedicated sponsorships are possible. During the 2024 strategy meeting the NBV board introduced the roadmap for the working group activities and how to manage the participating sponsorships. For more details and the participating sponsor we refer to the responsible workgroup reports in this yearbook and their leaders.

The NBV yearly congress 2024 was pleased to host world's two longest running biotechnology Congresses, ECB2024 and IBS2024, at their annual meeting, NBC-24, for sponsoring this congress we outsourced this TFI lodestar registration.ecb@tfilodestar.com. The sponsors are mentioned in the yearbook. Beside the sponsors multiple companies joined the exhibition space. As TFI Lodestar was responsible for the fundings and administration we can't mention the names of these companies.

Sponsor packages for the NBC 2025 contain beside a booth space, price sponsoring like Silver Hour Glass Award and Poster Pitch price multiple new features based on the feedback we received during the congresses.

Therefor we introduced as NEW option:

- all sponsors will have an opportunity to **pitch during the main stage program**
- all sponsors will **receive 4 free tickets** for the congress to be shared with your prospects/customers. (reviewed by the NBV board)
- all sponsors will again have the ability to update relevant **new products or services during the newsletter updates communications** of the congress.

The package as communicated for NBV25 you can find below.

We thank all the sponsors for their continuing contribution and look forward to cooperate to enable professional congresses for the future.

March, 2025

NBC-25

Dear sponsor,

It is our pleasure to announce the LIVE NBC-25 congress organized on behalf the NBV and their partners on the 23th of September 2025 at Omnia Auditorium Wageningen



Looking back on the successful international biotech conference at Rotterdam summer 2024, the NBV board is happy to announce we already booked the 2025 edition at **Omnia Wageningen**.

More information will follow soon. For regular updates follow us on [LinkedIn](#) page. This yearly Dutch event is a well-known opportunity and meeting point with a lot of interactions with leading (international) professionals for industry, universities, institutes and consumer organizations.

The congress 2025:

This congress reflects the current situation where scientists at universities and research institutes are performing cutting edge science on biological systems, processes and researchers in companies and start-ups use the know-how and know-who to develop all kinds of innovative products and processes.

Besides this congress the NBV as part of the KNCV raises new ambitions to maintain and grow as the most important and largest networking platform for students, professionals, and alumni in biotechnology education & industry in the Netherlands with activities of our strong committing working groups <https://nbv.kncv.nl/en/work-groups/work-groups>

This 1day program features 3 keynote lectures by experts in the field and various parallel sessions to cover the full spectrum of biotechnology. NBC-25 is a must for every biotechnologist!

In the attached file "Sponsor packages NBC-25" you can find the complete overview of possibilities to sponsor this inspiring event.

- **NEW** in 2025 sponsors will have an opportunity to **pitch during the main stage program**.
- As a valued sponsor you will **receive 4 free tickets** for the congress to be shared with your prospects/customers.
- Again, we update relevant **new products or services you would like to highlight during the newsletter updates communications** of the congress. Please send us a brief description (max 100 words) with high resolution picture about the product/service and we will share this in the newsletter.

On behalf of the members and the board we look forward to cooperating with you as a sponsor at NBC-25. In case of any questions do not hesitate to contact us!

We are looking forward to your reply.

Yours sincerely,

Jan Wery
President NBV Board

Zeger de Vente
NBV - Sponsoring nbv.sponsoring@kncv.nl

"NBC 2025"



SPONSOR PACKAGES NBC-25

A DETAILED OVERVIEW OF ITEMS AVAILABLE TO BE SPONSORED

Booth on Exhibition NBC-25

(2 staff passes) € 2800

Dimensions available floor space per booth

Included in booth rental price:

- Including **company pitch** at the main stage
- Including **4 free prospect/customer tickets***
- Electricity (220V)
- 1 stand table 1,5-meter floorspace 1 company banner
- Max.2 exhibitors passes per booth,
Included: coffee/tea and lunch package /diner

Rental period: 23th of September 2025

Setting-up the booth on the 23th of September from 8.00h-9.00h (indication) Dismantling the booth on the 23th of September from 19:00 **hrs.** (indication). There is standard security provided on the premises. Loss and damage of your belongings are at your own risk.

Parallel Sessions

included

The name of the sponsor will be listed in the Conference Programme and with the session of your choice. In the room where the session will take place, the name of the sponsor will be placed on a billboard or banner.

Sponsored Lanyards

€ 200

This item can be sponsored for only one sponsor and have to provide 300 lanyards. We handle this item as "first come first serve"

*suggested prospects/customers will receive the ticket after review of the organization committee

Name and Signature:

Date:

Please return this form to the NBC- Sponsoring :

nbv.sponsoring@kncv.nl

RESERVATION FORM FOR SPONSORING and/or PARTICIPATION IN EXHIBITION NBC-25

The undersigned herewith confirms the sponsoring of the following item(s):

- Item(s)..... Total amount (€):
- Item(s)..... Total amount (€):

The undersigned herewith confirms the reservation of

- Booth at the NBC-25 Exhibition at the amount of €

Note 1): requests for additional booth space will be judged by the organizers only. Approval will depending on the total amount of subscriptions (exhibitors).

Note 2): the Conditions of Participation will be mailed to you upon request.

Company	
Contact person	
Company address	
Postal code and City	
Country	
Telephone	
e-mail	

Name and Signature:

Date:

Please return this form to the NBC- Sponsoring :
nbv.sponsoring@kncv.nl