



**74th International Congress and Annual Meeting of the
Society for Medicinal Plant and Natural Product Research (GA)**

**Jointly with Association Francophone pour l'Enseignement et la Recherche en
Pharmacognosie (AFERP)**

Reims, France

August 30 - September 2, 2026

CONFERENCE BOOK

Reims Convention Centre

<https://gareims2026.org/>

Under the Auspices Of

The 74th GA Congress is organised with the institutional support of:

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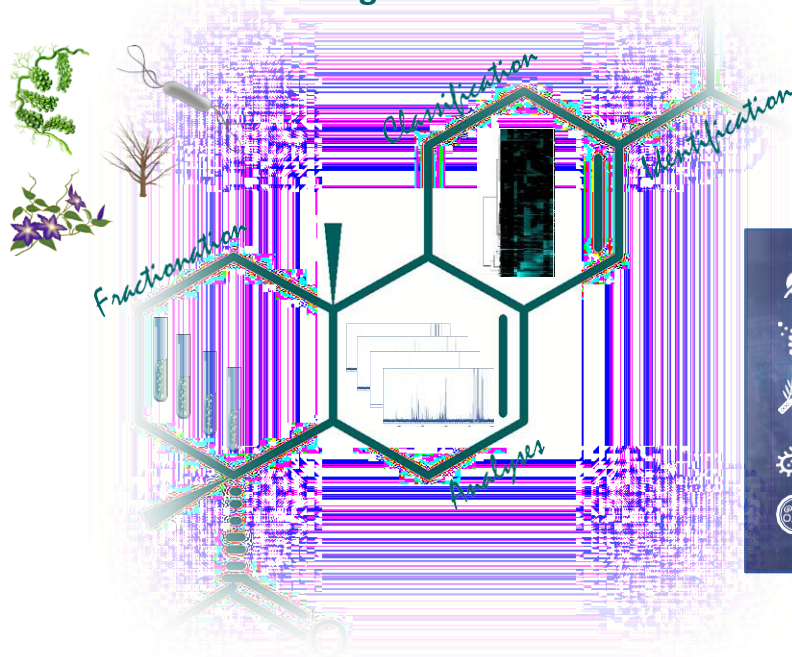
Organised by the Institut de Chimie Moléculaire de Reims (ICMR, UMR CNRS 7312, Université de Reims Champagne-Ardenne), on behalf of the Society for Medicinal Plant and Natural Product Research (GA), in association with the Association Francophone pour l'Enseignement et la Recherche en Pharmacognosie (AFERP).



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Welcome

Local Organising Committee

Dear colleagues, dear friends,

It is our great pleasure and privilege to welcome you to Reims for the 74th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA).

For several days, Reims will become an international meeting point for the natural product research community. We feel particularly fortunate to welcome such an outstanding community of scientists, researchers, clinicians, industry representatives, and young investigators travelling from all over the world to share their knowledge, discoveries, and perspectives.

The strength of the GA has always been its ability to bring together people from different countries, cultures, disciplines, and generations around a common passion for medicinal plants and natural products. GA 2026 continues this tradition, with a scientific programme reflecting both the remarkable diversity of our field and the major challenges it faces today. From biodiversity and drug discovery to advanced analytical approaches, artificial intelligence, biotechnology, sustainability, One Health, and climate change, we hope that these days will stimulate scientific exchange, new ideas, and future collaborations.

But hosting GA 2026 in Reims also gives us another wonderful opportunity to introduce our international scientific community to a city and a region of exceptional cultural richness.

Reims is a city where history is everywhere. Known as the City of Coronations, it has played a unique role in French and European history. Its remarkable heritage includes the Notre-Dame Cathedral, the Palace of Tau, and the former Abbey of Saint-Remi, all part of the UNESCO World Heritage List. Beyond its monuments, Reims also bears witness to more recent history and has become a powerful symbol of peace and Franco-German reconciliation.

And, of course, Reims is inseparable from Champagne. Its vineyards, historic cellars and crayères, together with the gastronomy of our region, are an essential part of its identity and its art of living. We sincerely hope that your stay will give you the opportunity not only to enjoy stimulating scientific discussions, but also to discover this unique cultural, historical, and gastronomic heritage.

A congress is much more than a succession of lectures and scientific sessions. It is also about encounters: discussions over coffee, conversations around a poster, ideas exchanged during a dinner, and connections that may develop into collaborations and friendships. We hope that GA 2026 will provide many such moments and that Reims will offer a memorable setting in which to share them.

On behalf of the Local Organising Committee, we warmly thank all the speakers, chairs, scientific committee members, sponsors, partners, volunteers, and everyone who has contributed to making this congress possible.

Above all, thank you for coming from across the world to join us in Reims. It is an honour to welcome you here, and we hope that you will leave GA 2026 with new scientific ideas, new collaborations, new friendships and wonderful memories of Reims and Champagne.

We wish you an inspiring congress and an unforgettable stay. Welcome to Reims, and welcome to GA 2026!

The Organising Committee

Prof. Jean-Hugues Renault

Congress President



Dr. Pedro Lameiras

Congress President





Welcome

GA President

Dear participants in this year's joint congress of the GA and AFERP,

It gives me enormous pleasure to welcome you to the 74th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), here in Reims, France. It is held jointly with AFERP (Association Francophone pour l'Enseignement et la Recherche en Pharmacognosie) and together we have brought together a rich and exciting programme.

The conference will foster research in all aspects of medicinal plant and natural product research and expand the current knowledge in this and related fields. After a very hot and dry summer in Europe, we come together to discuss the opportunities of medicinal plants and natural products, as well as strategies to overcome the numerous challenges. A key focus is on the circular bioeconomy and sustainable sourcing of these resources, which are the most fundamental basis of all our endeavours. Therefore, the focus on circular approaches is a core task we must resolve also at a time of AI-driven changes to our societies.

On behalf of the entire board, I wish you a stimulating and interesting time at the congress, in Reims and in the Champagne region, France. Nearly 50 years after the first and only congress of the GA in France (Strasbourg), this congress stands symbol to the field's relevance globally, in Europe, and also in one or Europe's most important countries and economies, with a rich tradition in medicinal plants and their research and development. We do this in a moment when we face unprecedented challenges. May the discussions here help in overcoming these.

With my best regards and a heartfelt 'Merci' to all behind the congress' organization led by Prof. Jean-Hugues Renault and Dr. Pedro Lameiras.



Michael Heinrich

President of GA

Welcome

AFERP President

Dear colleagues, dear participants,

it is with great pleasure that I welcome you to Reims for the 74th International Congress and Annual Meeting of the GA, which the Francophone Association for Teaching and Research in Pharmacognosy (AFERP) is deeply honored to co-organize.

Every year, AFERP organises a scientific congress, often in partnership with other societies, to promote advances in the field of natural products. This 2026 meeting represents an exceptional opportunity for us to broaden our audience, to strengthen our collaborations, share our knowledge and inspire new scientific synergies, in a spirit of openness and exchange. This long-awaited event marks an important milestone in the history of our two societies.

I would therefore like to express our deepest gratitude to Professor Jean-Hugues Renault and Dr Pedro Lameiras for this initiative which will bring together the members of our two pharmacognosy societies for a few days.

We are delighted to welcome you to Reims, a city steeped in history, the former coronation city of the kings of France, and home to a remarkable architectural heritage. Above all, be sure to visit the magnificent cathedral – it's not to be missed ! But Reims is above all world-famous as the capital of Champagne, a jewel in the crown of our cultural and economic heritage. Here, the promotion of natural products is deeply rooted in the region, not only through wine production, but also as a hub for innovation in the circular economy and the valorisation of biomass. This theme, which is essential for the future of our world, will be one of the many topics addressed at this conference. It will cover all disciplinary fields related to natural products, regardless of their origins and applications, and will include many opportunities for collective discussions on future developments of natural products research, analytical, clinical and societal. A particularly important aspect has been to showcase our younger colleagues, who will have the opportunity to present their most promising works. We would like to congratulate them in advance on their commitment and the quality of their research, which is helping to shape the future of our discipline.

Finally, this conference would not be complete without the social events carefully organised by the committee. I am convinced that these moments of conviviality, discovery and exchange will leave lasting memories for each of us.

AFERP would also like to extend its warmest thanks to all members of the organizing committee, whose dedication and energy will make this event an exceptional experience. We wish you all an enriching meeting and fruitful discussions in the beautiful city of Reims.

On behalf of the AFERP Board of Directors,

Olivier Grovel



Committees

Congress Presidents

Prof. Jean-Hugues Renault, France

Dr. Pedro Lameiras, France

Local Organising Committee

Prof. Jean-Hugues Renault, France

Dr. Pedro Lameiras, France

Dr. Anthony Abou Dib, France

Dr. Julien Cordonnier, France

Dr. Pauline Blyweert, France

Dr. Simon Remy, France



The Organising Committee, from left to right: Dr. Pedro Lameiras, Dr. Anthony Abou Dib, Dr. Pauline Blyweert, Dr. Julien Cordonnier, Dr. Simon Remy, and Prof. Jean-Hugues Renault.

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Congress Venue

Reims Convention Centre

Made of metal, aluminium and glass, the Reims Convention Centre stands out with its sleek and elegant lines. Designed by Claude Vasconi, it combines a modern architectural style with a highly functional layout. Located along the canal, its glass roof opens onto a large landscaped park, creating a bright and pleasant atmosphere. Ideally situated in the heart of Reims, it is only a 5-minute walk from the historic city centre, nearby hotels, cafés, restaurants, and the TGV station.



15,000 m²
of covered
space



2 Theatre Halls
720 & 356 people



12 Meeting
rooms



Exhibition
space
2,500m²



1 Foyer Bar



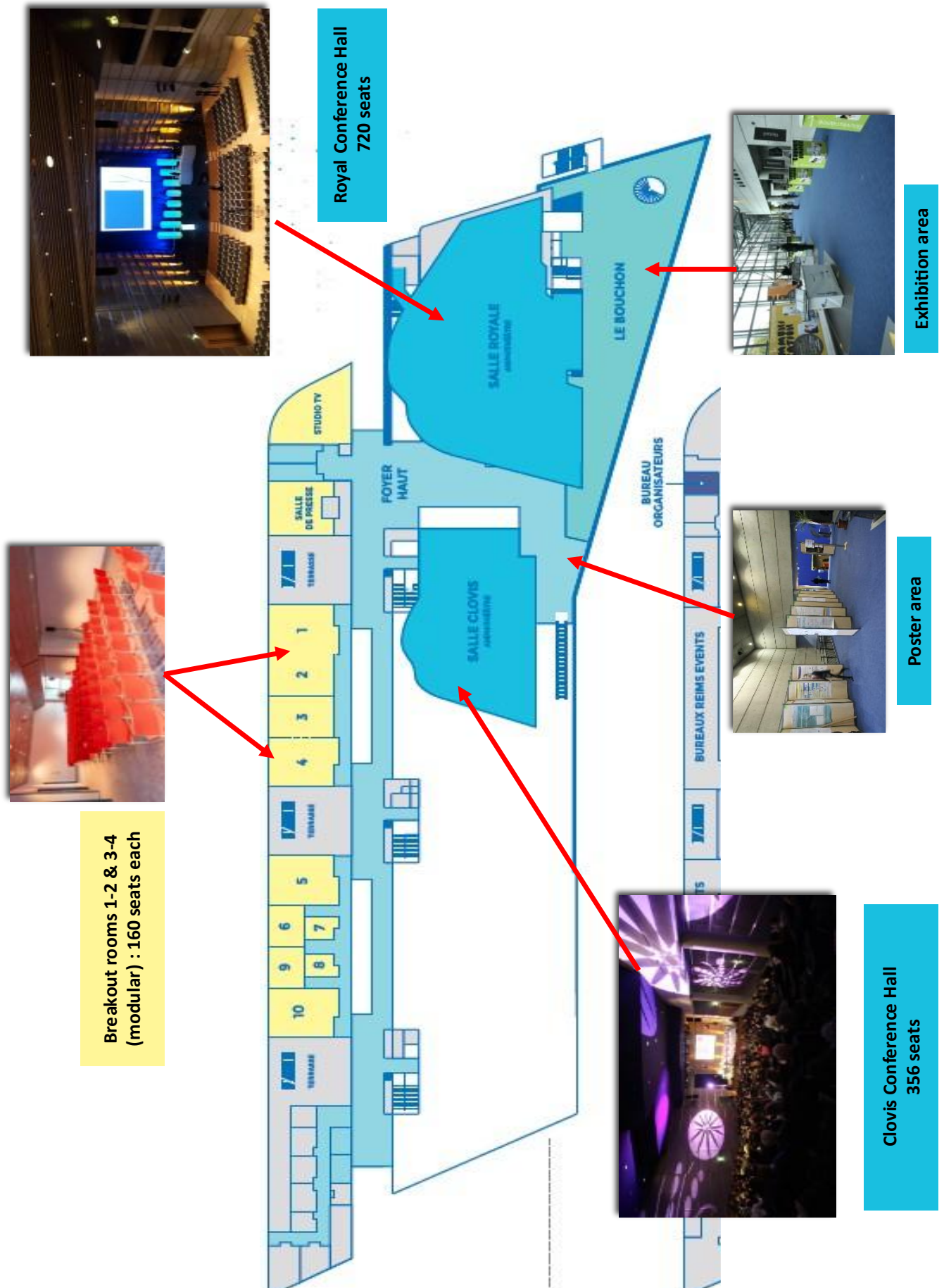
2 Catering
areas



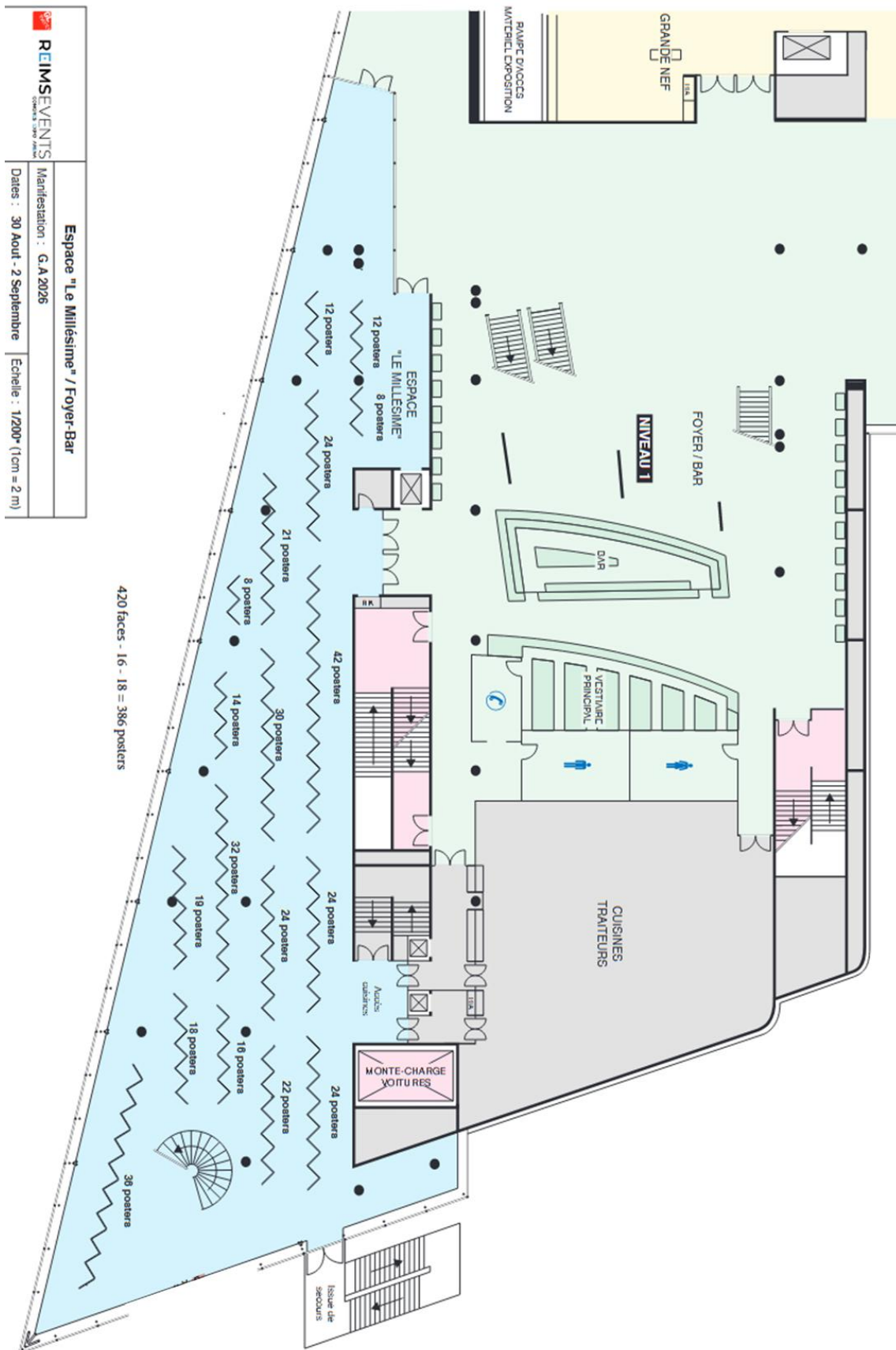
Covered car
park with
232 places

- On foot: The pedestrian entrance is through the Parc de la Patte d'Oie, from Boulevard du Général Leclerc.
- By bike: Reims has 45 self-service electric bike stations. The nearest station is Station no. 35: Le Manège de Reims, with access via Boulevard du Général Leclerc.

Reims Convention Centre - Floor Plan - 2nd Floor – Le Bouchon & Foyer Haut



Reims Convention Centre – Poster area – 1st Floor – Millésime & Foyer/Bar





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74TH GA INTERNATIONAL CONGRESS · REIMS, FRANCE

REIMS

UNESCO World Heritage city · Capital of Champagne



Welcome to Reims

Located just 45 minutes from Paris by TGV, Reims is at first sight a real history book open air. Chosen as the city of the coronations of the kings of France in memory of the baptism of Clovis, the city has since been shaped by every great moment in the history of France. This prestigious past leaves a legacy of monuments now listed as UNESCO World Heritage Sites, including the famous Notre-Dame Cathedral.

A special place in the history of France

Bishop Remi baptised Clovis towards the end of the 5th century, on the site of the current cathedral - the founding act of the emergence of the French nation. Reims went on to host a total of 33 coronations, including that of Charles VII, led by Joan of Arc in 1429. On 7 May 1945, the act ending the Second World War in Europe was signed in Reims, which remains a symbol of Franco-German reconciliation.

A worldwide recognised heritage

Notre-Dame Cathedral is one of the major achievements of Gothic art in Europe. Together with the adjoining Tau Palace and the Saint-Remi Abbey and Basilica, it is inscribed on the UNESCO World Heritage List. Reims is also home to a remarkable collection of 1920s Art Deco architecture, and to stained glass by masters old and new, including contemporary works by Marc Chagall in the cathedral.

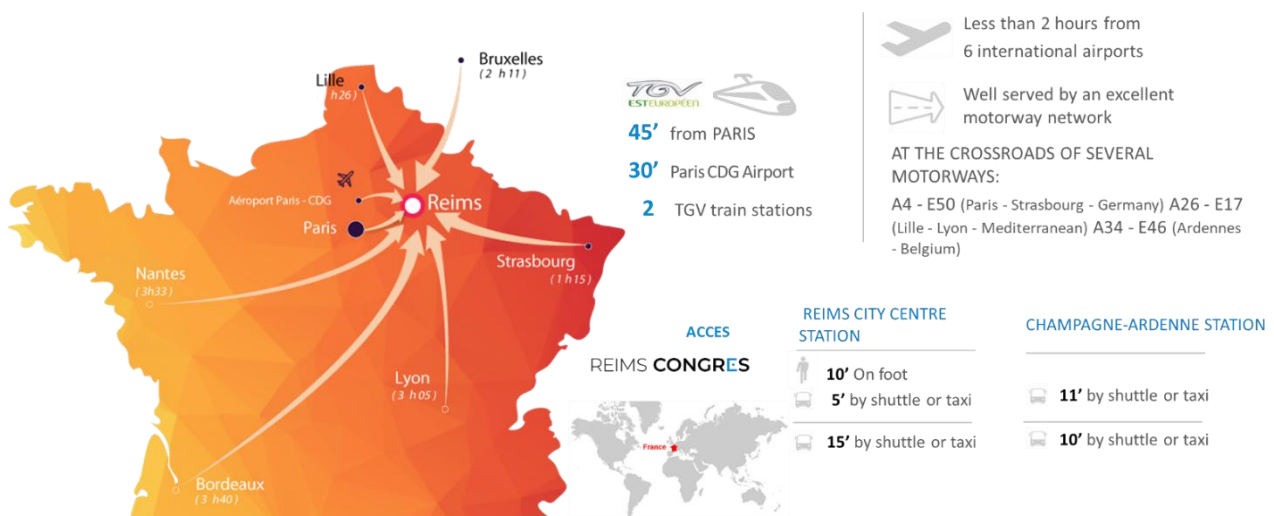
A city focused on nature and outdoor activities

Many parks and gardens allow, even in the city centre, a break to relax or play sports outdoors. The Green Corridor, a pedestrian and cycling path, runs along the canal that crosses Reims for about twenty kilometres, leading out towards the vineyards of the Regional Natural Park of the Montagne de Reims.

Champagne as ambassador of the region

Most of the great Champagne houses have their headquarters in Reims and welcome visitors to their cellars, set within some 120 kilometres of underground chalk-pit galleries - ideal conditions for storing tens of millions of bottles, some as deep as 70 metres below ground.

REIMS, EASY TO GET TO





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A SPECIAL 24-HOUR TICKET FOR GA 2026 REIMS PARTICIPANTS

MOBIDAY 24H TICKET
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The **Mobiday 24H ticket** is valid for one person and provides **unlimited travel for 24 hours**, starting from the first validation, throughout the Grand Reims Mobilités network.

Please note: the ticket must be validated again when making a connection.



HOW TO PURCHASE YOUR TICKET?

The **special congress fare** is available **exclusively** at the **Grand Reims Mobilités stand**, located at the **reception area of the Reims Convention Centre** (12 Bd du Général Leclerc, 51100 Reims).

- **When:** Sunday, **August 31** & Monday, **September 1** from **7:00 a.m.**
- **Payment:** credit/debit card or cash

Participants may purchase several tickets at the same time, including tickets for different congress days.

For more details, please visit the official Grand Reims Mobilités website:

www.grandreims-mobilites.fr

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GA 2026

REIMS | FRANCE
74th international congress of
the society for medicinal plant
and natural product research
August 30 - September 2, 2026



CONGRESS LIFE

SOCIAL PROGRAM

Discover Reims and its Champagne heritage



Social Program

Alongside the scientific programme, GA2026 offers a full social programme allowing participants to discover Reims and its Champagne heritage while networking in a relaxed setting.

Welcome Cocktail - Salons Degermann

Sunday, 30 August 2026 • starting 19:00

Free of charge for registered participants (limited capacity)

GA2026 opens with an informal welcome cocktail at the Salons Degermann, an elegant Art Deco reception house on Rue Buirette in the heart of Reims. Built in 1900 and rebuilt in its current form in 1923 by architect Charles Boesch, with interior sculptures by Charles Wary, the venue has hosted the city's grand social evenings for more than a century and is affectionately nicknamed 'the little Versailles' of Reims'.



Saint-Remi Museum Visit and Cocktail - Musée Saint-Remi

Monday, 31 August 2026 • starting 19:30

19:30 - 20:30 Visit

Free of charge for registered participants (limited capacity)

Before the Saint-Remi Museum Cocktail, participants are invited to enjoy a free visit of the Saint-Remi Museum from 19:30 to 20:30. This will be a great opportunity to discover the museum and its historical collections before the evening cocktail.

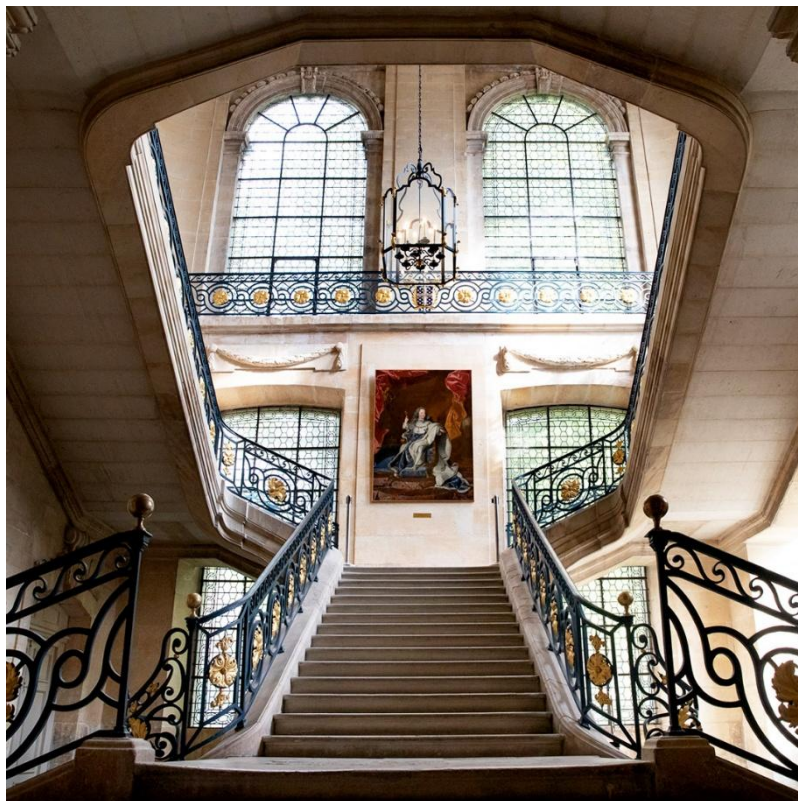


20:30 - 22:30 Cocktail

Free of charge for registered participants (limited capacity)

The Monday evening cocktail is held inside the Musée Saint-Remi, housed in the former royal abbey of Saint-Remi - together with Reims Cathedral and the Palace of Tau, inscribed as a UNESCO World Heritage Site since 1991. Participants are invited to stroll among the museum's Gallo-Roman and medieval collections, including the celebrated 16th-century tapestry cycle recounting the life of Saint Remi, the bishop who baptised Clovis, first King of the Franks.

A unique chance to enjoy a drink surrounded by more than a thousand years of Reims history.



Gala Dinner - Caveau Castelnau

Tuesday, 1 September 2026 • starting 19:30

The congress Gala Dinner takes place at Champagne Castelnau, just outside Reims - a Champagne house offering two modular reception spaces with a total capacity of 1,100 guests standing or 650 seated. The evening includes a cocktail reception, dinner, and Champagne, in the House's atmospheric vaulted caveau.



Champagne Castelnau - entrance



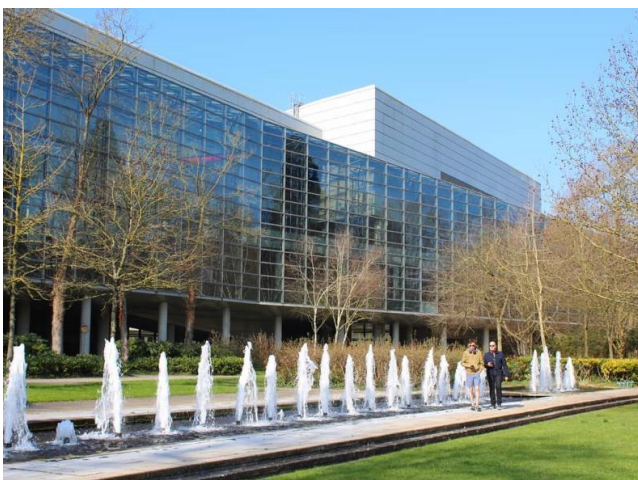
The Caveau Castelnau reception space

Wrap-up Cocktail - Parc de la Patte d'Oie

Wednesday, 2 September 2026 • starting 19:00

Free of charge for all registered participants

GA2026 closes on a light note with a wrap-up cocktail in the Parc de la Patte d'Oie, a 'Jardin Remarquable'- labelled park created in 1733 and redesigned around water features on the occasion of the Reims Convention Centre's construction in 1994. Fountains, a stream, a historic kiosk and bronze sculptures set the scene for a relaxed farewell, just steps from the congress venue.



GA 2026 Science Pitch Slam - Room 1-2

Monday, 31 August 2026 • from 17:35 to 19:05

Organised by the GA Industry Working Group

Coordinator:



Gaia A. Scalabrino, Ph.D., NatPro Executive Director, Board Member of the Society of Medicinal Plant and Natural Product Research, Irish Bioeconomy Forum Steering Group Member.

GA2026 puts translational research on the clock. In the Science Pitch Slam, 25 selected speakers – doctoral students, postdoctoral fellows and senior researchers from academia, start-ups and CDO settings – each have three minutes and no more than four slides to show a room of industry leaders and peers that their science is commercially viable. The time limit and the slide count are strict, and shortlisted presenters send their PowerPoint in advance, so everything rests on the sharpness of the pitch itself.

The session is coordinated by Gaia A. Scalabrino, Ph.D., NatPro Executive Director and Board Member of the Society for Medicinal Plant and Natural Product Research, and is sponsored by Bayer, Euromed, Haleon and HRS. Expressions of interest closed on 5 July 2026; shortlisted presenters receive the running order and their submission instructions by email.

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A multidisciplinary university, the **UNIVERSITY OF REIMS CHAMPAGNE ARDENNE (URCA)** is a place of cultural and intellectual openness whose vocation is the deepening of knowledge through teaching and research. Its fundamental values include high

standards, independence, humanism, the promotion of critical thinking, and openness to society. It applies the principle of secularism. Since 2016, the bioeconomy forms the URCA's identity. This theme is at the heart of its establishment project and the site project it is leading. The implementation of the bioeconomy also directly influences (i) the quality of the environment and (ii) the entire socio-economic organization. These areas are fully in line with the sustainable development objectives and the policies carried out at the local, regional, national and European levels, to respond to major societal challenges.

In July 2022, the university was awarded Excellence funding "Excellence in all its forms" as part of the Future Investment Plan with its **EXEBIO** project "Excellence in sustainable bioeconomy". Since January 2024, the university has created the International Institute in Bioeconomy and Environment which recognizes its excellence in research, training and innovation in its signature field: the bioeconomy and the environment.

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The Schwabe Group comprises several different affiliated companies in the pharmaceutical and health industry. All of the companies within the Group focus on plants as the basis for developing pharmaceuticals and health products. The original company of the Schwabe Group, which is now Dr. Willmar Schwabe GmbH & Co. KG, is one of the oldest pharmaceutical manufacturers in Europe and has a company history dating back 160 years.

Silver Sponsors



Notebook) CDD Vault turns

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discovery.



The mission of **Celabor** is to place the bioeconomy at the heart of industrial activities in order to create value, support innovation and enhance the societal impact of businesses. Inspired by nature - a symbol of efficiency, balance and renewal - we transform its resources into reliable, responsible and results-oriented solutions.

We act on the conviction that a high-performing economy can also

be one that protects and improves the world in which we live. Our biomass extraction platform is an innovation hub dedicated to the circular bioeconomy. Designed to transform organic waste into high-value-added resources, it utilises advanced fractionation processes such as extraction using green solvents or supercritical CO₂. This infrastructure enables the precise isolation of bioactive molecules, essential oils and fibres for the cosmetics, pharmaceutical, nutraceutical and energy sectors. By maximising the potential of each raw material, our industrial unit minimises its environmental footprint and actively supports the transition to a sustainable, low-carbon economy.



Frontiers in Pharmacology is the world's most cited pharmacology and pharmacy journal, advancing high-quality, peer-reviewed research to improve human health and therapeutic innovation. Our unique approach to research integrity brings together expert editorial boards, rigorous peer review, and AI-supported tools to ensure the highest quality standards. With 19 specialty sections, the journal covers the full spectrum of pharmacology, led by its prominent Ethnopharmacology section, dedicated to publishing research focused on the study of traditional medicines, including those used in modern healthcare settings and its pharmacological effects.



At **PhytoLab**, we understand that sound decisions in product development and quality assurance depend on accurate, reliable analytical data. In industries defined by complexity and regulatory demands, having a trusted analytical partner makes all the difference. PhytoLab offers a comprehensive range of analytical services for the characterization and quality control of raw materials, extracts, and finished products. From identity testing and quantitative analysis to stability studies and method development, our expert team supports clients across the pharmaceutical, nutraceutical, food, and cosmetics industries at every stage - from incoming goods inspection to final product release. Built on decades of analytical and regulatory expertise, PhytoLab delivers the scientific precision and transparency that modern quality assurance requires.

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Cfm Oskar Tropitzsch GmbH assists the chemical, pharmaceutical, and biotechnological industries in sourcing and producing chemical specialties. The core of its work is to supply the products customers are looking for - with the right documentation, the correct quantity from milligrams to metric tons, and proper quality. This is not limited to one - off transactions but includes supporting projects from the R&D stage up to commercial production. To achieve these challenging goals, Cfm

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Innovad Group is a global leader in animal health and nutrition, committed to revolutionizing the industry with sustainable, science-driven solutions. Our mission, "Nature Leading Animal Care," reflects our dedication to blending natural principles with cutting-edge scientific research to enhance animal welfare, productivity, and sustainability.



Lilichro Ltd. is a deep-tech company focused on Centrifugal Partition Chromatography (CPC), an advanced liquid-liquid separation technology enabling high-efficiency purification without solid stationary phases.

We design and manufacture pharmaceutical-grade systems used across pharma, biotech, and natural extract companies to purify complex mixtures with precision and scalability. From early R&D to full-scale production, we help teams reduce process risk, increase yield, and transition to a more sustainable, high-performance alternative to traditional chromatography. It's time to scale up!



Founded in 2004, **Magritek** is the global leader in manufacturing cryogen-free benchtop Nuclear Magnetic Resonance (NMR) spectrometers for the analytical instrument market. Magritek's revolutionary 100 MHz, 90 MHz, 80 MHz and 60 MHz Spinsolve family

of benchtop NMR models offers the highest sensitivity and resolution available on the market. These portable systems are robust and easy to use, allowing modern NMR methods to be performed on the chemistry lab bench or inside the fume hood next to a reactor. Magritek has offices in Germany, USA and New Zealand, as well as a worldwide network of partners to help support its customers. Learn more at www.magritek.com.



NatExplore is a French company specialized in the chemical profiling of natural resources including raw materials, extracts, and ingredients from high-value industries. The company conducts R&D analytical studies for partners in the cosmetics, pharmaceutical, food, agriculture, and biotechnology sectors.

As an expert in natural product research, NatExplore has developed advanced analytical workflows based on nuclear magnetic resonance (NMR) and high-resolution liquid chromatography–mass spectrometry (LC–HRMS), providing a comprehensive characterization of the composition of complex natural matrices. The company also benefits from an advanced metabolomics environment, including proprietary natural metabolite databases and dedicated computer tools that support the structural elucidation and annotation of natural metabolites.



MDPI is a leader in the transition to open science by making more research free and accessible to everyone. Over 4.5 million researchers have entrusted us with publishing their scientific discoveries. Our aim is to ensure that high-quality research is verified and made available to the research community as quickly as possible. MDPI stands at the forefront of the open access movement, having launched its first online

journal *Molecules* in 1996. Today, MDPI is a leader in open access publishing with more than 500+ journals across all research disciplines. Every article is published under a Creative Commons Attribution License.

- 669.1 K submissions received in 2025
- 500+ open access journals
- 18 days from submission to first decision in 2025 (median across all journals)
- 43 days from submission to publication in 2025 (median across all journals)
- 97% of 2025 articles covered in Web of Science
- 90+ journals covered in SCIE (Web of Science)
- 93% of submitting authors rate their overall experience with the peer review process as Excellent/Good
- 261.6 K articles published in 2025



At **Zeller**, we are dedicated to advancing modern phytotherapy through clinically proven herbal solutions. As the leading Swiss company in the development and manufacture of phytopharmaceuticals, we combine more than 160 years of expertise with a consistent commitment to scientific research, quality and innovation. One of the few companies to control the entire value chain “from seed to finished product”, Zeller stands for reliability, efficacy and safety. Our portfolio includes OTC products, prescription medicines and evidence-based food supplements supporting patients across a broad range of therapeutic areas.

Other Sponsors



Biokanol Pharma is a German pharmaceutical company specializing in women's health and animal health. For over 25 years, the company has developed high-quality products that combine scientific expertise with naturally inspired formulations.

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Patients increasingly seek therapies that deliver proven clinical efficacy without compromising tolerability. Guided by its commitment to Decoding Nature. Empowering Health., **Bionorica**® addresses this need

with evidence-based herbal medicines developed according to the highest pharmaceutical research and quality standards. Headquartered in Neumarkt, Germany, Bionorica® is a global leader in phytotherapy. Its products are trusted by physicians, pharmacists, and patients in more than 55 countries worldwide. With its unique Phytoneering approach, Bionorica® bridges ancient knowledge about the power of nature with state-of-the-art pharmaceutical technology to develop effective phytomedicines for respiratory and urinary tract diseases, women's health, and digestive disorders - consistently living its promise of Decoding Nature. Empowering Health.



EUROMED is a leading manufacturer of standardised botanical extracts, with more than 50 years of expertise in phytopharmaceutical research and production. Combining pharmaceutical-grade quality, proprietary water-based extraction technologies and fully traceable sourcing,

Euromed provides clinically researched, sustainable botanical ingredients to pharmaceutical, nutraceutical, food and cosmetic companies worldwide.



Botanicals, you know why

Founded in France in 2003 in the Anjou region, a center of medicinal plant production, **Nor-Feed** specializes in developing natural solutions for animal nutrition and health. The company was created with the vision that synthetic growth promoters would eventually be challenged

and replaced by effective natural alternatives. Through strong R&D partnerships with research institutes and laboratories specializing in plant science, Nor-Feed has developed a focused portfolio of botanical feed additives, including **Nor-Grape**® (grape extracts), **Nor-Spice AB**® (citrus extracts), **Norponin**® (saponin-rich plants), and **Nor-Oleum**® (natural essential oils). Since **2023**, Nor-Feed has been part of the **Adisseo Group**. Today, Nor-Feed employs more than **50 people** and sells its products in around **40 countries worldwide**. Through its botanical additives, the company supports sustainable livestock farming, animal health and welfare, biodiversity preservation, and the reduction of environmental impact and carbon footprint.



FLAVEX Naturextrakte GmbH specializes in the production of botanical extracts using supercritical carbon dioxide as a natural solvent. For over 40 years, the privately-owned company has served the cosmetics, perfumery, food, and nutraceutical industries with a wide

range of high-quality plant extracts. The clean and eco-friendly CO₂ extraction technology preserves the full spectrum of sensitive top notes and bioactive substances of herbs and spices, for example antioxidants, natural flavors, essential oils and special fatty oils. All products are developed, manufactured, and certified in Rehlingen-Siersburg, Germany, near the borders of France and the Benelux region.



PharmaGnose delivers cutting-edge R&D services and high-quality natural products for the pharmaceutical, cosmetic and agro-food industries. Guided by innovation, sustainability and the unique potential of Greek biodiversity, PharmaGnose combines advanced .research, green technologies and market-oriented product development to transform natural substances into valuable active

ingredients. With longstanding experience and deep expertise in aromatic and medicinal plants, particularly from the Mediterranean region, PharmaGnose combines scientific knowledge with a modern, innovation-driven approach to support the development of high-quality natural products for global markets, with a strong commitment to sustainability and excellence.



Phytosolutions is a company specialized in phytopharmaceuticals for modern animal production, based on essential oils, plant extracts, and organic acids. At Phytosolutions, we believe that nature can provide us with effective and sustainable solutions, while using botanical active ingredients to formulate our products. Our mission is simple: to

optimize the power of plants to improve animal health and well-being, without compromising the balance of the planet. We are FAMI-QS certified, committed to quality, safety, and continuous improvement. Located in Spain, Phytosolutions is an Alivira group company. The Alivira group is present in several areas of animal health, mainly in the manufacture and marketing of raw materials, pharmacologicals and complementary feed.



Pohl-Boskamp is one of Germany's leading mid-sized pharmaceutical companies. With several generations of expertise coupled with our pronounced innovative drive, we help patients all over the world with fast-acting and very well-tolerated medicinal products and medical

devices. Our independent family company, now in its fourth generation, develops and manufactures all our medicinal products and medical devices for the treatment of acute and chronic conditions in Schleswig-Holstein, handling every step of the production chain in-house. The company markets international branded products, for example for respiratory and cardiovascular conditions, as well as digital health products.

Planta Medica

Journal of Medicinal Plant and Natural Product Research

Planta Medica is a leading international journal devoted to high-quality research on natural products of any origin, from defined single compounds to complex mixtures. The journal covers compounds derived from plants, microorganisms, fungi, marine and other organisms, as well as biotechnologically and synthetically engineered natural products. It publishes experimental, preclinical, translational, and clinical studies in pharmacology and toxicology, together with research on the biological activities, mechanisms of action, chemical ecology, and chemical biology of natural products. Its scope includes natural product chemistry, advanced analytical methods, medicinal plant research, drug discovery, and target identification using *in silico*, cheminformatics, and AI-based approaches.



SaluVet is a medium-sized pharmaceutical company with a history of over 100 years and a great vision! Keeping animals naturally healthy, taking a holistic view of illnesses or health disorders and seeking solutions to problems with the help of natural preparations that take the animal into account in its entirety - that is our claim - our daily aspiration. At our site in Bad Waldsee (southern Germany), we develop and produce medicinal products, supplementary feeds, care products and biocides for animals. These are marketed under the four brands **Dr. Schaette**, **Dr. Schaette Horse**, **PlantaVet** and **SaluVet** to farmers, veterinarians and animal owners. Founded by the Schaette brothers in 1919, today we are a subsidiary of the WALA Foundation (Bad Boll).

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Scientific Topics

The GA2026 scientific programme is organised around twelve main topics, complemented by pre- & congress workshops:

No.	Topic
1	Circular bioeconomy: towards maximising the value and uses of natural resources
2	Bio- and chemodiversity of natural products: marine, terrestrial, and aerial (micro)organisms
3	Advanced analytical methods and chemo- and bioinformatics for efficient natural product discovery and development
4	AI-driven natural product research: potential, pitfalls, and future perspectives
5	Chemical ecology and holobiont interactions
6	Pharmacology and safety of herbal medicines
7	Functional foods, cosmetics, and nutraceuticals
8	Pharmacological and biological activities of natural products: drug discovery (clinical, in vivo, in vitro, and in silico approaches)
9	Green chemistry, biotechnology, and bio-inspired approaches for sustainable production processes: innovations for high-value products
10	Herbal medicinal products and quality control
11	One Health and veterinary phytomedicine
12	Natural products facing climate change: challenges and responsibilities
WK13	Early Career Researchers Workshop (ECRW)
WK14	Vet Symposium: Animal Healthcare and Veterinary Phytotherapy (VET / AHS)
WK15	African Research Network Workshop (ARN)
WK16	Access Benefit Sharing / Nagoya Workshop
WK17	Regulatory Affairs Workshop – The Future of Herbal Medicinal Products
WK18	The noBS Initiative Workshop
WK19	Round Table CPC & CCC

CONGRESS WORKSHOPS



Pre-Congress Workshops Program

Early Career Researchers Workshop (ECRW) 2026

Sunday, 30 August 2026 • 08:30 - 14:30 • Clovis amphitheatre

Coordinator: Dr. Emerson F. Queiroz, University of Geneva, Switzerland



The Early Career Researchers' Workshop (ECRW) offers the unique opportunity to present data as a short talk (10+5 min) in a free and relaxed atmosphere, with special emphasis on intense discussion between all participants. The Early Career Researcher Workshop (ECRW) will commence with a welcome note, followed by an inspiring two keynote lectures from an established scientist. This distinguished speaker will provide valuable insights into their research area and offer guidance on initiating and advancing a scientific career. The core of the workshop will feature a series of short presentations by early career researchers. After the event, the ECRW jury will select and honor the two best presentations, awarding prizes to the recipients during the conference.

ECRW keynote speakers



Prof. Jakub Piwowarski graduated in pharmacy from the Medical University of Warsaw. He is the head of the Microbiota Lab, as well as the Department of Pharmaceutical Microbiology and Bioanalysis at MUW. He serves as the CEO of the startup Microbiota Med sp. z o.o. He has led research projects funded by the National Science Centre, the National Centre for Research and Development, Medical Research Agency and the Ministry of Science and Higher Education Poland. Recipient of the Alexander von Humboldt Foundation fellowship and a START scholarship from the

Foundation for Polish Science. He has completed numerous international research internships, including in Germany (Freie Universitaet Berlin), United Kingdom (University of Glasgow), and Austria (Medical University of Vienna). He serves as an editor for Journal of Ethnopharmacology, Scientific Reports, and Journal of Functional Foods. His scientific interests focus on the study of the human microbiome and the biological activity of natural products and their metabolites.



Prof. Sebastian Granica a young scientist of outstanding activity. He received his doctoral degree in 2014, his habilitation only 2 years later, and since 2021 he has held the title of professor. His work includes over 130 scientific papers. He has been the PI of projects funded by the National Science Center and the Ministry of Science and Higher Education. In 2014 he was awarded by the Foundation for Polish Science in the START program, and in 2015 he received a prestigious scholarship of the Ministry of Science and Higher Education for outstanding young scientists. As part of his scientific

activities, he has completed a number of internships and study visits in Germany, Italy, the Czech Republic, Austria or Ukraine, among others. He conducts active scientific cooperation with domestic and foreign centers. His scientific interests include phytochemical analysis of plant materials, identification of compounds and development of methods for quantitative and qualitative determination of secondary metabolites in plants and biological material.

Detailed timetable

Time	Session
07:30 – 08:30	Registration
08:30 – 08:40	Welcome note - Dr Emerson F. Queiroz
08:40 – 09:20	Impulse lecture (35 + 5 min) - Prof. Jakub Piwowarski & Prof. Sebastian Granica
09:20 – 09:35	Short lecture 1 (10 + 5 min) - Johannes Gafriller <i>Enterococci under pressure: Can Morus alba break the resistance?</i> ECRW-04

Time	Session
09:35 – 09:50	Short lecture 2 (10 + 5 min) - Lauriane Lenen <i>Simultaneous structural and quantitative analysis of bioactive compounds in Picea abies bark extract by quantitative 2D ^1H-^{13}C HSQC NMR</i> ECRW-10
09:50 – 10:00	Coffee break
10:00 – 10:15	Short lecture 3 (10 + 5 min) - Liyanage Senevirathne <i>Methyl jasmonate increases phytocannabinoid content and induces metabolic reprogramming in the glandular trichomes of Cannabis sativa L.</i> ECRW-09
10:15 – 10:30	Short lecture 4 (10 + 5 min) - Hope Ogiogio <i>Persea americana (avocado) peel extract reduced pro-inflammatory cytokine production and increased heme oxygenase-1 protein expression in human intestinal epithelial cells</i> ECRW-08
10:30 – 10:45	Short lecture 5 (10 + 5 min) - Lo-Yun Chen <i>Anti-Inflammatory Potential of Briareum Briaranes via Keap1 Inhibition: An Integrated Computational Assessment</i> ECRW-03
10:45 – 11:00	Short lecture 6 (10 + 5 min) - Viktoria Bachtin <i>Pectic polysaccharides from Aronia melanocarpa (Michx.) Elliot fruits: Isolation, structural elucidation and TLR-mediated pro-inflammatory activity</i> ECRW-01
11:00 – 11:15	Short lecture 7 (10 + 5 min) - Anton Zürgbig <i>Gaining nanoscopic insights into the mechanism of action of antifungal drugs via Atomic Force Microscopy</i> ECRW-12
11:15 – 11:30	Short lecture 8 (10 + 5 min) - Tobias Blank <i>Comprehensive Metabolite Profile and Cytotoxic Constituents of Cryptolepis decidua</i> ECRW-02
11:30 – 13:00	Lunch
13:00 – 13:15	Short lecture 9 (10 + 5 min) - Vanessa Wiegand <i>Bioactivity-guided isolation of secondary metabolites from Ramularia collo-cygni with activity against Mycobacterium tuberculosis</i> ECRW-11
13:15 – 13:30	Short lecture 10 (10 + 5 min) - Akshay Raghoonadan <i>Fighting fungus with flora: the healing power of Cape Pelargonium</i> ECRW-06
13:30 – 13:45	Short lecture 11 (10 + 5 min) - Alexandro Roggio <i>Kellerin from Ferula assa-foetida impairs leukocyte adhesion through Rac1-dependent inhibition of LFA-1 activation</i> ECRW-07
13:45 – 14:00	Short lecture 12 (10 + 5 min) - Christina Koufali <i>Natural deep eutectic solvent extraction optimization of alkaloids from Mitragyna speciosa: A methodological evaluation</i> ECRW-05
14:00 – 14:15	Break for internal jury discussion
14:15 – 14:30	Awards - Two prize categories, incl. a cash prize

Animal Healthcare and Veterinary Phytotherapy Symposium

Sunday, 30 August 2026 • 08:30 - 17:00 • Room 1-2

Coordinators:



Marta Mendel (PhD, DSc, Warsaw University of Life Sciences, Poland) completed her veterinary studies at the Faculty of Veterinary Medicine of the Warsaw University of Life Sciences (SGGW) in 2005, earning the title of professional veterinarian. Since then, she has continued her academic career at the University as a researcher and academic teacher, earning a doctoral degree (2010) and a postdoctoral title (2018). She is the former Dean of the Faculty of Veterinary Medicine and currently serves as the Vice-Rector for Internationalization and the First Deputy-Rector at Warsaw University of Life Sciences.

Her research interests encompass the pharmacological evaluation of medicinal plants and plant-derived bioactive compounds, with a particular focus on their application in veterinary medicine. Her work employs in vitro and ex vivo experimental models to assess the biological activity of phytochemicals on gastrointestinal physiology and to

investigate the underlying mechanisms governing their effects.

She is the Co-coordinator of Animal Health Network within the Society of Medicinal Plants and Natural Product Research.



Michael Walkenhorst (PhD, Forschungsinstitut für biologischen Landbau, Switzerland) is a veterinarian with a doctorate in veterinary phytotherapy. He has worked at the Research Institute for Organic Agriculture in Frick, Switzerland for more than 20 years. There he heads the Department of Farm Animal Science together with his colleague Florian Leiber. His research focuses on preventive herd medicine for livestock and clinical and ethnoveterinary research on the use of medicinal plants in livestock. He is also involved in education and training for farmers, veterinarians and agronomists. The regulatory aspects of the use of plants rich in secondary metabolites in animals also always play an important role.

since 2022: Co-Leader of the Department of Livestock Sciences at the Research Institute of Organic Agriculture (FiBL, CH) with the main focus on preventive veterinary medicine, including reduction of antibiotic input as well as the preventive and therapeutic use of medicinal plants and natural products in livestock.

since 2014: Co-Leader of the group “Animal Health” of the Department of Livestock Sciences

1998 – 2014: Starting as doctoral student, since 2002 junior scientist and since 2006 senior scientist and project manager at the Department of Livestock Science of the Research Institute of Organic Agriculture (FiBL, CH).

This workshop is organised by the GA networking group on Medicinal Plants and Natural Products in Animal Healthcare and Veterinary Medicine, the symposium covers animal self-medication, ethnoveterinary medicine, veterinary pharmacology of medicinal plants, and feed additives and animal healthcare products based on plants rich in phytochemicals.

The symposium will cover the following aspects:

- animal self-medication
- ethnoveterinary medicine
- veterinary pharmacology of medicinal plants
- science and practice of veterinary phytotherapy
- clinical, in vivo, and in vitro research with medicinal plants or natural products for animals
- feed additives and animal health care products based on plants rich in phytochemicals

The programme will comprise keynote lectures, invite short communications, and contributed presentations. Research contributions related to animal health and veterinary applications within the main congress will be showcased in a poster session organized as part of the Pre-Congress Symposium. In parallel, an international industry exhibition will feature companies presenting herbal feed additives, veterinary medicinal products, and phytogenic health solutions for animals. Scheduled breaks will provide opportunities for extensive professional ex-change and networking among scientists, practitioners, and industry representatives.

Detailed timetable

Time	Session
8:30 – 9:10	Registration
9:10 – 9:15	Welcome
9:15 – 10:30	Impulse lectures • 9:15 – 9:45 Impulse Lecture I: Herbal Veterinary Medicinal Products: a European legal perspective - Sophie Barreteau, ANMV - French agency of veterinary medicinal products, France • 9:45 – 10:15 Impulse Lecture II: Veterinary phytotherapy: herbs and medicinal plants to prevent and treat livestock diseases - Michael Walkenhorst, FiBL - Research Institute of Organic Agriculture, Switzerland • 10:15 – 10:30 Q&A Session
10:30 – 11:15	Coffee Break, Posters, and Industrial Exhibition
11:15 – 12:50	Veterinary Phytopharmacology and Clinical Research • 11:15 – 11:45 Keynote Lecture I: Essential oils and essential oil components as antimicrobial agents in veterinary medicine - Matthias Melzig, Freie Universität Berlin, Germany • 11:45 – 12:00 Invited Short Lecture: Discovery of Antiparasitic Lead Compounds from Medicinal Plants in China for Veterinary Drug Development - Xiaofei Shang, Chinese Academy of Agricultural Sciences, China • 12:00 – 12:15 Contributed Short Lecture I: Botanical supplementation: an effective approach to manage tail biting in pigs farm - Claire Maltret, Nor Feed, France • 12:15 – 12:30 Contributed Short Lecture II: Safety and efficacy of inhaled essential oils for the treatment of respiratory conditions in horses - Isabelle Lussot-Kervern, Veterinary phyto-aromatherapy network, RéPAAS, France • 12:30 – 12:50 Q&A Session
12:50 – 14:00	Lunch-Break, Posters, and Industrial Exhibition
14:00 – 15:15	Ethnoveterinary medicine • 14:00 – 14:30 Keynote Lecture: Historic and current ethnoveterinary use in Britain and Ireland - William Milliken, United Kingdom • 14:30 – 14:45 Invited Short Lecture: Thirty years of experience in prospecting the Brazilian biodiversity for veterinary medicines - Ivana Barbosa Suffredini, Núcleo de Pesquisas em Biodiversidade – NPBio, Brasil • 14:45 – 15:00 Contributed Short Lecture: Contributing to the MedPlants4Vet project: Ethnoveterinary plant knowledge in the Catalan linguistic area - Fuencisla Cáceres, Universitat de Barcelona, Spain • 15:00 – 15:15 Q&A Session
15:15 – 15:45	Coffee Break, Posters, and Industrial Exhibition
15:45 – 17:00	Animal Self Medication • 15:45 – 16:15 Keynote Lecture: From Orangutan Self-Medication to Antiparasitic Drug Discovery - Ivona Foitová, Masaryk University Brno, Czechia

Time	Session
	• 16:15 – 16:30 Invited Short Lecture: When Poison Becomes Medicine: Chemical Ecology and Self-Medication in the Great Bustard - Carolina Bravo Parraga, Universidad Complutense de Madrid, Spain • 16:30 – 16:45 Contributed Short Lecture: Self-medication behavior through the consumption of supplemental feed in chickens under heat stress - Laurence Guilloteau, INRAE, France • 16:45 – 17:00 Q&A Session
16:45 – 17:00	Wrap-up of the Symposium

African Research Network Workshop (ARN) 2026

Sunday, 30 August 2026 • 15:00 - 18:00 • Clovis amphitheatre – Remote option

Coordinator: PD Dr. rer. nat. habil. Cica Vissiennon, [Universität Leipzig, Germany](#)



Pre-congress workshop 'African Natural Products Research - Current Trends and Future Perspectives'. The African Research Network invites you to a pre-congress workshop as part of the 74th International Congress and Annual Meetings of the Society for Medicinal Plant and Natural Product Research (GA 2026). This event will focus on current research trends, innovations, and collaborative opportunities in African medicinal plants and natural products. The workshop aims to showcase natural products research by African scientists and their international partners, strengthen networks across the continent and beyond, and stimulate new ideas for translation, innovation, and capacity building. The African Research Network is a thematic network of the Society for Medicinal Plant and Natural Product Research (GA), dedicated to fostering research, innovation, and collaboration in African natural products. The ARN connects researchers, young scientists, industry representatives, and policymakers across Africa and globally.

ARN keynote speakers



Prof. Fidèle Ntie-Kang (University of Buea, Cameroon) is an Associate Professor of Pharmaceutical Chemistry at the Department of Chemistry, University of Buea in Cameroon, where he also heads the Centre for Drug Discovery. After studying chemistry and physics at the University of Douala in Cameroon, he completed a PhD in physical science at the Center for Atomic Molecular Physics and Quantum Optics (CEPAMQ), University of Douala, focusing on computer-aided drug design. After working briefly at the Department of Chemistry (University of Buea), he moved to Germany where he carried out postdoctoral research under Prof. Wolfgang Sippl leading to a habilitation in pharmaceutical chemistry. His research has been focused on chemoinformatics for natural products research, a topic in which he is an editor of a book series. Besides, his team has been building and testing small molecules of

natural and synthetic origin in the search for active molecules, e.g. antivirals, antimalarials, antidiabetics, and anticancer agents. He holds several editorial board appointments and is passionate about drug discovery from natural products identified from African medicinal plants as well as pseudo-natural products derived by fragment-based hybridization. He has received several awards, including the Commonwealth Professional Fellowship (Leeds, UK), Georg Forster postdoctoral fellowship from the Alexander von Humboldt Foundation (Bonn, Germany), the Calestous Juma Science Leadership Fellowship from the Bill & Melinda Gates Foundation (1 million US Dollars) and another joint grant awarded by the BMGF and LifeArc to develop an African-derived Natural Product Box. He is a part of several consortia, including being a founding member of the Grand Challenges African Drug Discovery Accelerator (GC-ADDA) consortium and a founding member of the Cameroon Academy of Young Scientists. He was previously a guest professor at the Technische Universität (Dresden, Germany) and an adjunct professor at Nelson-Mandela African Institution of Science and

Technology (Arusha, Tanzania). His major contribution is the development of the African Natural Products Database. He is the 2025 Royal Society of Chemistry Natural Product Reports Emerging Investigator Lectureship award winner, the first African to receive the award and a member of the first cohort of the Cameroon Academy of Young Scientists. He has published over 150 papers and has been cited over 5,000 times (with an H-index of 39).

Detailed timetable

Time	Session
15:00	Welcome
15:05	Impulse Lecture: Drug Discovery Inspired by African Natural Products - Prof. Fidèle Ntie-Kang, University of Buea, Cameroon
15:25	SHORT LECTURE SESSION 1 • SL1: Harnessing African Microbial Diversity for TB Drug Discovery: Collaborative Opportunities with the University of Illinois at Chicago - Enock Mpofu, University of Illinois at Chicago, USA • SL2: Effect of Drying Techniques and Ascorbic Acid Pretreatment on Volatile Composition and Physicochemical Stability of <i>Siphonochilus aethiopicus</i> - Siphosanele Moyo, Agricultural Research Council, South Africa • SL3: Assessing the Safety of Selected South African Medicinal Plants Through In Vitro and In Vivo Toxicity Assays - Kevine Kanama, Tshwane University of Technology, South Africa
16:10	COFFEE BREAK
16:40	Award Winner Pitch: ARN Entrepreneurs in Natural Products Research Pitch Competition 2026: IMAFAM – Biofortified Multigrain Nutrition Solution for Infants and Lactating Mothers - M.O. Oyedeki Amusa, IMAFAM Team, Uganda
16:45	FLASH TALKS • FL1: How do Rural Communities Use Plants to Manage Livestock? Evidence from Amathole District in Eastern Cape, South Africa - Xoli Bawa, North-West University, South Africa • FL2: Biological Activities of <i>Vachellia nilotica</i> (L.) (<i>Acacia nilotica</i>) and <i>Ziziphus mucronata</i> Willd. Leaf Extracts - Nokwethemba Msimango, Agricultural Research Council, South Africa • FL3: Triterpenoids from <i>Loeseneriella africana</i> Exhibit Potent Activity Against Chloroquine-Resistant <i>Plasmodium falciparum</i> - Daniel Anokwah, University of Cape Coast, Ghana • FL4: Nutri-Medicinal Properties of Some Plants Used During Pregnancy in Bloemfontein, South Africa - Idah Manduna, Central University of Technology, South Africa • FL5: Agroforestry Including Medicinal Plant Species: A Sustainable Strategy for Climate Resilience, Ethical Supply Chains and Community Well-being - Enass Salih, University of Helsinki, Finland
17:05	SHORT LECTURE SESSION 2 • SL4: Bones, Plants, and Heritage: Traditional Bone Setting Practices in Uganda - Godwin Anywar, Makerere University, Uganda • SL5: Phytochemical Profiling of <i>Lonchocarpus eriocalyx</i> Harms and its Hemoglobin S Polymerization Inhibition and Antiplasmodial Activity - Godfrey Sambayi, University of Antwerp, Belgium • SL6: A South African Medicinal Plant <i>Buxus natalensis</i> (Oliv.) Hutch (Buxaceae) Induces Apoptosis in Cancer Cells via Caspase-p53-BCL-2-Dependent Pathway - Tshepiso Makhafola, Central University of Technology, South Africa • SL7: African Medicinal Plant Research: A Bibliometric Landscape, Translational Barriers, and a Roadmap for the Future - Alvaro Viljoen, Tshwane University of Technology, South Africa
18:00	End of Event

Note:

SL1 – SL7 = Short Lectures (10 min + discussion, on-site participation required).

FL1 – FL5 = Flash Talks (3 min pre-recorded video to be submitted until 14 Aug 2026, remote participation, +1 min live discussion).

Access Benefit Sharing / Nagoya Workshop

Sunday, 30 August 2026 • 9:00 - 14:30 • Room 3 – Remote option

Topic: 'Access Benefit Sharing in Natural Product Research: From challenges to best practices?'

- Natural product research increasingly involves questions related to access to genetic resources and compliance with international regulations. This dedicated workshop will provide valuable insights into the practical implementation of the Nagoya Protocol, regulatory requirements, and best practices for researchers, institutions, and industry stakeholders working with biological resources.
- Whether you are already involved in international collaborations or wish to better understand ABS obligations, this workshop will offer an exchange on practical questions and expert perspectives, with the aim to leverage and establish best practices in the field.

Detailed timetable

Time	Session
Welcome and introduction by the chairmen (09:00 – 09:20)	
09:00 – 09:10	Opening (10 min) – Prof. Dr. Michael Heinrich, UCL, UK <i>ABS – the context</i>
09:10 – 09:20	Opening (10 min) – Dominic Muyldermans, 3bio, Belgium <i>ABS – the principles</i>
Lectures and Discussions (09:20 – 11:05) • Academic perspectives (user countries and provider countries)	
09:20 – 09:30	Short lecture 1 (10 min) – PD Dr. Verena Spiegler, Münster, Germany <i>ABS agreements in the context of early career researchers' qualification</i>
09:30 – 09:45	Short lecture 2 (15 min) – Prof. Dr. Sebastian Günther, Greifswald, Germany (online) <i>Experiences with the Nagoya Protocol in Basic Research in Pharmaceutical Biology</i>
09:45 – 10:00	Short lecture 3 (15 min) – Prof. Dr. Fidele Ntie-Kang, Buea, Cameroon <i>Academic perspectives from Sub-Saharan Africa</i>
Industry and mixed perspectives (user countries and provider countries; DSI)	
10:00 – 10:20	Short lecture 4 (20 min) – Dominic Muyldermans, 3bio, Belgium <i>Deconstructing ABS management in the private sector: challenges, examples and recommendations</i>
10:20 – 10:30	Short lecture 5 (10 min) – Bruna Gomes Maia, 3bio, Brazil <i>Navigating Brazil's ABS Framework: Key Considerations for the Phytotherapy Sector</i>
10:30 – 10:40	Short lecture 6 (10 min) – Dr. Aboli Girmé, Natural Remedies, India <i>ABS / Nagoya Protocol & the Indian Perspective</i>
10:40 – 10:50	Short lecture 7 (10 min) – Dr. Stefan Gafner, ABC, Austin, Texas <i>A Look at the Nagoya Protocol from the United States Perspective</i>
10:50 – 11:05	Short lecture 8 (15 min) – Dr. Jasmina Muminovich, Bayer CS, Almeria, Spain (online) <i>Latest developments in ABS: Multilateral Mechanism for DSI</i>
Working sessions	
11:15 – 12:00	Breakout groups to collect best practices (with coffee)
12:00 – 13:00	Networking lunch
13:00 – 13:30	Presentation of breakout group results
13:30 – 14:15	Panel discussion on best practices – with all lecturers

Time	Session
14:15 – 14:30	Summary and farewell by the chairmen

Group	Topic
Group 1	How to Approach ABS Focal Points?
Group 2	How to Manage ABS in the Value Chain?
Group 3	How to Cope with the Differences of the Country-Specific Legal Framework?
Group 4	How Could/Should the Framework Be Harmonized?
Group 5	Derivatives – What's In, What's Out?
Group 6	Development vs. Keeping a Commodity on the Market: Multi-Batch & Combination Products
Group 7	Time Point for PIC and MAT
Group 8	How to Handle Well-Known / Ubiquitous Resources or Products?
Group 9	What Do the Provider Countries Want? Priorities
Group 10	Improvements of the System: Where to Start? ONLINE

Regulatory Affairs Workshop – The Future of Herbal Medicinal Products

Monday, 31 August 2026 • 13:00 - 17:00 • Room 3-4



Coordinator: Prof. Dr. Rudolf Bauer, Chairman, Foundation Plants for Health

The pharmaceutical legislation in the European Union has been revised. The workshop offers information on the changes and discusses the consequences for Research & Development and the options available to industry for obtaining marketing authorisation.

Detailed timetable

Time	Session
13:00 – 13:10	Welcome - Prof. Dr. Rudolf Bauer, Graz, FPfH
13:10 – 13:35	HMPC's view on utilisation of RWD for herbal medicinal products - Prof. Dr. Olga Palomino, HMPC Repres.
13:35 – 14:00	New projects in RWD - Prof. Dr. Beatrice Bachmeier, Univ. Frankfurt
14:00 – 14:25	Self-Medication with Herbal Medicinal Products in Europe: Bridging Industry Market Data and Independent Prevalence Research - Prof. Dr. Apfelbacher
14:25 – 14:45	Discussion - Prof. Dr. Rudolf Bauer
14:45 – 15:15	Coffee Break
15:15 – 15:35	Market Developments of Herbal (Medicinal) Products in Europe - Dr. Bernd Roether, Neumarkt, Germany
15:35 – 15:55	An Expert Perspective on the Future of Herbal Medicinal Products in Europe - Prof. Dr. Carmen Purdel, HMPC Chair
15:55 – 16:15	Herbal medicinal products – current status, challenges and future developments - Prof. Dr. Werner Knöss, BfArM
16:15 – 16:35	How to reinstall phytotherapy in the European health system? - Prof. Dr. Ioanna Chinou, Univ. Athens
16:35 – 16:55	General discussion - Dr. Barbara Steinhoff, FPfH
16:55 – 17:00	Wrap up and conclusion - Prof. Dr. Rudolf Bauer, Graz, FPfH

The noBS Initiative Workshop: Revolutionizing Data Sharing Advances NP Research

Monday, 31 August 2026 • 17:30 - 19:00 • Room 1-2

Coordinators:



Dr. Emerson F. Queiroz (University of Geneva, Switzerland)



Prof. Jean-Luc Wolfender (University of Geneva, Switzerland)

The noBS Initiative (nobs.naturalproducts.net) has roots in natural product (NP) chemistry, pharmacognosy, and chemical ecology. noBS bring together analytical know-how for bioactive molecules, health products, and drugs that integrate metabolomic, chemical, ecological, and pharmaceutical methodologies. Following strong interest at the 2025 GA Conference, noBS aim to foster sharing of raw spectroscopic data (NMR, MS, etc.) and empower NP analysis via computational spectroscopy, theoretical chemistry, and advanced analytical technologies. Central to this vision is the integration of diverse spectral and structural datasets on the noBS Portal to enhance data reuse and NP discovery. At the 2026 GA in Reims, noBS will highlight recent progress in structural elucidation, explain practical digital workflows for data management, and showcase the first version of the noBS Portal for collaborative NP research. Current activities involve a universal generic numbering system for natural products, the development of searchable text-based data formats, and improved interoperability between NMR and MS data processing tools, the generation of nuclear genotypes for NPs, and the streamlined global integration of datasets within the noBS platform.



Detailed timetable

No.	Session
1	Introduction <i>Background information and workshop overview</i>
A – NP Molecules (metabolites)	
2	Chemical Structures & Nomenclature <i>Identifiers, atom numbering, stereochemistry</i>
3	Why 3D Matters <i>About conSTITUTION, conFIGURATION, and conFORMATION</i>
B – NoBS Portal & Core Functions *NEW*	
4	THE FRAMEWORK – Portal Architecture & Core Functionality <i>Architecture, modules, functionality</i>
5	THE COMPOUND – Compound Record Creation <i>Structure import, drawing, validation, and automatic numbering</i>

No.	Session
6	THE SPIN – NMR Data Integration & Interpretation <i>Assignment workflows, processing, publication-ready reporting</i>
7	THE MASS [M-rep] – MS Data Integration <i>MS1/MS2 import, mol. formula determination, adduct documentation</i>
8	THE CARBON FLOW [C-rep] – ¹³C NMR Dereplication <i>New tools for pure compounds and complex mixtures</i>
9	THE PROTONS [H-rep] – HiFSA / QM-NMR Workflows <i>Nuclear genotyping, spectral matching, structural validation, nmrXiv integration</i>
C – Summary & Interactive Discussion	
10	Community needs, future developments, potential collaborations

Presenters: MA Beniddir, S Beteinakis, S Derbré, M Halabalaki, P Korhonen, GF Pauli, C Simmler, JL Wolfender

2026 Questionnaire



You are welcome to participate!

noBS Webpage



nobs.naturalproducts.net

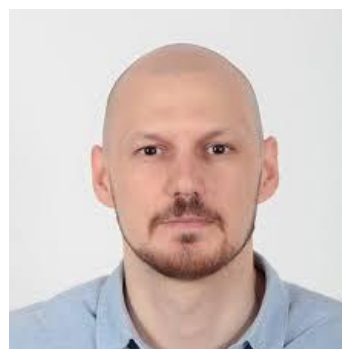
Round Table CPC & CCC - Building the Future of Support-Free Liquid-Liquid Chromatography

Wednesday, 2 September 2026 • 07:30 - 08:30 • Room 1-2

Coordinators:



Jean-Hugues Renault (ICMR, Université de Reims
Champagne-Ardenne)



Simon Vlad-Luca (ICOA, Université d'Orléans)

CPC and CCC at a Turning Point: Building the Future of Support-Free Liquid-Liquid Chromatography

Counter-Current Chromatography (CCC) and Centrifugal Partition Chromatography (CPC) are entering a decisive phase in their development. Over the past decades, these support-free liquid-liquid separation techniques have demonstrated their unique capabilities and have become well established in many academic and industrial R&D laboratories, particularly in natural products chemistry. However, their broader deployment in industrial production and large-scale purification remains more limited than their potential would suggest.

At the same time, the field is evolving rapidly. Long-standing stakeholders are redefining their involvement, while new manufacturers and technology providers are introducing innovative solutions and fresh perspectives. These developments coincide with a growing demand for greener, more sustainable separation processes, reduced environmental impact, and accelerated workflows enabled by increasingly powerful chemical profiling and analytical

tools. In this changing landscape, CPC and CCC possess many of the attributes required to address future scientific, technological and industrial challenges. Their continued development will, however, depend on the ability of the community to share experiences, identify priorities, foster collaborations and attract new users. This breakfast seminar and round-table discussion aims to bring together the diverse actors of the field - academic researchers, industrial users, instrument manufacturers, technology developers, experienced practitioners, and newcomers alike. Through a series of short keynote contributions followed by an open discussion, participants will be invited to exchange views on the current state of the field, emerging opportunities, technological needs and future directions. Beyond a simple scientific discussion, the objective is to strengthen and expand the CPC/CCC community, encourage new initiatives and collaborations, and collectively prepare the next international event dedicated to these powerful, support-free liquid-liquid separation technologies.

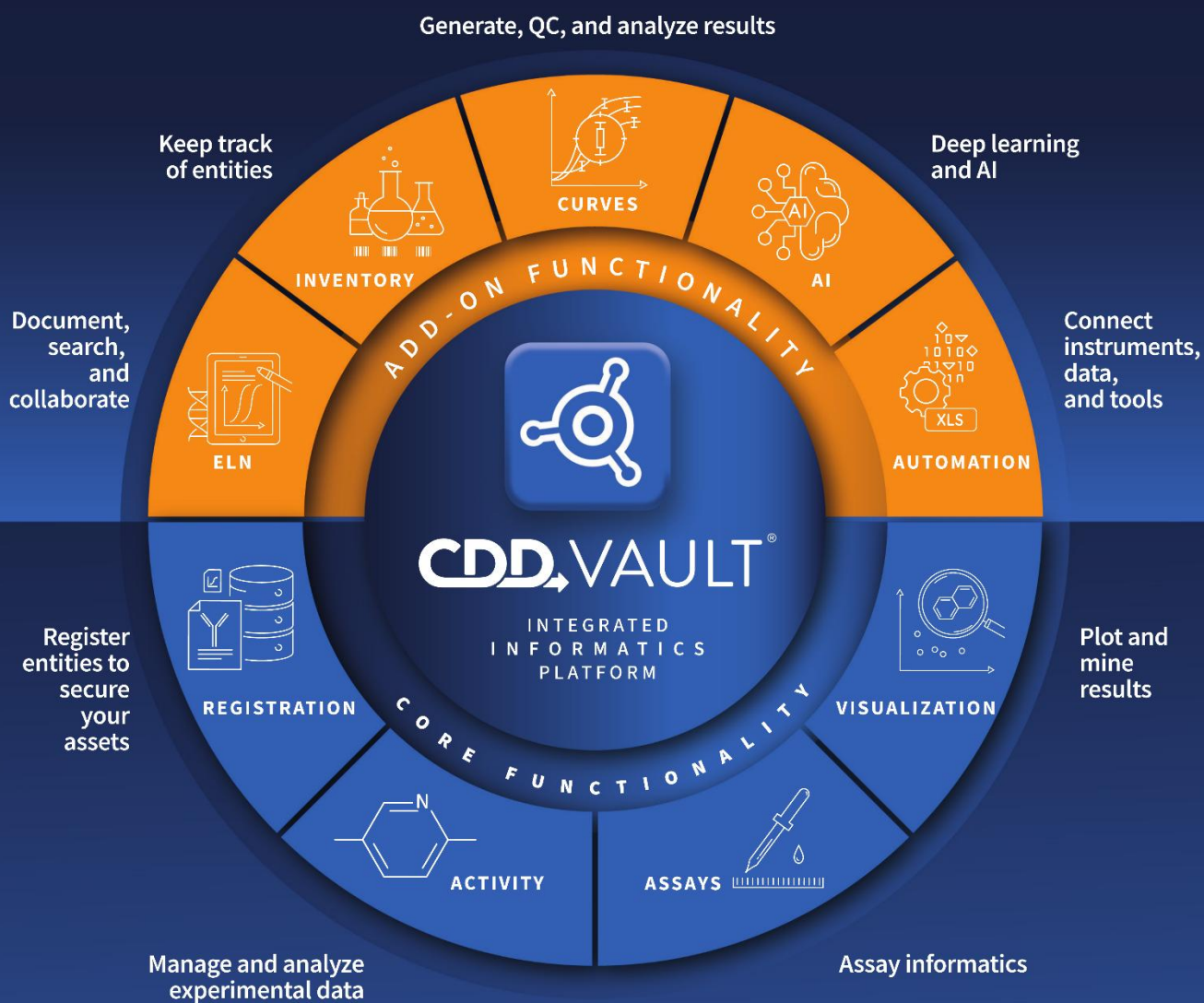
Detailed timetable

Time	Session
7:30 – 7:35	Workshop introduction • Pr. Simon-Vlad-Luca – Université d'Orléans, France
7:35 – 8:20	Invited lectures • 7:35 – 7:50 The big picture and “why CCS” – Pr. Guido F. Pauli – University of Illinois at Chicago, USA • 7:50 – 8:05 The use of CCS for producing high-purity isolates in sufficient amounts for bioassays – Pr. Krystyna Skalicka-Woźniak – Medical University of Lublin, Poland • 8:05 – 8:20 CPC & CCC at a turning point: from preparative chromatography to integrated process technologies – Pr. Jean-Hugues Renault – Université de Reims Champagne-Ardenne, France
8:20 – 8:30	Discussions and Q&A Session



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MAIN SCIENTIFIC PROGRAMME

PLENARY SPEAKERS

Twelve topics, twelve voices in natural product research



Plenary Speakers

Plenary lectures are held each morning and afternoon in the Conference hall Royal, one per main scientific topic. Speaker order below follows the topic numbering; see the Programme at a Glance for exact day and time.



Dr. Nicola Fuzzati

Active Ingredients Research Director, CHANEL Parfums Beauté, France

Topic 1 - Circular bioeconomy: towards maximising the value and uses of natural resources

• Monday 31 August, 11:15 - 11:45 • Conference hall Royal

Nicola Fuzzati holds a master's degree in Chemistry (University of Ferrara, Italy) and a PhD in Chemistry (Phytochemistry and Pharmacognosy Institute, University of Lausanne, Switzerland). He has co-authored more than 30 scientific publications and has 30 years of experience in the identification, development and production of active principles derived from plants for pharmaceutical and cosmetic products. From 1996 to 2008 he was responsible for the Spectroscopy Laboratory within the R&D division of Indena (Industria Derivati Naturali, Italy), working on the characterisation of extracts and pure products and the development of analytical methods.

A member of the Italian Phytochemical Society, he contributed (2003-2008) to the European Pharmacopoeia monographs as the Italian expert in organic chemistry (natural products) and phytochemistry. In 2008 he was appointed Purchasing Manager of Indena. Since 2012, as Director of the Ingredients Innovation and Development Department (CHANEL Research and Technology), he is in charge of the research and production of cosmetic active ingredients, starting from plant material collected worldwide.



Prof. Franck-Dominique Vivien

Professor of Ecological Economics, University of Reims Champagne-Ardenne (URCA), France

Topic 1 - Circular bioeconomy: towards maximising the value and uses of natural resources

• Wednesday 2 September, 11:45 - 12:15 • Conference hall Royal

Franck-Dominique Vivien is Professor of Ecological Economics at the University of Reims Champagne-Ardenne (URCA). He directs the Centre de Recherche Interdisciplinaire Économie Gestion (CRIEG) and its main research team, REGARDS. He is a member of the Research Commission of the International Institute of Bioeconomy and Environment EXEBIO, URCA's representative within the Chaire Comptabilité écologique, and one of the editors-in-chief of the interdisciplinary journal *Natures Sciences Sociétés*.

His interdisciplinary research, spanning the humanities, social sciences and natural sciences, has focused on the economics of sustainable development and the ecological transition - from government and firm strategies on ozone-layer depletion in the 1990s, to the economic instruments of the Convention on Biological Diversity, and, for the past fifteen years, to green chemistry, bioeconomy and circular economy. Since 2004 he has led postgraduate degrees in environmental and sustainable-development economics at URCA, and currently heads its master's degree in Sustainability Sciences.



Dr. Mirjam Czjzek

Director of Research (DR1, CNRS), Station Biologique de Roscoff, France

Topic 2 - Bio- and chemodiversity of natural products: marine, terrestrial, and aerial (micro)organisms

• Monday 31 August, 11:45- 12:15 • Conference hall Royal

Born 10 August 1961 in Knoxville, Tennessee, USA (German and American nationality). After studying chemistry at the University of Frankfurt am Main, Germany, Mirjam Czjzek received her PhD in chemistry at the Technische Hochschule Darmstadt in 1990, working on small-molecule crystallography and the structure-function relationship of zeolites as catalysts. In 1991 she joined the LCCMB at CNRS-Marseille for a post-doctoral position on the structural studies of electron-transport proteins in sulphur-reducing bacteria and was recruited as a permanent CNRS researcher there in 1992. In 1997 she joined the group of Bernard Henrissat at the AFMB, Marseille, working on the structure-function relationship of cellulases, glycosidases, and carbohydrate-active enzymes - the subject on which she specialised for the rest of her career.

In 2005 she moved to Roscoff to build a protein crystallography platform for marine biology, becoming group leader of the 'Marine Glycobiology' group at the Station Biologique de Roscoff, focusing on the structure-function relationship of carbohydrate-active enzymes in marine microbial metabolisms. Today she develops integrative strategies to understand the biochemistry of carbon recycling by marine microbial communities.



Prof. Maria Halabalaki

Professor, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, National and Kapodistrian University of Athens (NKUA), Greece

Topic 2 - Bio- and chemodiversity of natural products: marine, terrestrial, and aerial (micro)organisms

• Monday 31 August, 15:00-15:30 • Conference hall Royal

Maria Halabalaki is the author of more than 165 papers in peer-reviewed journals, with work presented at more than 80 international conferences, and belongs to the coordinating team of more than 20 EU and 60 national research programmes. In 2015 she was awarded Egon Stahl in silver, and in 2023 the Bionorica Phytoneering award for outstanding research in the development and application of phytopharmaceutical products. She is a member of several national and international committees and societies, including the Board of Directors of the GA society and the Group of Experts in the European Pharmacopoeia (EDQM working group 13A for Herbal Drugs and Herbal Drug Preparations) and EMA committees.

Her scientific interests centre on natural products chemistry and pharmacognosy - extraction, isolation and structural elucidation of bioactive natural compounds - and in recent years on analytical methods for the qualitative and quantitative characterisation of medicinal plant extracts and foods by LC-HRMS and NMR, dereplication, quality.



Dr. Julien Boccard

Lecturer & Researcher, School of Pharmaceutical Sciences, University of Geneva, Switzerland

Topic 3 - Advanced analytical methods and chemo- and bioinformatics for efficient natural product discovery and development

• Monday 31 August, 13:45-14:15 • Conference hall Royal

Julien Boccard is a lecturer and researcher at the School of Pharmaceutical Sciences of the University of Geneva, with a strong focus on advanced data analysis and chemometrics applied to metabolomics. With an academic background in biology complemented by expertise in bioinformatics and statistical modelling, he develops data-processing workflows and multivariate strategies to extract meaningful biological insights from complex, high-dimensional datasets. He is a specialist in advanced multivariate analysis in metabolomics and in the development of robust computational approaches for multifactorial, multiblock and multiway data structures, publishing in leading chemometrics and metabolomics journals.

He serves on the boards of the Swiss Metabolomics Society and the French Chemometrics Group, and previously on the board of the French-speaking Metabolomics and Fluxomics Network (RFMF). As an engaged educator, he teaches data analysis and chemometrics across multiple academic levels and contributes to international training initiatives and MOOCs. His interdisciplinary collaborations span metabolomics, toxicology, plant science and biomedical research.



Dr. Jonathan Bisson

Researcher & Software Engineer, Collaborative Drug Discovery

Topic 4 - AI-driven natural product research: potential, pitfalls, and future perspectives

• Tuesday 1 September, 08:45-09:15 • Conference hall Royal

Jonathan Bisson works at the intersection of natural products science and modern informatics. He led the redesign of NAPRALERT, one of the world's most comprehensive natural products databases, and co-created LOTUS, the largest public-domain collaborative natural products resource on Wikidata. Before joining Collaborative Drug Discovery in 2021, he served as a Research Assistant Professor at the University of Illinois at Chicago, leading NIH-funded efforts in antibiotic discovery and building custom tools for mining biomedical literature, managing high-throughput instrumentation, and advancing natural product research.

At CDD, he contributes to infrastructure automation, cheminformatics tooling, and the integration of AI and large language model technologies into the Vault platform. He holds a PhD in Interface Chemistry-Biology from the Université de Bordeaux and has spent over a decade working across computational chemistry, pharmacognosy, software development, open data, ontology design and full-stack research informatics.



Dr. Véronique Eparvier

Research Director, CNRS, France

Topic 5 - Chemical ecology and holobiont interactions

• Tuesday 1 September, 09:15 - 09:45 • Conference hall Royal

Véronique Eparvier is a research director at the CNRS and head of the 'Functional Chemistry - Chemical Ecology' team at the Institute of Natural Substances Chemistry (ICSN, CNRS-University of Paris-Saclay), and deputy coordinator of the 'Medicinal Chemistry and Natural Substances' department at ICSN.

She obtained her PhD in natural product chemistry at the National Museum of Natural History (Paris) in 2005. She began her career at CNRS-Guyane, setting up a pioneering programme on the chemodiversity of Guyanese flora, before joining ICSN in 2011, where she developed research programmes on symbiotic microorganisms and created an original library of microbial strains. She obtained her accreditation to supervise research (HDR) in 2013 and has been a CNRS research director since 2020.

Her research lies at the interface of chemistry, biology and ecology, focusing on microbial chemodiversity associated with plant and animal holobionts, resulting in more than 80 peer-reviewed publications and five patents. In 2016 she was awarded the Air Liquide Trophy for scientific research in environmental sciences.



Prof. Rudolf Bauer

Professor Emeritus, University of Graz, Austria

Topic 6 - Pharmacology and safety of herbal medicines

• Tuesday 1 September, 10:15 - 10:45 • Conference hall Royal

Rudolf Bauer studied pharmacy and received his PhD at the University of Munich, Germany. In 1993 he became Associate Professor at the University of Düsseldorf, and in 2002 was appointed full professor of pharmacognosy at the University of Graz, Austria, where he headed the Institute of Pharmaceutical Sciences from 2004-2020. Since October 2024 he is Professor Emeritus at the University of Graz.

His research focuses on the phytochemical and pharmacological investigation of traditionally used medicinal herbs, quality control, identification of active constituents, plant metabolomics, and interactions with gut microbiota. He served as president of GA from 2002-2007, of the International Society of Ethnopharmacology from 2015-2017, and as founding president of the GP-TCM Research Association from 2012-2014.

He has published more than 420 research papers (h-index 83), edited several books, and currently chairs expert group 13A of the European Pharmacopoeia Commission. His awards include the Egon-Stahl-Award of GA, the Varro Tyler Prize of the American Society of Pharmacognosy, the Qihuang International Prize, and honorary doctorates from the universities of Helsinki and Szeged.



Prof. Judith Rollinger

Professor of Pharmacognosy/Pharmaceutical Biology, Head of 'Phytochemistry & Biodiscovery', University of Vienna, Austria

Topic 8 - Pharmacological and biological activities of natural products: drug discovery (clinical, in vivo, in vitro, and in silico approaches)

• Tuesday 1 September, 11:45 - 12:15 • Conference hall Royal

Judith Maria Rollinger is Professor of Pharmacognosy/Pharmaceutical Biology and Head of 'Phytochemistry & Biodiscovery' at the University of Vienna, where she pioneers data-driven strategies for nature-based drug discovery, bridging natural product research with computational science.

She has served as Senator of the University of Vienna since 2019 and held a defining leadership role in the natural product community as President of GA from 2020 to 2023, with additional terms as Vice President, strengthening global collaboration and championing early career researchers.

Her research programme integrates cheminformatics, biochemometry and experimental phytochemistry as well as traditional medicine to discover novel natural lead structures targeting antimicrobial resistance, infectious diseases, metabolic syndrome and inflammation. She currently coordinates the €2.5 million FWF-funded DocFunds programme Anti-Infectives Drug Discovery (AIDD).



Dr. Stefan Gafner

Chief Science Officer, American Botanical Council, USA

Topic 10 - Herbal medicinal products and quality control

• Wednesday 2 September, 08:45 - 09:15 • Conference hall Royal

Stefan Gafner is Chief Science Officer of the American Botanical Council and Director of the ABC-AHP-NCNPR Botanical Adulterants Program, a large-scale collaborative programme educating the herbal and dietary supplement industry about ingredient and product adulteration. He previously served as Director of Analytical Chemistry in the R&D department of Tom's of Maine.

He received his pharmacy degree from the University of Berne, Switzerland, a PhD in pharmaceutical sciences (chemistry of medicinal plants) from the University of Lausanne and conducted postdoctoral research on cancer chemopreventive natural products at the University of Illinois - Chicago.

Gafner is author or co-author of over 85 peer-reviewed publications and holds 5 patents. He is a member of the advisory board of GA and of the editorial boards of the Journal of Ethnopharmacology and *Planta Medica*.



Prof. Anna Rita Bilia

Department of Chemistry 'Ugo Schiff', University of Florence, Italy

Topic 10 - Herbal medicinal products and quality control

• Tuesday 1 September, 15:30 - 16:00 • Conference hall Royal

Anna Rita Bilia is full professor of pharmaceutical technology at the University of Florence, and former Director of the Post-graduate School of Hospital Pharmacy. In 1995 she received the national award 'Claudio Redaelli' for outstanding young researchers in phytochemistry, and in 2002 the international 'Egon Stahl Medal'. In 2018 she received the Qihuang International Prize from the China Association of Chinese Medicine, and in 2026 the international 'ABC Norman R. Farnsworth Excellence in Botanical Research Award'.

She leads the group of natural products analysis and pharmaceutical technology at the Department of Chemistry and is president of the Interdepartmental Center of Services for Biotechnologies of Agrarian, Chemical, Industrial Interest (CIBIACI) of the University of Florence. She is an expert of the European Pharmacopoeia and member of the TCM group, former president, vice-president and board member of GA, and Italian delegate of the board of directors, member of the scientific committee and vice-chair of ESCOP.

Prof. Bilia's list of publications shows more than 280 papers in the most reputed international journals of her field, and she is the author of numerous invited book monographs and chapters.



Prof. Sabrina Krief

Professor, Muséum national d'Histoire naturelle, France

Topic 11 - One Health and veterinary phytomedicine

• Wednesday 2 September, 16:20-17:05 • Conference hall Royal

Sabrina Krief is a veterinarian, holds a PhD in ecology and the chemistry of natural substances, and is a Professor at the Muséum national d'Histoire naturelle. Since 1997 she has been studying wild chimpanzees in Africa, and in 2008, together with her husband, founded the Sebitoli Chimpanzee Project research and conservation station in Kibale National Park, Uganda.

She conducts research on the use of medicinal plants from tropical forests by chimpanzees and on the identification of bioactive molecules relevant to health, as well as on the effects of human-driven environmental changes - pollution, forest fragmentation, and poaching - on the health and behaviour of chimpanzees and African elephants.

On behalf of the Muséum, she leads the Forest, Wildlife and Populations in Uganda project, supported by the French Facility for Global Environment (FFEM), and co-leads Pillar 1 of the One Forest Vision initiative, developing simple, free AI tools for monitoring wildlife in tropical forests.



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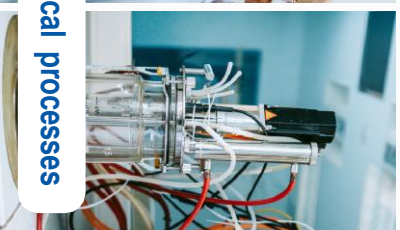


Experienced multidisciplinary team



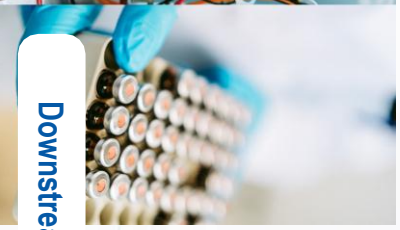
Extraction development & scale-up

- Supercritical CO₂ Extraction — 5 L/batch
- Subcritical Water Extraction — 5 L/batch
- Solvent Extraction — 60 - 350 L
- Ultrasound Assisted Extraction — 2-60 L
- Microwave Assisted Extraction — 5 L
- Pulsed Electric Fields — up to 350 L/h
- High-Pressure Homogeniser (HPH): 10L/h



Fermentation & biotechnological processes

- Aerobic and anaerobic fermentation
- Cellular biomass and metabolite production
- Valorisation of agro-industrial wastewater and solid waste
- Microbial biomass production: bacteria, fungi and moulds
- Bioremediation of HC, PCB, PAH and sulfur compounds



Downstream processing & analytics

- Laboratory- and pilot-scale ultra- and nanofiltration
- Pilot-scale resin adsorption chromatography
- Molecular distillation
- CPC, MPLC and preparative HPLC
- Laboratory- and pilot-scale centrifugation, evaporation, freeze-drying and spray-drying
- Advanced analytical laboratory : UPLC-MS • GC-MS/MS • ICP-MS • HPLC-DAD-ELSD
- Shelf life and safety analysis - Climatic chambers
- In vitro biological platform (Colorimetric enzymatic assays) : Folin, FRAP, DPPH, ORAC, Elastase, Collagenase, Tyrosinase, Hyaluronidase & MMPs

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Programme at a Glance

MAIN CONGRESS PROGRAMME · DAY 1

MONDAY

31st August 2026



Main Congress Program

Monday 31st August 2026

07:30 - 08:30 REGISTRATION OPEN - MAIN CONGRESS (*Ground Floor*)

08:30 - 10:45 OPENING CEREMONY

(*Royal and Clovis Conference Halls – video broadcast - 2nd Floor*)

10:45 - 11:15 COFFEE BREAK (*2nd Floor*)

11:15 - 12:15 PLENARY LECTURE SESSION

Topic 1. Circular bioeconomy: Towards maximising the value and uses of natural resources

Topic 2. Bio- and chemodiversity of Natural Products: Marine, terrestrial and aerial (micro)organisms

(*Royal and Clovis Conference Halls – video broadcast - 2nd Floor*)

Chairs:

Prof. Alessandra Braca (University of Pisa, Italy)

Dr. Véronique Eparvier (University of Paris-Saclay, France)

11:15 - 11:45 **PL-01** – Dr. Nicola Fuzzati – Chanel, France - Topic n°1

From one crop to multiple ingredients: A circular bioeconomy approach to eco-design cosmetic ingredients

11:45 - 12:15 **PL-02** – Dr. Mirjam Czjzek – Sorbonne University, France - Topic n°2

Exploring the diversity of algal polysaccharides through the catabolic enzymes from marine bacteria

12:15 - 13:45 LUNCH TIME (*1st Floor - NEF*)

13:45 - 14:45 PLENARY LECTURE SESSION

Topic 2. Bio- and chemodiversity of Natural Products: marine, terrestrial and aerial (micro)organisms

Topic 3. Advanced analytical methods and chemo- and bioinformatics for efficient Natural Product discovery and development

(*Royal and Clovis Conference Halls – video broadcast - 2nd Floor*)

Chairs:

Prof. Léandros Skaltsounis (University of Athens, Greece)

Prof. Judith Rollinger (University of Vienna, Austria)

13:45 - 14:15 **PL-03** – Dr. Julien Boccard – University of Geneva, Switzerland - Topic n°3

From data structures to meaningful patterns: A chemometric perspective in plant metabolomics

14:15 - 14:45 **PL-04** – Prof. Maria Halabalaki – University of Athens, Greece - Topic n°2

Metabolomic approaches in food bioactives

14:45 - 14:55 SHORT BREAK

14:55 - 15:55 PARALLEL SESSIONS – SHORT LECTURES

Topic 3. Advanced analytical methods and chemo- and bioinformatics for efficient Natural Product discovery and development

(Royal Conference Hall - 2nd Floor)

Chairs:

Prof. Alessandra Braca (University of Pisa, Italy)

Prof. Louis-Felix Nothias (Université Côte d'Azur, France)

14:55 - 15:10 SL-001 Novel sample preparation for the pre-treated biomass characterization using MALDI-FTICR
S. DEVOS, P. RENQUET, A. LE MASLE, F. BATAILLE, E. NICOL, D. TOUBOUL

15:10 - 15:25 SL-002 Comprehensive evaluation of MS-based metabolite annotation in Natural Products using knowledge graphs
L. LE GRÉGAM, M. PAGNI, F. MEHL, P. ALLARD, L. CAPELLETTI, A. RUTZ, M. FERRAUD, P. SMEROS, A. ZVIAGIN, L-F. NOTHIAS, J-L. WOLFENDER

15:25 - 15:40 SL-003 A chemoinformatic approach to identify lineage-specific and putative novel metabolites in Bignoniaceae
M. SANTOS DO ROSÁRIO, K. KUČEROVÁ, T. HEBRA, A. BOUILLÉ, J.D. SMITH, L. GARCEZ LOHMANN, T. DAMIANI, H. MANNOCHIO-RUSSO, T. PLUSKAL, V. DA SILVA BOLZANI

15:40 - 15:55 SL-004 Drug discovery using native MS: Protein-ligand complexes and beyond
M. LIU, X. XUE, T. MAK, Y. GU, R. QUINN

Topic 2. Bio- and chemodiversity of Natural Products: Marine, terrestrial and aerial (micro)organisms

(Clovis Conference Hall - 2nd Floor)

Chairs:

Dr. Amandine Flourat (URD ABI, AgroParisTech Innovation, France)

Prof. Jakub Piwowarski (Medical University of Warsaw, Poland)

14:55 - 15:10 SL-005 Bioactive, previously unreported highly oxidised marasmane sesquiterpenoids isolated from the Australian Ascomycete fungus *Kretzschmaria* Fries.
L. COE, P. BERNHARDT, J. BLANCHFIELD, K. AGNEW-FRANCIS, J. DE VOSS

15:10 - 15:25 SL-006 Metabolomic assessment of chemical diversity in clinical and environmental *Aspergillus fumigatus* isolates from Switzerland and identification of markers associated with azole resistance
R. MARCELLIN-GROS, N. LECOULTRE, S. SCHNEE, K. GINDRO, D. SANGIARD, A. RIAT, L. MARCOURT, E. QUEIROZ, J. WOLFENDER

15:25 - 15:40 SL-007 Unprecedented natural products discoveries from North and South American Basidiomycetes
B. PETIT, A. JAGELS, I. MICHRAFY, J. NAFIE, G. DYER, E. MARSHALL, C. RIQUELME, J. CABRERA PARDO, J. STROTHER, J. SLOT, S. LOESGEN

15:40 - 15:55 SL-008 Non-targeted metabolomics of wild *Solanum* species for improving crop resilience
K. GILL, W.A. CHAN, K. GARDNER, L. NOLAN

Topic 1. Circular bioeconomy: towards maximising the value and uses of natural resources

(Room 1-2 - 2nd Floor)

Chairs:

Dr. Raimundo Goncalves de Oliveira Junior (University of Paris Cité, France)

Prof. Nikolas Fokialakis (National and Kapodistrian University of Athens, Greece)

14:55 - 15:10 SL-009 From marginal biomass to high-value extracts: A path toward zero-waste bioeconomy
E. STERLIN, M. HAMZAOU, J. TCHOUMTCHOUA

15:10 - 15:25 SL-010 Valorization of food industry sidestreams: NMR-based multitarget characterization of protein hydrolysates for process monitoring
G. NARDINI, K.H. LILAND, M.S.M. HOLMSEN, K.R. DANKEL, D. EKEBERG, M. NIEMITZ, G.F. PAULI, N.K. AFSETH, K.A. KRISTOFFERSEN

15:25 - 15:40 SL-011 Bioactivity of green extracted borage seed cake: An upcycled source of antioxidant, anti aging and photoprotective agents

D. CHEDID

15:40 - 15:55 SL-012 Beyond polyphenols: Cold-induced bioactive compounds in ice wine grape pomace for skin firmness

L. ZEBIRI, A. CARON, A. MANDEAU, J. LEIGNADIER, J. ATTIA

15:55 - 16:20 COFFEE BREAK (2nd Floor)

16:20 - 17:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 3. Advanced analytical methods and chemo- and bioinformatics for efficient Natural Product discovery and development

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Julien Boccard (University of Geneva, Switzerland)

Prof. Krystyna SKALICKA-WOŹNIAK (Medical University of Lublin)

16:20 - 16:35 SL-013 Identification of μ -opioid receptor ligands from *Picralima nitida* using molecular networking and profiling of their G-protein selectivity *via* BRET

D. LOVÁS, O. DURYDIVKA, M. KUCHAR

16:35 - 16:50 SL-014 Phylogeny-guided dereplication of secondary metabolite biosynthetic pathways encoded in understudied fungal species reveals an extensive hidden chemical diversity

M. BOLLLOT, K. BHATT, L. GIBOT-LECLERC, M. MILLOT, L. MAMBU, J. COLLEMARE

16:50 - 17:05 SL-015 IMPulator: Integrated computational tool to evaluate the genuine lead potential of Natural Products

Y.R. DASARI REDDY, C. ABAD-ZAPATERO, G. PAULI

17:05 - 17:20 SL-016 Universal semi-quantitation of major plant extract constituents by UHPLC-HRMS-CAD employing inverse post-column gradient compensation

A. ZVIAGIN, J. ACHKHANIAN, L. LE GREGAM, J. HUBERT, R. DE VAUMAS, L. LOFFREDO, S. GAFNER, J. HERITIER, D. CALLAHAN, A. RUTZ, A. KOTLAND, Y. DAALI, J.-L. WOLFENDER

17:20 - 17:35 SL-017 Exploration of Alchornea cordifolia leaves' extract to identify new chemical leads against *Toxoplasma gondii*

G. DEGOTTE, K. TUO, S. REMY, J. CORDONNIER, R. JAMBOU, I. VILLENA, V. GREIGERT

16:20 - 17:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 2. Bio- and chemodiversity of Natural Products: marine, terrestrial and aerial (micro)organisms

(Clovis Conference Hall - 2nd Floor)

Chairs:

Dr. Mirjam Czjzek (Sorbonne University, France)

Prof. Mehdi Beniddir (University of Paris-Saclay, France)

16:20 - 16:35 SL-018 CoreSeedMet: Towards the identification of a conserved specialized metabolome in seeds

A. LE CABEC, T. HEBRA, F. PERREAU, S. BOUTET, T. PLUSKAL, M. CORSO

16:35 - 16:50 SL-019 Microbial symbiont of stingless bee produces potent anti-pathogen griseorhodins

G. DE PAULA, W. MELO, J. AMARAL, M. PUPO

16:50 - 17:05 SL-020 Phytotherapy meets One Health: *Plectranthus spp.* as a sustainable strategy against multidrug resistance

P. RIJO

17:05 - 17:20 SL-021 Investigating genetic and environmental influences on the phytochemical composition and biofilm inhibition in *Drosera rotundifolia*

H. KIENINGER, M. ZOERNER, M. SCHNITTLER, S. GUENTHER, C. SCHULZE

17:20 - 17:35 SL-022 Exploring carotenoid diversity across natural matrices to modulate the virulence of *Pseudomonas aeruginosa* PAO1

J. CARETTE, A. DELACUVELLERIE, E. BOSSIROY, A. AVANZATO, A. LOURTIE, G. CAULIER, T. RASARMIRAVAKA, M. EL JAZIRI, P. DUEZ, R. WATTIEZ, A. NACHTERGAEEL

16:20 - 16:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 1. Circular bioeconomy: Towards maximising the value and uses of natural resources

(Room 1-2 - 2nd Floor)

Chair:

Dr. Emilie Stierlin (Celabor, Belgium)

16:20 - 16:35 SL-024 Sustainable valorization of *Phaseolus vulgaris* L. pod by-products: Extraction optimization and antidiabetic potential

M. TUSEEF, L. LELA, V. CARLUCCI, E. ABBATE, F. SANTOPIETRO, L. MILELLA

16:35 - 17:35 AFERP/ECRW AWARD SHORT LECTURES

(Room 1-2 - 2nd Floor)

Chairs:

Prof. Olivier Grovel (University of Nantes, France)

Dr. Emerson Ferreira Queiroz (University of Geneva, Switzerland)

16:35 - 16:50 SL-025 Unveiling the anti-Mycobacterium secrets of ancient remedies: advanced HPLC-HRMS/MS and 2D NMR approaches for a modern understanding

C. BRAILLON, A. LANNOY, R. JANEL-BINTZ, F. BANERES-ROQUET, L. KREMER, V. PITCHON, P. FECHTER, C. VONTHRON SENECHAU, S. ORTIZ

16:50 - 17:05 SL-026 Tetracyclic quinones from the bark of *Fissistigma litseifolium* (King) Merr: identification, elucidation and synthesis

I. RAMON MARTINEZ, C. APEL, H. NEDEV, B. IORGA, S. DESRAT, F. ROUSSI

17:05 - 17:20 SL-ECRW1 ECRW award short lecture

17:20 - 17:35 SL-ECRW2 ECRW award short lecture

17:05 - 19:05 THE NOBS INITIATIVE WORKSHOP

(Clovis Conference Hall - 2nd Floor)

17:35 - 19:05 SCIENCE PITCH SLAM EVENT

(Room 1-2 - 2nd Floor)

13:00 - 17:00 REGULATORY AFFAIRS WORKSHOP - THE FUTURE OF HERBAL MEDICINAL PRODUCTS

(Room 3-4 - 2nd Floor)

17:00 - 18:00 PHARMACOGNOSY PHARMACEUTICAL BIOLOGY - PHYTOPHARMACEUTICALS - QUO VADIS?

(Room 3-4 - 2nd Floor)

17:35 - 19:05 POSTER SESSION I & WINE and CHEESE

(“Le Millésime” - 2nd Floor)

19:30 - 22:30 SAINT-REMI MUSEUM VISIT & COCKTAIL

MAIN CONGRESS PROGRAMME · DAY 2

TUESDAY

01st September 2026



Main Congress Program

Tuesday 01st September 2026

07:30 - 08:30 GA INDUSTRY NETWORK HUB

(Room 1-2 - 2nd Floor)

08:30 - 08:40 ANNOUNCEMENT *(Royal and Clovis Conference Halls – video broadcast)*

08:40 - 09:40 PLENARY LECTURE SESSION

Topic 4. AI-driven Natural Product research: potential, pitfalls and future perspectives

Topic 5. Chemical ecology and holobiont interactions

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

Chairs:

Dr. Julien Cordonnier (University of Reims Champagne-Ardenne, France)

Prof. Jean-Luc Wolfender (University of Geneva, Switzerland)

08:40 - 09:10 PL-05 – Dr. Jonathan Bisson – Collaborative Drug Discovery, USA - Topic n°4

AI: Hype(r)fiction or (r)evolution

09:10 - 09:40 PL-06 – Dr. Véronique Eparvier – ICSN, CNRS, University of Paris-Saclay, France - Topic n°5

Chemical ecology and holobiont interactions in plant and insect systems: Exploration of microbial resources and development of integrative methodologies

09:40 - 10:05 COFFEE BREAK *(2nd Floor)*

10:05 - 11:05 PLENARY LECTURE SESSION

Topic 6. Pharmacology and safety of herbal medicines

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

Chairs:

Prof. Michael Heinrich (University College London, United Kingdom)

Prof. Maria Halabalaki (University of Athens, Greece)

10:05 - 10:35 PL-07 – Prof. Rudolf Bauer – University of Vienna, Austria - Topic n°6

Considerations for evaluating activity and safety of herbal medicines

10:35 - 11:05 PL-08 – Prof. Judith Rollinger – University of Vienna, Austria - Topic n°8

Preparing the mind: Data integrity and innovation in Natural Product drug discovery

11:05 - 11:15 SHORT BREAK

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 6. Pharmacology and safety of herbal medicines – Botanical Safety Consortium

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Olaf Kelber (Bayer, Germany)

Dr. Stefan Gafner (American Botanical Council, USA)

11:15 - 11:30 SL-027 Ethnomedicinal approaches to childhood diarrhea in Sub-Saharan Africa: A systematic review
S. CHAUKE, I. SAGBO, C. ATEBA, T. NDHLOVU

11:30 - 11:45 SL-028 Herb-drug interaction potential of *Salacia reticulata* with Sitagliptin: CYP450 Inhibition, pharmacokinetics and transcriptomic modulation
S. SARKAR

11:45 - 12:00 SL-029 Ashwagandha: Evaluating its safety in human consumption
T. BRENDLER, J. BARNES

12:00 - 12:15 SL-030 Medicinal plants and herbal medicines for gynaecological complaints: A systematic review of the current clinical efficacy and safety evidence
B. JALIL, E. KO, M. HEINRICH

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 5. Chemical ecology and holobiont interactions

(Clovis Conference Hall - 2nd Floor)

Chairs:

Prof. Olivier Grovel (University of Nantes, France)

Dr. Julien Antih (University of Montpellier, France)

11:15 - 11:30 SL-031 LC-MS/MS-Based metabolomics uncovers host influence on the chemistry of a parasitic plant
M. TEDESCO HUFNAGEL, B. DOIMI ORTOLAN, G. CARDOSO TÁPIAS CECCANTINI, C. ALEXANDRE CAROLLO, F. MACEDO ALVES, D. DEMARQUE

11:30 - 11:45 SL-032 Unlocking cryptic specialized metabolites in marine fungi through eco-inspired multicultures
C. MARIVAIN, N. RUIZ, L. KOLYPCZUK, T. ROBIQU DU PONT, A. MICHAUD, L. MESLET-CLADIÈRE, D. PASSERINI, O. GROVEL

11:45 - 12:00 SL-033 Biocommunicators: A relational perspective for the future of Natural Products research
R. LACRET

12:00 - 12:15 SL-034 Soil microbiome impact on drought resilience and medicinal metabolite accumulation in *Lessertia frutescens* (cancer bush)
T. MASETLANA

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 4. AI-driven Natural Product research: Potential, pitfalls and future perspectives

(Room 1-2 - 2nd Floor)

Chairs:

Dr. Jonathan Bisson (Collaborative Drug Discovery, USA)

Dr. Julien Cordonnier (University of Reims Champagne-Ardenne, France)

11:15 - 11:30 SL-035 Bioactive peptides from edible root vegetables: AI-guided discovery
K. PUROHIT, F. PLISSON, M. LOW, E. HAYES, A. SUNNA

11:30 - 11:45 SL-036 Application of generative AI to molecules from *Capparis cartilaginea* Decne to propose novel candidates for drug discovery and development
A.C. DE JESUS SILVA, M. PEGRUCCI BARCELOS, B. ALSHARIF, F. BOYLAN, L.I. DA SILVA HAGE-MELIM

11:45 - 12:00 SL-037 Selection of drug combinations based on predicted interactions with human proteins - exemplified for SARS-Cov-2 proteins
A. SHCHERBAKOVA, B. MERZENICH, G. ULRICH-MERZENICH

12:00 - 12:15 SL-038 Artificial intelligence to rapidly develop, improve, or expand use of natural ingredients
P. SPAGNUOLO, B. JOHNSTON, K. ENGEL, C. SUAREZ-RIZZO, R. ROTH-EHRANG

12:15 - 13:45 LUNCH TIME (1st Floor - NEF)

13:45 - 14:15 PLENARY LECTURE SESSION

Topic 10. Herbal Medicinal Products and quality control

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

Chair:

Prof. Patricia Rijo (University of Lisbon, Portugal)

13:45 - 14:15 PL-09 – Prof. Anna Rita Bilia – University of Florence, Italy - Topic n°10

Quality control of Herbal Medicinal Products: Between regulation and innovation

14:15 - 14:25 SHORT BREAK

14:25 - 15:25 PARALLEL SESSIONS – SHORT LECTURES

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Marina Kritsanida (Université Paris Cité, France)

Dr. Fabio Boylan (Trinity College Dublin, Ireland)

14:25 - 14:40 SL-039 From molecule to matrix: Reconsidering psilocybin mushrooms as multi-component therapeutic systems

T. DELGODA, C. SAMS, K. FOSTER, S. DANIEL, W. DE LA HAYE, B. M. THANKAPPAN, W. IRVINE

14:40 - 14:55 SL-040 *In vivo* anti-obesity efficacy of *Sparassis crispa* extract in high-fat diet-induced obese mice and activity-guided identification of sparylade B

Y. PARK, K.T. LEE, A. NAM, Y.J. JEONG, J.M. WOO, J.B. JEONG

14:55 - 15:10 SL-041 Investigating the therapeutic potential of *Cannabis sativa*-derived cannabinoids for targeting PTP1B in obesity and diabetes

P. FRANS, L. MKABAYI, B.I. PLETSCHKE, C.L. FROST

15:10 - 15:25 SL-042 Development of a multi-targeted herbal formulation with immunomodulatory and antioxidant functions for cancer adjuvant therapy

Y.-C. JUANG, SHIH-JIE, L.-H. WANG

14:25 - 15:25 PARALLEL SESSIONS – SHORT LECTURES

Topic 9. Green chemistry, biotechnology and bio-inspired approaches for sustainable production processes: Innovations for high-value products

(Clovis Conference Hall - 2nd Floor)

Chairs:

Dr. Siau Hui Mah (Taylor's University, Malaysia)

Dr. Evelyn Wolfram (Zurich University of Applied Sciences, Switzerland)

14:25 - 14:40 SL-043 Unusual stilbenes-derived scaffolds from solvent-free Pechmann condensation with potent anti-methicillin-resistant *Staphylococcus aureus* activity

L. MARCOURT, A. PEROZZO, A. LUSCHER, A. KOVAL, V. KATANAIEV, A. NUNES DE OLIVEIRA, M. ANZOLETTI, A. BORY, J. WOLFENDER, T. KOHLER, G. MASSIOT, E. FERREIRA QUEIROZ

14:40 - 14:55 SL-044 Phytostilbenes: Bioproduction and functionalization toward potent anti-inflammatory agents

A. FLOURAT, V. LECLERC, E. THIÉBAULT, P. YANHOUI-TOKANNOU, M. GRY, S. BLAISE, F. ALLAIS, E. COUROT, B. ROMIER

14:55 - 15:10 SL-045 From hydrotropes to deep eutectic solvents: Exploring new strategies for polyphenol solubilization and extraction

E. HAMONOU, S. ANTONCZAK, N. PAPAICONOMOU, W. KUNZ

15:10 - 15:25 SL-046 From a common garden plant to high-value bioactive compounds: Sustainable valorization of *Crassula ovata*

K. RAZAFITSALAMA, C. SAYAGH, E. RAVALISON ANDRIANARISON, L. VOUTQUENNE-NAZABADIOKO

14:25 - 15:25 PARALLEL SESSIONS – SHORT LECTURES

Topic 6. Pharmacology and safety of herbal medicines

(Room 1-2 - 2nd Floor)

Chairs:

Dr. Bernd Roether (Bionorica, Germany)

Prof. Funda Yalcin (Hacettepe University, Turkey)

14:25 - 14:40 SL-047 Metabolomic analysis and toxicity study of *Ocotea guianensis* Aubl. (fey darjan) leaf preparations used during pregnancy by Women in French Guiana

M. BARBARA, E. HOUEL, C. ROHEE, A. RODRIGUES, D. STIEN, A. KNITTEL-OBRECHT, P. VILLA, G. FORSANS, C. BASURKO, J. LANGRAND, C. VALENCIA-SCHMITT, G. ODONNE

14:40 - 14:55 SL-048 Ethnopharmacological study and evaluation of the antibacterial potential of nine medicinal plants from Mayotte

T. TAM-HUI, F. CHASSAGNE, M. HADDAD, C. BERTRAND

14:55 - 15:10 SL-049 Co-medication in geriatric patients taking Herbal Medicinal Products - Data from the PhytoVIS study

J. WICKENHÄUSER, C.M. RUDSCHUCK, O. KELBER, K. KRAFT

15:10 - 15:25 SL-050 Phytochemical and functional influences of leaf senescence in *Carica papaya* for ethnopharmacological use

C. ELVERT, S. NICOLAY, E. CÖMEN, Z. RAO, O. RANAYAKE, I. SANCHEZ-VARGAS, R.M. RISPOLI, C. DIELEMAN, F. GSALLER, A. SILLER, C. KARG, S. MARZOCCO, R. PERERA, R. DELGODA, A. KOEBERLE, F. HAMMERLE, A. ADEPITI, C. GRÜNDEMANN, S. MOSER

15:25 - 15:50 COFFEE BREAK (2nd Floor)

15:50 - 16:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Aurélie Urbain (University of Strasbourg, France)

Prof. Sofia Mitakou (University of Athens, Greece)

15:50 - 16:05 SL-051 From Nature to bench and bedside: Identifying potent modulators of cytoprotective proteostatic and antioxidant pathways activity in Natural Products

D. GIANNIOU, I. TROUGAKOS

16:05 - 16:20 SL-052 Zebrafish metabolomics as a window into Natural Products' bioactivity

E. MIKROPOULOU, N. KOSHEVA, N. XENOU, D. BEIS, W. KUKUŁA-KOCH, M. HALABALAKI

16:20 - 16:35 SL-053 When extracellular vesicles meet cardenolides: Towards developing a target-orientated drug delivery system

M. DORFNER, A. MIFKA, R. MAIA DE PÁDUA, I. THAÍS DA SILVA, I. ZANELLA GUTERRES, L. SANA, G. FUHRMANN, J. MUNKERT

15:50 - 16:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 9. Green chemistry, biotechnology and bio-inspired approaches for sustainable production processes: Innovations for high-value products

(Clovis Conference Hall - 2nd Floor)

Chairs:

Prof. Christine Gerardin (University of Lorraine, France)

Dr. Simon Vlad-Luca (University of Orleans, France)

15:50 - 16:05 SL-054 From hop waste to bioactives: Valorization of an industrial side stream by a foam fractionation technique

H.M. RIEPL, L. SAMMET, C. URMANN

16:05 - 16:20 SL-055 Hansen solubility parameters and COSMO-RS guiding green extraction of cosmetic stilbenes from grapevine by-products

S. RAGHEED GEORGES, E. BUCHY, A. FLOURAT, F. ALLAIS, J. RENAULT

16:20 - 16:35 SL-056 Green extraction, fractionation and isolation of bioactive compounds from the leaves of *Olea europaea* using renewable solvents

C. NÈVE, S. BETEINAKIS, K. MAVREAS, D. MICHAILIDIS, P. STATHOPOULOS, J. RENAULT, L. SKALTSOUNIS

15:50 - 16:35 PARALLEL SESSIONS – SHORT LECTURES

Topic 6. Pharmacology and safety of herbal medicines

(Room 1-2 - 2nd Floor)

Chairs:

Prof. Rachel Mata (Central University of Venezuela, Venezuela)

Prof. Rudolf Bauer (University of Vienna, Austria)

15:50 - 16:05 SL-057 From Natural Products to reactive metabolites: Combined bio-electrochemical prediction of furanic compounds' toxicity

I. AYADEN, C. BOUZIDI, T. GASLONDE, J. VIRET-PERARD, C. HOFFMANN, X. CACHET

16:05 - 16:20 SL-058 From bench to bedside: Translational pathways in Natural Product research

D. CSUPOR, B. TÓTH, T. KISS, B. CSUPOR-LÖFFLER

16:20 - 16:35 SL-059 Characterization of South African psycho-active folk medicine *Bersama lucens* (Hochst.) Szyszyl and *Ocotea bullata* (Burch.) Baill. by ultra-high-performance liquid chromatography

R.M. LEKHOOA, C. MOOKI, A. AREMU

16:35 - 16:45 SHORT BREAK

16:45 - 17:45 GA MEMBERS' MEETING

(Clovis Conference Hall - 2nd Floor)

17:45 - 18:45 GA INDUSTRY WORKING GROUP MEETING

(Clovis Conference Hall - 2nd Floor)

16:45 - 18:45 POSTER SESSION II & WINE and CHEESE

(“Le Millésime” - 2nd Floor)

19:30 - 02:00 CAVEAU CASTELNAU GALA DINNER

MAIN CONGRESS PROGRAMME · DAY 3

WEDNESDAY

2nd September 2026



Main Congress Program

Wednesday 2nd September 2026

07:30 - 08:30 CPC & CCC ROUND TABLE

(Room 1-2 - 2nd Floor)

08:30 - 08:40 **ANNOUNCEMENT** (Royal and Clovis Conference Halls – video broadcast)

08:40 - 09:40 PLENARY LECTURE SESSION

Topic 1. Circular bioeconomy: Towards maximising the value and uses of natural resources

Topic 10. Herbal Medicinal Products and quality control

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

Chairs:

Dr. Olaf Kelber (Bayer, Germany)

Dr. David Touboul (LCM, Ecole Polytechnique, France)

08:40 - 09:10 **PL-10** – Dr. Stefan Gafner – American Botanical Council, USA - Topic n°10

Authenticity under siege: Fifteen years of combatting botanical ingredient fraud

09:10 - 09:40 **PL-11** – Prof. Franck-Dominique Vivien – University of Reims Champagne-Ardenne, France - Topic n°1

The bioeconomy of industrial hemp: Between ecological transition promises and structural tensions

09:40 - 10:05 **COFFEE BREAK** (2nd Floor)

10:05 - 11:05 PARALLEL SESSIONS – SHORT LECTURES

Topic 10. Herbal Medicinal Products and quality control

(Royal Conference Hall - 2nd Floor)

Chairs:

Prof. Michel Frederich (University of Liège, Belgium)

Dr. Emerson Ferreira Queiroz (University of Geneva, Switzerland)

10:05 - 10:20 **SL-060** There is no caffeine in damiana - Filter bubbles and echo chambers in scientific referencing
G. PAULI, S. CHEN, D. REBOLLAR RAMOS, S. CRISTIANIS, A. HERNANDEZ-OCHOA, T. BRENDLER

10:20 - 10:35 **SL-061** Bayesian statistics: A framework for quantifying uncertainty in qualitative botanical identification
S. SUDBERG

10:35 - 10:50 **SL-062** Advancing herbal medicine: Extent similarity assessment for a quantitative fingerprinting quality control approach of Herbal Medicinal Products
X. WU, E. PFERSCHY-WENZIG, T. MADL, S. AATZ, O. KELBER, R. BAUER

10:50 - 11:05 **SL-063** Advanced multi-platform analytical workflows for *Cannabis sativa* L. quality assessment: Decoding chemical diversity across chemotypes
P.S. TZIMAS, S. BETEINAKIS, A.N. MARTINI, I. DELI, V. PAPAIOANNOU, E.A. PETRAKIS, P.T. PAPASTYLIANOU, M. PAPAFOTIOU, L.A. SKALTSOUNIS, M. HALABALAKI

10:05 - 11:05 PARALLEL SESSIONS – SHORT LECTURES

Topic 7. Functional foods, cosmetics and nutraceuticals

(Clovis Conference Hall - 2nd Floor)

Chairs:

Dr. Antigoni Cheilari (University of Athens, Greece)

Dr. Marine Canton (University of Côte d'Azur, France)

10:05 - 10:20 SL-064 Rapid authentication of Polynesian copra oils and monoi de Tahiti AO by mid-infrared spectroscopy coupled with chemometrics for adulteration detection

R. FAES, H. CHANT, E. POAREU, J. BIAU, T. LEHARTEL, S. SOULET, T. TEAI

10:20 - 10:35 SL-065 Characterization and digestive stability of *Achillea erba-rotta* subsp. *moschata* extract from the Alps and its effects on *Dictyostelium discoideum*

A. MARENGO, C. CAGLIERO, B. SGORBINI, G. MENZIO, C.M. BERTEA, C. PANUZZO, S. ROCCO, P. RUBIOLO

10:35 - 10:50 SL-066 Dissecting the phenotypic structure of antioxidant and flavonoid traits enables targeted selection of elite *Agastache* accessions

J. LEE, S. LEE, J. KANG, E. KIM, S. LEE

10:50 - 11:05 SL-067 From plant to product: scalable green chemistry approaches for industrial botanical extraction

S. JACKSON, P. GOI

10:05 - 11:05 PARALLEL SESSIONS – SHORT LECTURES

Topic 11. One Health and veterinary phytomedicine

(Room 1-2 - 2nd Floor)

Chairs:

Dr. Marta Mendel (Warsaw University of Life Sciences, Poland)

Prof. Michael Walkenhorst (Research Institute of Organic Agriculture, FiBL, Switzerland)

10:05 - 10:20 SL-068 Towards a simplified regulatory framework for Herbal Veterinary Medicinal Products in Europe

C. BILGI, M. WALKENHORST, S. BARRETEAU

10:20 - 10:35 SL-069 Trees as natural shields: Protecting grazing livestock from insects

T. SCHLITTENLACHER, M. WALKENHORST, S. EGLI, C. BONNEFOUS, V. MAURER

10:35 - 10:50 SL-070 Identification of compounds and bioactivity of *Kalanchoe gunnii* against *Staphylococcus aureus* reference strain and isolates from bovine mastitis cases

E. OGBUADIKE, S.M. NKADIMENG, F.N. MAKHUBU, C. IGWE, J.P. DZOYEM, N.K. KHOROMMBI, V. MAHARAJ, D.N. QEKWANA, I. PETZER, L. MCGAW

10:50 - 11:05 SL-071 Indigenous medicinal plants for livestock health in Tsheseng and Namahadi communities in QwaQwa, Free State Province, South Africa

M. MAKHUVHA, P. MOHLAKE, T. MPOLOKENG, N. MSIMANGO, S. AMOO, O. AREMU, N. MASONDO

11:05 - 11:15 SHORT BREAK

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 10. Herbal Medicinal Products and quality control

(Royal Conference Hall - 2nd Floor)

Chairs:

Prof. Pierre Champy (University of Paris-Saclay, France)

Prof. Nikolas Fokialakis (National and Kapodistrian University of Athens, Greece)

11:15 - 11:30 SL-072 Essential oil adulteration and its impact on efficacy and safety: A critical review of peppermint, lavender, and bergamot oils

N. ORHAN, D.T. CARTER, D.I. SAAVEDRA, P. SATYAL, N. STEVENS, S. GAFNER, C. BASCOUL

11:30 - 11:45 SL-073 Green and fast supercritical fluid methods to extract, analyse, and isolate Natural Products: A case study on *Inonotus obliquus* (chaga)

K. KAPP, J. GAFFRILLER, B. KIRCHWEGGER, J.M. ROLLINGER, U. GRIENKE

11:45 - 12:00 SL-074 Quality control frameworks for *Epilobium* extracts as phytotherapy candidates against viral respiratory infections

K. UMINSKA, V. GEORGIYANTS, L. IVANAUSKAS, M. EL-SHAZLY, K. DELICA-BALAGOT, Y. CHEN, T. HWANG, O. MYKHAILENKO, M. KORINEK

12:00 - 12:15 SL-075 Traditional medicinal plants for malaria treatment in Uganda's West Nile sub-region: An ethnobotanical survey

B. OLOYA, B. AKWONGO, M. ANDAMA, P. AMAGU, M. CANDIA, P. TABAN, R.A. ANYASE, E.A. OKELLO, G. ANYWAR, J. SPATZ

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 7. Functional foods, cosmetics and nutraceuticals

(Clovis Conference Hall - 2nd Floor)

Chairs:

Prof. So-Young Park (Dankook University, South Korea)

Dr. Simon Remy (University of Reims Champagne-Ardenne, France)

11:15 - 11:30 SL-076 An underrated category of Natural Products: Clinical evidence for three probiotic strains

M. VENHERM, O. KELBER, J. WAECHTER

11:30 - 11:45 SL-077 Effect of propolis and gold supplementation on the antimicrobial and antibiofilm activity of Centauri® Honey

V. ISCA, M. SEQUEIRA, I. SARAIVA, R. ANDRÉ, P. RIJO

11:45 - 12:00 SL-078 Multi-functional biological profiling and chemical characterization of rambutan shell extracts: A comprehensive approach to novel nutraceuticals.

C. BARBA, A. MAYORGA-RAMOS, J. ZÚÑIGA-MIRANDA, R. GONZALEZ-PASTOR, A.B. PEÑAHERRERA-PAZMIÑO, A. VITERI, E. TEJERA, L. GUAMAN

12:00 - 12:15 SL-079 SAFFROSENSE: Saffron-derived multifunctional active for skin care - *in vitro* to clinical proof

C. SPAGGIARI, G. COSTANTINO

11:15 - 12:15 PARALLEL SESSIONS – SHORT LECTURES

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Room 1-2 - 2nd Floor)

Chairs:

Prof. Phila Bianchini (University of French Polynesia, France)

Prof. Michal Tomczyk (Medical University of Białystok, Poland)

11:15 - 11:30 SL-080 Isolation of a new bis-indole N-oxide as a promising cytotoxic agent against leukemia from *V. minor* L.

S.W.A. BOKHARI, S. HASANOVA, J. KUNES, R. HAVELEK, J. CHLEBEK

11:30 - 11:45 SL-081 Ammoresinol from *Ferula ammoniacum* inhibits listeria monocytogenes *via* cell wall disruption and virulence modulation revealed by integrated omics

G. DONADIO, R. NOCERA, V. PARISI, M. KHARATHA, R. ESPOSITO, F. DAL PIAZ, N. DE TOMMASI

11:45 - 12:00 SL-082 *In silico* identification of natural compounds as potential dual inhibitors of the PI3K/mTOR signaling pathway

S.R. OSMANLIOGLU DAG

12:00 - 12:15 SL-083 Multi-target anticancer potential of *Citrus medica* flavonoids against breast cancer: Integrated *in silico*, molecular dynamics and experimental validation

P. UNİYAL, A. GAURAV

12:15 - 13:45 LUNCH TIME (1st Floor - NEF)

13:45 - 14:30 PARALLEL SESSIONS – SHORT LECTURES

Topic 12. Natural Products facing climate change: Challenges and responsibilities

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Emeline Houel (LBBM, CNRS, France)

Dr. Pauline Blyweert (University of Reims Champagne-Ardenne, France)

13:45 - 14:00 SL-084 Antarctic fungi under climate change: Temperature-driven metabolic reprogramming in *Antarctomyces psychrotrophicus*

G. DOS SANTOS, D. BARRETO, L.H. ROSA, P.R. TEIXEIRA, L. LOTUFO, J. WOLFENDER, E.F. QUEIROZ, I. CASTRO-GAMBOA

14:00 - 14:15 SL-085 Impact of climate change on the metabolome and the anti-inflammatory activity of *Coriandrum sativum* L.

W. KAZÖNE, F. KAATEU, V. MEDEVIELLE, C. MAIREY, M. MATSUI, C. ANTHEAUME, J. SCHMITT, T. CROSSAY, A. LEOPOLD, C. MARCHAND, N. LEBOUVIER

14:15 - 14:30 SL-086 Understanding shifting foundations for the sustainable use of medicinal plants - a phytochemical case study using *Crocus sativus*

O. MYKHAILENKO, M. HEINRICH

13:45 - 14:30 PARALLEL SESSIONS – SHORT LECTURES

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Clovis Conference Hall - 2nd Floor)

Chairs:

Prof. Clara Lau (University of Hong Kong, China)

Prof. Sevser Sahpaz (University of Lille, France)

13:45 - 14:00 SL-087 Aminosteroids from Apocynaceae and Buxaceae and their antiprotozoal activity: Structural diversity and structure-activity relationships

J.W. MUKAVI, L. SCHÄFER, L.U. SZABÓ, C.O. NNADI, J.B. ALTHAUS, T.J. SCHMIDT

14:00 - 14:15 SL-088 To be defined

14:15 - 14:30 SL-089 Multi-level residual complexity analysis reveals origin of nanomolar antiviral bioactives of “isoquercitrin”

D. REBOLLAR-RAMOS, A.V. ROY, J.B. FRIESEN, G. HARRIS, S. CHEN, M. CHAN, S. HE, G. LIU, W. ZHU, L. BANADYGA, J. MCALPINE, M. CHRÉTIEN, M. MBIKAY, G.F. PAULI

13:45 - 14:30 PARALLEL SESSIONS – SHORT LECTURES

Topic 9. Green chemistry, biotechnology and bio-inspired approaches for sustainable production processes: Innovations for high-value products

(Room 1-2 - 2nd Floor)

Chairs:

Prof. Christine Gerardin (University of Lorraine, France)

Prof. Philippe Gerardin (University of Lorraine, France)

13:45 - 14:00 SL-090 Establishing a functional ligand fishing platform: Enzymatic validation of α -glucosidase-functionalized magnetic particles

G.P. ROSA, M.C. BARRETO, A.M.L. SECA

14:00 - 14:15 SL-091 How the rotatory geponic system impacts the plant metabolic responses?

O. BUSQNT, D. DA SILVA, A. ROBERT-HAZOTTE, A. THOMAS, E. DESTANDAU

14:15 - 14:30 SL-092 Toward understanding the biosynthesis of dimeric sesquiterpene lactones in *Artemisia* and engineering their sustainable production in yeast

J. REINHARDT, W. DUCHEMIN, R. TEUFEL, J. WENG

14:30 - 14:40 SHORT BREAK

14:40 - 15:55 PARALLEL SESSIONS – SHORT LECTURES

Topic 3. Advanced analytical methods and chemo- and bioinformatics for efficient Natural Product discovery and development

(Royal Conference Hall - 2nd Floor)

Chairs:

Dr. Luminita Duma (University of Reims Champagne-Ardenne, France)

Prof. Guido Pauli (University of Illinois Chicago, USA)

14:40 - 14:55 SL-093 Integrated NMR-based metabolomics for characterization and authentication purposes with quantitative insights in natural polymers

S. BETEINAKIS, E.V. MIKROPOULOU, D. MICHAILIDIS, E. AKRIVOUSI, E. KALPOUTZAKIS, J. RENAULT, L.A. SKALTSOUNIS, P. LAMEIRAS, M. HALABALAKI

14:55 - 15:10 SL-094 NMR dereplication and quantification of tyroscherin analogues mixture, defense metabolites produced by a termite-associated fungi

R. WISSON, M. PINSARD, V. EPARVIER, D. TOUBOUL, C. LUCAS-TORRES

15:10 - 15:25 SL-095 Automated NMR workflow for the identification and quantification of compounds in complex mixtures

A. BUDAI, L. LENEN, J. CORDONNIER, J.M. NUZILLARD, P. LAMEIRAS

15:25 - 15:40 SL-096 Mining rare monoterpene indole alkaloids from the seeds of *Picralima nitida* (Akuamma) through pH-zone refining centrifugal partition chromatography

S.-V. LUCA, J. NOEL-TORRES, J.B. FRIESEN, G. HARRIS, A.P. RILEY, G.A. CORDELL, G.F. PAULI

15:40 - 15:55 SL-097 Quantitative analyses of volatile organic compounds emitted in fields: lavandin application

A. NOËL, C. BRINGER-GUERIN, P. ROCHE, M.-C. PERON, A. DEGENHARDT, E. ANGELINI, X. FERNANDEZ

14:40 - 15:55 PARALLEL SESSIONS – SHORT LECTURES

Topic 8. Pharmacological and biological activities of Natural Products: Drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)

(Clovis Conference Hall - 2nd Floor)

Chairs:

Prof. Luiz Carlos Klein-Junior (University of the Itajaí Valley, Brazil)

Dr. Séverine Derbre (University of Angers, France)

14:40 - 14:55 SL-098 Pharmacokinetic analysis of *Pelargonium sidoides* root extract EPs® 7630 in the rat

M. SCHMITT, V. STEINER, S. KAISER, H. SCHNEIDER, G. LUDERER, S. WEISENBURGER, M.D. LEHNER

14:55 - 15:10 SL-099 Characterising the anti-cancer activity of *Naja nivea* snake venom fractions in breast cancer

O. MAIPHETLHO, A. LERMER, S. PALEKAR, T. KELLERMANN, S. PRINCE

15:10 - 15:25 SL-100 Harnessing Reunion island plant biodiversity for arbovirus control: Integrated antiviral discovery and reduction of *Aedes albopictus* vector competence

A.M.Y. FATUMA, A. CHUARD, C. LEBON, G. MARES, C. ATYAME-NTEN, C. EL KALAMOUNI

15:25 - 15:40 SL-101 STW5 influences the gut-brain axis in GERD by acting on the communication network between acid-sensitive channels and the serotonin system

L. WELSLAU, H. AZIZ-KALBHENN, O. KELBER, G. ULRICH-MERZENICH

15:40 - 15:55 SL-102 Enoxolone, derived from *Glycyrrhiza glabra*, reverses risk factors of treatment refractoriness in patients with major depression

H. MURCK, S. MAHMOUDI, S. WELZEL, L. SUTTER, U. SCHU

14:40 - 15:40 PARALLEL SESSIONS – SHORT LECTURES

Topic 9. Green chemistry, biotechnology and bio-inspired approaches for sustainable production processes: Innovations for high-value products

(Room 1-2 - 2nd Floor)

Chair:

Dr. Olivier Kirchhoffer (Syngenta Crop, Switzerland)

Dr. Pauline Blyweert (University of Reims Champagne-Ardenne, France)

14:40 - 14:55 SL-103 Anti-inflammatory activity of green synthesized silver nanoparticle from *Searsia lancea* leaf extract

R. RAMAGOMA, N.R. SIBUYI, A.V. LENSINK, A. MADIEHE, M. MEYER, S. AMOO, L.J. MCGAW, N.A. MASONDO

14:55 - 15:10 SL-104 One-pot sunlight-mediated green synthesis of nanoparticles using volatile oil of *Curcuma zedoaria* for sustainable water purification

A. GANGAL

15:10 - 15:25 SL-105 Cellulose-derived mycosporine-like amino acids analogues as novel UV filters for cosmetics

B. LOUMI, M. MENTION, F. ALLAIS

15:25 - 15:40 SL-106 CoA initiative: Coenzymes for next-gen industrial biocatalysis

J. COMBES, C. JEZEGOU, K. MAGNIEN, L. MOUTERDE

15:55 - 16:20 COFFEE BREAK (2nd Floor)

16:20 - 17:05 PLENARY LECTURE SESSION

Topic 11. One Health and veterinary phytomedicine

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

Chair:

Dr. Cica Vissiennon (University of Leipzig, Germany)

16:20 - 17:05 PL-12 – Dr. Sabrina Krief – Muséum national d'Histoire naturelle, France - Topic n°11

Chimpanzees, threatened guides and sentinels for human and global Health

17:05 - 19:00 CLOSING CEREMONY

(Royal and Clovis Conference Halls – video broadcast - 2nd Floor)

19:00 - 21:00 PARC DE LA PATTE D'OIE COCKTAIL

Poster Session Program

Monday 31st August 2026

17:35 - 19:05 POSTER SESSION I & WINE and CHEESE

("Le Millésime" area)

Topic 1. Circular bioeconomy: towards maximising the value and uses of natural resources

P-001 Antiparasitic properties of sawdust from tropical timber species: Chemical diversity and potential for circular bioeconomy

S.M. ROBLEDO, F. TORRES, E. CORREA, T. PINEDA, F. ECHEVERRI

P-002 DoE-optimised extraction and qNMR quantification of acteoside from *Aloysia citriodora* leaves processing by-products

A. CHEILARI, E. DINA, E. GIKAS, N. ALIGIANNIS

P-003 Antifungal activities of bark extracts of different industrial wood species in view of their potential utilization as biocontrol agents

J.V. DORINI FALAVINHA, L. RENOARD, C. GÉRARDIN CHARBONNIER, R. MARTHA, S. DUMARÇAY, P. GERARDIN

P-004 Circular sourcing of lactic acid: From food waste fermentation to cosmetic formulation

S.J. JACKSON, P. GOI, S. GUARDIANI, A. PAGANO, A. ORANIM, A. ZYSKIND, B. CONVERSAZIONI

P-005 From food by-product to cosmetic value: Circular bioeconomy of standardized natural extracts for hair care from Italian food by-products

C. SPAGGIARI, B. CONVERSAZIONI, S.J. JACKSON, P. GOI

P-006 Eco-friendly mushroom cultivation for functional bioactive compounds through valorization of diverse by-products

M.K. LEE

P-007 Chemical characterization and monitoring of Auvergne *Arnica montana* L. to optimise its cultivation

I. RIPOCHE, M. GAINCHE, A.B. ASMINI, S. POUVARET, E. RANOUILLE, B. FUMANAL

P-008 Effects of *Helianthus tuberosus* leaf extract in HaCaT cells

A. KARAYIL, C. DU, O. OLAJIDE

P-009 Optimization of extraction and polyphenolic profiling of blackberry waste materials

S. SAMARDŽIĆ, J. ARSENIJEVIĆ, J. RADOVIĆ SELGRAD, J. ĐURIŠ, K. MILESKI, I. VELIČKOVIĆ

P-010 Brazilian fruits as an untapped source of value added Natural Products for the bioeconomy: Chemopreventive potential of anthocyanins from "grumixama" (*Eugenia brasiliensis*)

D. SILVA, J. SILVA, N. GRIZZO, A. MORELLI, A. MENZEL

P-011 Exploring the hexane – ethanol – water solvent system for the purification of diterpenes from copaiba oleoresin waste residue by countercurrent chromatography

A. LOPES HAICK, G. LIMA DE OLIVEIRA, M. BRAGA DA SILVA, A. RIBEIRO DA SILVA, G. DE MASCARENHAS COSTA, S. LEITAO, G. LEITÃO

P-012 From aquaculture waste to valuable biomass: Cultivation of edible mushrooms on salmon sludge within a circular bioeconomy framework

E. STIERLIN, J. TCHOUMTCHOUA

P-013 Circular valorisation of bark by-products via supercritical CO₂: A comparative phytochemical study of diverse species

E. STIERLIN, J. TCHOUMTCHOUA

P-014 Hemicellulose & lignin recovery from marginal biomass via sub-critical water extraction

M. HARHELLIER, J. TCHOUMTCHOUA

Topic 2. Bio- and chemodiversity of Natural Products: Marine, terrestrial and aerial (micro)organisms

P-015 Cytotoxic diterpenoids and sesquiterpenoids from the cultured soft coral *Sinularia sandensis*

J. SU, K. LAI, C. LIANG, J. WENG, M. EL-SHAZLY

P-016 Chemical profiling and discovery of a new combretastatin B-1 derivative from *Dichapetalum heudelotii* Baill.

A.A. OPPONG, J. NKETSIAH, D. OSEI-SAFO, F. SPRIANO, F. BERTONI

P-017 Revisiting toxic and non-Toxic *Dichapetalum* species: Chemoprofiling and detection of dichapetalin A

D. OSEI-SAFO

P-018 Medicinal uses of Ugandan propolis supported by metabolomically identified compounds

I. KAHWA, C. SEEL, R. WANGALWA, R. OEHME, S. BILLIG, J. TUSIIMIRE, L. KAYSSER, C. WIESNER

P-019 Structural analysis and adjuvant activity of a novel QS-21 isomeric saponin isolated from *Quillaja brasiliensis*

F. WALLACE, C. FONTANA, F. FERREIRA, J. MATIAS-BANCHER, J. SACUR, J. VILLENA, M.G. VIZOSO PINTO, C. OLIVARO

P-020 Sarcoglaucane A, a novel sarsolenane-related diterpenoid from the soft coral *Sarcophyton glaucum*

Y.W. CHUANG, C.L. CHEN, P.J. SUNG

P-021 Chromatographic isolation of structurally related immunoadjuvant saponins from *Quillaja brasiliensis*

F. WALLACE, A. M.C. MINTEGUIAGA, A. SORIA, C. FONTANA, C. OLIVARO

P-022 Chemical constituents of *Pericampylus formosanus* Diels

K. CHENG, S. YU, C. WU, P. KUO, T. WU

P-023 Molecular networking-driven discovery of compounds from *Psydrax acutiflorus* (Hiern) Bridson (Rubiaceae) and *Carapa macrantha* Harms (Meliaceae) and their antiplasmodial activities

A. DONGMO KENE, S.S. TIOGO KAMGNI, M. FRESE, M. PERSICKE, B. LENTA NDJAKOU, J.R. CHOUNA, N. SEWALD

P-024 Isolation and structural characterization of rosmarinic acid derivatives and their transformation products from Nepetoideae species

A. NAZLI, B. SZÖGI-TATÁR, G. TÓTH, S. BŐSZE, S. BÉNI, I. BOLDIZSÁR

P-025 *Alstonia boonei* leaves as a source of diverse indole alkaloids with shortened tryptamine side chain

L. MÜLLER, M. GRIMM, J.N. ADDOTEY, V. SPIEGLER

P-026 Phytochemical profiling of *Lonchocarpus eriocalyx* Harms and its hemoglobin S polymerization inhibition and antiplasmodial activity

G. SAMBAYI, R. MWAKALUKWA, A. MATHEEUSSEN, G. CALJON, A. VAN DE VELDE, K. FOUBERT, L. PIETERS, E. TUENTER

P-027 Phytochemical evaluation of *Epilobium Parviflorum*, *Tanacetum vulgare*, and *Filipendula ulmaria* water extract

K. AFANDI, J. KOWALONEK

P-028 Phytochemical profiling and anti-inflammatory potential of the underexplored fern *Microsorium grossum*

M. KOVAL, J. YUNE, P. TZIMAS, A. WAWRUSZAK, A. FILIPEK, T. JAKSCHITZ, R. HO, L. SKALTSOUNIS, G. BONN, M. HALABALAKI, P. RAHARIVELOMANANA, J. HUBERT, W. KUKULA-KOCH

P-029 PTP1B inhibitory activities of alkaloids and anthraquinones from *Hemerocallis fulva* var. *kwanso* roots

T.T. LE, M.T. HA, J.A. KIM, B. MIN

P-030 LC-MS profiling of Natural Products from sea cucumbers - integrating molecular networking and *in silico* annotation tools

Y. DESPIEGELAERE, D. POPOWSKI, K. FOUBERT, A.P. SANJAYA, N. HERMANS, E. TUENTER

P-031 UPLC–HRMS-based metabolite profiling of *Justicia gendarussa* leaf extracts

A.P. SANJAYA, D. POPOWSKI, K. FOUBERT, N. HERMANS, E. TUENTER

P-032 Study of monocotyledonous and dicotyledonous seeds for their stilbenoids content

M. THEIL-BAZINGETTE, S. CLUZET, C. ROUGER

P-033 Structural characterisation of novel 1,25-dihydroxycholecalciferol triglycosides in *Solanum glaucophyllum* Desf.

E. GERLACH, S. AUTZEN, M. GLOMB

P-034 Natural products from *Cortinarius*: not just toxic or colorful metabolites

T. OZGA, F. VISENTIN, J. BELLANGER, A. BENIDDIR, A. MARVILLIERS, E. GIRARD-VALENCIENNES, A. URBAIN

P-035 Dissecting the biological activity of *Rhinella marina* venom: Insights from Centrifugal Partition Chromatography fractionation and *in vitro* evaluation

M. WELLS, A. HERVÉ, A. TIFLIT, D. KONARE, D. BEUKENS, V. LEFEBVRE, A. GENBAUFFE, F. JOURNÉ, S. ZUBRZYCKI, L. FOUGÈRE, B. BLANKERT, E. DESTANDAU

P-036 Erosion of ancestral phytochemical correspondence in vernacular *Cannabis* Categories 'Sativa' and 'Indica'

G. LEWIS, M. BARNES

P-037 Influence of extraction technique on the chemical profile and antimicrobial activity of *Myracrodruon urundeuva* extract against *Lactobacillus fermentum*

G. COSTA, A. MANHIÇA, M.M. DE OLIVEIRA, L.P. ROCHA, D.G.G. GUIDOTI, T.A. CORRÊA

P-038 Seaweeds-derived bioactive compounds as modulators of gut microbiota in diabetes: From mechanisms to therapeutic potential

F. HOSSEINI

P-039 Isolation and structural elucidation of azedanic acids A-E from the fruits of *Melia azedarach* and their lipid accumulation-regulating activity in *Caenorhabditis elegans*

S. LEE

P-040 Natural products from *Hypochaeris glabra* (Asteraceae, Cichorieae)

O. MYKHAILENKO, T. STEGEMANN, C. ZIDORN

P-041 Re-evaluation of the morphological features of *Nigella sativa* L.

S.H. GÜREL DÖKME, D. ÇİÇEK POLAT, G. YILMAZ, A. KÖROĞLU

P-042 Metabolic profiling in plant organs of four *Hypericum* species of the Greek flora

S. PAPAGEORGIOU, N. TSATSAKIS, S. POULAKI, S. KOKKINI, K. VLACHONASIOS, A. ASSIMOPOULOU

P-043 Isolation and structure determination of antiproliferative metabolites from the fungus *Suillus granulatus*

S. SURATNO, D. KRAFCSIK, M. NOVE, O. CSERNÁK, B. GERO, I. BOLDIZSAR, T. GATI, G. SPENGLER, S. BENI, A. VANYOLOS

P-044 Chemical composition of volatile and non-volatile fractions of galbanum (*Ferula galbaniflua* Boiss.) resinoid used in perfumery

M. CANTON

P-045 Co-cultivation-driven discovery of fungal metabolites with antiparasitic activity against *Trypanosoma cruzi*: LC-MS/MS-based metabolomics and molecular networking insights

G. ALMEIDA, L. TONANI, M.R.v.Z. KRESS, A.D. ANDRICOPULO, L.L.G. FERREIRA, R. KROGH, L. MARQUES, P.C. VIEIRA

P-046 Combining computational profiling and isolation of zoanthamine alkaloids from *Zoanthus* sp.: A promising strategy for targeting DKK1 and GSK-3 β in osteoporosis therapy

N. PHAM, H. LE, B. PENG, L. CHEN, K. LAI

P-047 *Alternaria alternata* mycotoxins increase survival rate of *Caenorhabditis elegans* by enhancing stress resistance

E. WALTENBERGER, F. CALL, F. CRUDO, A. WASILEWICZ, D. MARKO, J. ROLLINGER

P-048 Glucosinolate profile in four plant species of the Brassicaceae family harvested in the French Alpine area

S. MONTAUT, J. DANIS, L. BIZARD, N. FORT, P. ROLLIN

P-049 Phytochemical screening, antimicrobial activity, and HPLC-MS quantification of lutein in three red Algae species (*Kappaphycus alvarezii*, *Kappaphycus striatum*, and *Eucheuma denticulatum*) from Nha Trang

T. NGUYEN, H. NGUYEN, L. HO, T. NGUYEN, T. NGUYEN, H. MAI, T. VU, T. VU, T. HA

P-050 Unusual macrolides with a biphenyl ether linkage and related metabolites from the mushroom

Retiboletus ornatipes

K. KIM, K.H. KIM

P-051 Discovery of new sesterterpenoids from the cannabis-associated endophytic fungus *Xylaria venosula* SUNP2011 using LC-MS/MS-guided feature-based molecular networking

Y.S. JANG, K.H. KIM

P-052 New dimeric cyclopeptides bearing modified piperazate residues from *Lentzea flaviverrucosa* DSM 44664 via a LC-MS/MS-guided isolation approach

C. HUO, S. CAO, K.H. KIM

P-053 New calbistrin derivatives from the cannabis-associated endophytic fungus *Xylaria* sp. SUNP2025

S.Y. LEE, K.H. KIM

P-054 A prioritization approach for high-throughput identification of bacterial strains with rich biosynthetic potential from marine ecosystems

P. TRIS, E. MORDRET, E. DOLLON, B. FAUSSURIER, C. LAMOUREUX, B. OLYMPO, T. MEKDISSY, H. GEORJON, B. DELEPINE, E. MORENO, B. CORSTA, X. MOPPERT, G. LE GOFF, E. POUPON, V. LIBIS, M. BENIDDIR

P-055 Compound-specific seasonal dynamics reveal internal structuring of phytochemical profiles in *Cistus albidus* L.

D. RAUS DE BAVIERA, I. MECA-SÁEZ, E. BARRAJÓN-CATALÁN

P-056 An investigation of cyclic peptides in Violaceae species via microfractionation

A.L. SANTOS

P-057 Biodiversity of Natural Products: a case of *Alismatis Rhizoma*

Y. ITO, Y. YUME, H. AYAKA, A. IWANE, Y. HIROKI

P-058 A preliminary study on the phytochemical profile of *Salvia teddii* roots

M.E. PADERMALI, E. TOMOU, M. ANAGNOSTOU, N. KRIGAS, H. SKAL TSA

P-059 Making a comprehensive atlas of plant secretory structures using scanning electron microscopy

L. MENDONÇA, M. JORGE, I. PEREIRA, L. ASCENSÃO, A.C. FIGUEIREDO, P. RIJO, A. CARVALHO, P.J. OLIVEIRA, C. CABRAL

P-060 New structurally diverse diterpenoids from *Euphorbia paganorum* (Euphorbiaceae)

M. DI STASI, M. DE LEO, A. BRACA, R. SANOGO, N. DE TOMMASI, G. DONADIO

P-061 Genome mining of *Amycolatopsis* ATHUBA1011 strain reveals divergent metallophore biosynthetic potential

K. GAITANIS, C. KOUFALI, A. KORTSINOGLIOU, S. KAILI, I. THEOLOGIDIS, D. HATZINIKOLAOU, V. KOUVELIS, N. FOKIALAKIS

P-062 New polyhydroxylated and acetylated long-chain fatty acids from *Lonicera hypoglauca*

K. SUMPER, O. KUNERT, K.C. WU, Y.L. HO, E. PFERSCHY-WENZIG

P-063 Biopesticide discovery from a *Fusarium* head blight nursery using whole genome sequencing and MS comparative metabolomics

H. HILL, A. GRUNWALD, B. WAGNER, A. FOSTER

P-064 Strategies to mimic complex interactions among endophytic fungi from *Astrocaryum sciophilum*: Preliminary insights from multiculture and coculture experiments

L. PELLISSIER, S. BERTRAND, E. FERREIRA QUEIROZ, K. GINDRO, J. WOLFENDER

P-065 UHPLC-HRMS/MS based characterization of traditionally used *Hypericum* species from Balkan biodiversity

V. KANTAS, A. CHEILARI, P. STALEVA, A. TRENDAFILOVA, V. DIMITROV, N. ALIGIANNIS

P-066 Investigation of a deep-sea sediment-derived *Streptomyces coelicoflavus* strain via genomic and metabolomic approaches

S. GKOURGIOTI, N. MILIC, E. PANOU, A. POLYZOIS, F. DE LA CALLE VERDU, N. FOKIALAKIS

P-067 Anthelmintic discovery from Australian microbes: A bioassay–GNPS–MATRIX approach

J. HAN, P. BERNHARDT, D. BRUHN, E. BURKMAN, D. ROBERTS, Y. MORENO, A. SALIM, T. WU, R. CAPON

P-068 Natural products of macroalgae-associated Bacillota: from genomics to metabolomics

U. CHUKWUDULUE, B. SNIR, N. BARGER, T. LUZZATTO-KNAAN

P-069 Flavonoid accumulation during floral development in *Calendula officinalis* L.: Physiological basis for optimizing harvest timing

M. PALMA TENANGO, R. SOTO-HERNÁNDEZ, R. SAN MIGUEL CHAVEZ, A. GAYTÁN ACUNA, V. A. GONZÁLEZ-HERNÁNDEZ

P-070 Two new sesquiterpenoid-derived metabolites and two antibiotic-potentiating metabolites from the Red Sea soft coral *Paralemnalia thyrsoidea*

A.F. AHMED, C. CHAO, C. LIN, W. M. ALARIF, S. LAI

P-071 Development of biosorbent based on chitosan for the decontamination of gadolinium present in the urine patient after magnetic resonance imaging

F. KAABOUCH, J. MOREAU, C. CADIOU, C. KOWANDY, S. BOUDESCOQUE, L. DUPONT, F. CHUBURU

P-072 MC3 DB: The microbial co-culture compounds Database

I. CLAVIER, F. CAUDAL, D. MEDEIROS SELEGATO, H. PHAM, K.B. KANG, S. BERTRAND

Topic 3. Advanced analytical methods and chemo- and bioinformatics for efficient Natural Product discovery and development

P-073 Rethinking OSMAC: exploring fungal chemical diversity through systems biology

D. NÈGRE, A. LARHLIMI, Q. VICTOR, S. BERTRAND

P-074 Natural product discovery through genome mining, heterologous expression, and SARP activation of type II polyketide synthase gene clusters in actinomycetes

S. SINGH

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D. SANTOS, S. NASCIMENTO, F. NASCIMENTO, A. CORREIA, M. SILVA, T. ROCHA, V. VALE
- P-308** Polypharmacological anti-TNBC activity of a phenolic-rich medicinal plant extract: *In vitro* and *in silico* evidence
A. WALI, H.A. ALNUAIMI, A.A. AL-SHEIKH, M.D. NASHAT, S. TALATH, M. EL-TANANI, W. IBRAHEEM, S.M. SATYAM
- P-309** A Proprietary herbal formulation suppresses lung metastasis and chemotherapy toxicity in cisplatin-treated breast cancer
W. WEI, Y. LEE, Y. YAO, C. LIAW, Y. SU
- P-310** Bioactivity-guided isolation of secondary metabolites from *Ramularia collo-cygni* with activity against *Mycobacterium tuberculosis*
V. WIEGAND, E. ADENIYI, Y. GAO, J. RYBNIKER, N. TEUSCH

Tuesday 01st September 2026

16:45 - 18:45 POSTER SESSION II & BURGER and CHEESE

("Le Millésime" area)

Topic 8. Pharmacological and biological activities of Natural Products: drug discovery (clinical, *in vivo*, *in vitro* and *in silico* approaches)**P-311** Kenaf seed oil: A potential alternative for statin intolerance *via* HMG-CoA reductase inhibition

I.N. ABD RAHIM, O. TAUPIQURROHMAN

P-312 Olive leaf extract as adjunct therapy in COVID-19: Integrating clinical and experimental evidence

S. ABDELGAWAD

P-313 The effect of nano-selenium fertilizer on secondary metabolites of *Dorema ammoniacum* leaves

E. ABEDI, D. JOSÉ MARQUES, A. HASSANVAND

P-314 Fungal whole-cell biotransformation of parthenolide generates novel metabolites for potential CYP450 phenotyping in clinical settings

J. ACHKHANIAN, M. ZWINGELSTEIN

P-315 The isothiocyanate, cheirolin targets nuclear activation of NF- κ B to reduce inflammation in LPS-stimulated RAW 264.7 macrophages

M. ADEWALE, O. OLAJIDE

P-316 Evaluation of antimicrobial and antioxidant activities of alginate-based films containing *Epilobium parviflorum*, *Tanacetum vulgare* and *Filipendula ulmaria* water extracts

K. AFANDI, J. KOWALONEK, A. RICHERT, N. HEJDA

P-317 Screening for the most potent antimicrobials in 800 tannin-containing species: Evidence for the superior activity of monomeric and oligomeric forms of hydrolysable tannins

M. AIROLA, J. SALMINEN, S. HAATAJA

P-318 Effect of the pyroligneous extract of *Eucalyptus urograndis* *in vitro* on *Pseudomonas aeruginosa* isolated from an intensive care unit

P. SILVA, N. ALVES, F. FEIJÓ, I. HOLANDA, A. PIMENTA, C. ARAUJO, C. SANTOS

P-319 8.3% *Dysphania ambrosioides* (L.) - based toothpaste in dogs with periodontal disease

V. SANTOS, N. ALVES, F. FEIJO, C. SANTOS

P-320 Efficacy of a disinfectant based on pyroligneous extract of *Eucalyptus urograndis* (clonel144) on surfaces contaminated with *Pseudomonas aeruginosa* in an intensive care unit.

P. SILVA, N. ALVES, C. ARAUJO, F. FEIJO, C. SANTOS, A. PIMENTA

P-321 Antibacterial and resistance-modulating activities of *Sterculia rhinopetala* stem bark: Inhibition of biofilm formation and efflux pumps

D. ANOKWAH

P-322 Phytochemical profiling and pharmaceutical properties of the endemic golden oak of Cyprus (*Quercus alnifolia*)

C. ANTONIOU, I. ANTONIOU, A. KYRATZIS, A. FOKAS, A. VERVERIS, K. CHRISTODOULOU, C. PALOUKOPOULOU, A.P. CHATZIVAMVAKI, D. LAZARI, C. NIKIFOROU

P-323 Understanding the mode of action of antimicrobial prenylated phenolics: An *in vitro* and *in silico* journey

J. RITSEMA, P. CALLIGARI, A. BOMBELLI, G. BOCCHINFUSO, C. ARAYA-CLOUTIER

P-324 The yeast three-hybrid (Y3H) system for Natural Product research: Method optimization and development

C. ASCHER, J. STEHLIN, S. MOSER

P-325 Shikonin/alkannin naphthoquinone derivatives for pulmonary delivery: HPLC characterization and formulation development

T. FOTOPOULOU, A. KAPOURANI, G. HÄDRICH, L.A. DAILEY, V. PAPAGEORGIOU, P. BARMPALEXIS, A. ASSIMOPOULOU

P-326 Targeted modulation of adiposity by bio-actives from a lesser-known African edible nut, *Coula edulis* Balli

I. ATANGWHO, C. IBENEME, U. OBETEN, D. UTI, G. EGBUNG, E. AGWUPUYE, A. AGBOOLA, E. EDET

P-327 Efficacy of St. John's wort extract (STW3-VI) on anxiety symptoms in moderate depression

H. AZIZ-KALBHENN

P-328 Natural antiviral agents from *Colchicum* species against Human Coronavirus 229E

I. BADJAKOV, I. DINCHEVA, P. GENOVA-KALOU, S. IVANOVA

P-329 Structurally diverse sesquiterpene lactones and dimers from *Tanacetum parthenium* targeting AKT/ERK signaling in melanoma cells

T. BALSIGER, R. HAN, M. RAKHMANOV, M. KARPOUCHTSI, M. DOBRZYNSKI, M. SMIESKO, A. PRESCIMONE, O. PERTZ, R. TEUFEL, E. GARO

P-330 Anti-metastasis and immunomodulatory effects of lutein and β -sitosterol in breast cancer mouse model

Y. BARAYA, K. KENG WONG, N. SORIANI YAACOB

P-331 Bioactive constituents of *Pistacia lentiscus* var. *chia* as potent inhibitors of TNFR/NF- κ B signaling

C. ANAGNOSTOU, E. KALAMPOKIS, A. BASDEKI, I. AKRANI, E. MIKROS, A. FILIPEK, T. JAKSCHITZ, G. BONN, J. HUBERT, A. KOTLAND, A. ABOU-DIB, L.A. SKALTSOUNIS, M. HALABALAKI

P-332 Potent anti-ulcer activity of *Aristolochia longa* rhizome extract: *In vivo*, histological and *in silico* evidence

I. BENAHMED

P-333 Inhibition of enzymes within the extracellular adenosine pathway by plant-derived polyphenols

D. BEREZOVSKA, S.V. LUCA, O. ŚWIDER, A. OLĘDZKA, M. BRYŁA, M.E. CZERWIŃSKA

P-334 Antibacterial and antioxidant activities, *in silico* molecular docking, pharmacokinetic analysis of compounds from roots of *Cyphostemma cyphopetalum*

T. BESHAI

P-335 Comprehensive metabolite profile and cytotoxic constituents of *Cryptolepis decidua*

T. BLANK, C. PUTH, A. KURZ, M. BENKA, M. RAKHMANOV, I. DU PREEZ-BRUWER, D. MUMBENGEGWI, D.A. PLATTNER, B. KAMMERER, R. HUBER, R. TEUFEL, V.M. LÜTH, O. POTTERAT

P-336 Leishmanicidal activity of the Amazonian plants *Caryocar villosum* (Aubl.) Pers. and *Pentaclethra macroloba* (Willd.) Kuntze

L.F. D. PASSERO, S. K. S. LIMA, I. N. CAVALLONE, M. D. LAURENTI, A.C. DE JESUS SILVA, C. SILVA LIMA, E.C. MÜLLER, K. SCOTERCCI, F. BOYLAN

P-337 Leishmanicidal effect of the *Capparis cartilaginea* Decne essential oil on *Leishmania* (*Leishmania*) *amazonensis*

L.F. D. PASSERO, S. K. S. LIMA, I. N. CAVALLONE, M. D. LAURENTI, B. ALSHARIF, F. BOYLAN

P-338 Comparative seasonal analysis of phenolic and flavonoid content and antioxidant activity in two accessions of *Fridericia chica* (Bonpl.) L.G. Lohmann

P.V. FRAGA, A.C. BRITO MARIA, L. WANG HANTAO, B. FERREIRA DA SILVA, A. DE SOUZA SILVA, W. DE SOUZA LI, I.M. DE OLIVEIRA SOUSA, L. DA SILVA DIAS RABELO, N. DE CÁSSIA ALMEIDA QUEIROZ, A.L. TASCA GOIS RUIZ, M.A. FOGGIO

P-339 Molecular docking study of catechin isomers as potential HIV-2 protease inhibitor

J.C. BUNGAR, S.L. DE PAZ-SILVA, A.R. MAZAHERY

P-340 Phytochemical profiling and evaluation of the antidiabetic and antioxidant potential of *Onobrychis tournefortii* (Willd.) Desv.: A Traditional Anatolian medicinal plant

Z. PARLAR, B. GÜNER, A. DEMİRAY, O. KAPLAN, I.I. CANKAYA

P-341 Biofilm phenotypes, induced by carotenoid-rich plant extracts, provide clues about *Pseudomonas aeruginosa* PAO1 lifestyle switches

J. CARETTE, A. DELACUVELLERIE, T. RASAMIRAVAKA, M. EL JAZIRI, P. DUEZ, R. WATTIEZ, A. NACHTERGAEEL

P-342 *In vitro* growth inhibitory activity and chemical profiling of essential oil vapours from Indian medicinal plants against pneumonia-causing pathogens

A. CHAURE, J. ANTIH, L. KOKOSKA, H. ROUBIK

P-343 Cytogenotoxic activity and phytochemical profile of *Azadirachta indica* stem bark extract

T.A. CORRÊA, L.P. ROCHA, D.G.G. GUIDOTI, D.T. GUIDOTI, H. SILVA, G.H.G. COSTA

P-344 Effects of *Cornus mas*, *Hippophae rhamnoides*, and *Chaenomeles japonica* fruit extracts on adipokine profile in rats

W. GÓRCEKA, M. BAMBUROWICZ-KLIMKOWSKA, M. CZERWIŃSKA

P-345 Development and characterization of new delivery systems containing extracts of *Viscum album*: Nanotechnology against glioblastoma multiform tumors

V. CAMPOS, P. PICCIANI, B. LEONHARD, J. BATISTA, U. WEISSENSTEIN, D. KRUEERKE, H. BÖTTGER, S. BAUMGARTNER, C. HOLANDINO

P-346 Differential responses of flavonoids and chalcone analogues to oxidative stress in endometriosis cell models

K. DE SOUZA GOMES, J. COELHO, G. CERCHIARO

P-347 Synergism between *Krameria lappacea* root extracts and gentamicin against Gram-positive bacteria

H. DEBELVALET, F. GAUVAIN, R. JANET-BINTZ, P. FECHTER, J. QUETIN-LECLERCQ, N. ALIGIANNIS, C. VONTHRON-SÉNÉCHEAU, R. GROUGNET, S. BOUTEFNOUCHET, F. GALLEGUILLOS, S. ORTIZ

P-348 A structured interdisciplinary pipeline for antimicrobial discovery addressing resistance and environmental persistence.

G. DEGOTTE, J. CORDONNIER, S. REMY, I. VILLENA, V. GREIGERT

P-349 Structure-activity relationship study of nature-inspired phenacyl glycosides

E. DELAR, C. GAUTHIER

P-350 Evaluating the cellular safety of psilocybin-containing mushroom extracts in human normal cell and cancer cell models

C. SAMS, K. FOSTER, B. THANKAPPAN, M. LANGAT, G. SARALA, T. DELGODA

P-351 From European plants to antiplasmodial extracts: A bioguided fractionation of *Laurus nobilis* reveals promising activity

E. DENDIEVEL, M. LAHNGONG, C. HAMANN, J. NICOLAS, O. JANSEN, M. FRÉDÉRICH, A. LEDOUX

P-352 Nutraceutical power of *Castanea sativa* (Mill) fruit shells in gastric inflammation: an *in vitro* study

E. PERCACCIO, S. DI GIACOMO, S. PIAZZA, G. MARTINELLI, E. SANGIOVANNI, A. DI SOTTO

P-353 Flavonoids and alkylresorcinols from *Labisia pumila* and *Premna foetida* impeded *in vitro* platelet aggregation: Potential application in atherosclerosis

R. DIANITA, I. JANTAN

P-354 Black chokeberry (*Aronia melanocarpa*) extract induces anabolic and anticatabolic signaling in C2C12 myotubes: mechanistic implications for diabetes mellitus prevention

T. KOSTOV, E. HABERSATTER, S. CHEN, C. BRINKMANN, T. ESATBEYOGLU, P. DIEL

P-355 Evaluation of the urease inhibitory activity of *Tilia rubra* subsp. *caucasica* (Rupr.) V.Engl. by activity-guided fractionation

E. DİLMAÇ, I. GÜRBÜZ, E. BEDİR, G. EREN

P-356 Antiviral potential of *Colchicum* species against Herpes Simplex Virus Type 1 supported by phytochemical profiling and *in silico* analysis

I. DINCHEVA, I. BADJAKOV, P. GENOVA-KALOU, S. IVANOVA, N. MARKOVA, M. RANGELOV, N. TODOROVA

P-357 Comparable antibacterial activity of extracts from aerial and underground parts of *Salvia verticillata*

K. DOKUPILOVÁ, M. VINCEOVÁ, E. KOSTOVČÍKOVÁ, P. MUČAJI, S. BITTNER FIALOVÁ

P-358 Bilirubin beyond animals: Unveiling the therapeutic potential of *Strelitzia nicolai* Aril extract

D. DWARKA

P-359 A comprehensive and comparative study of seven medicinal plants: Phytochemical screening and antioxidant activities

H. EL ALLAOU, K. HABOUBI

P-360 A human-relevant platform using high-throughput exposure to assess safety and pharmacological effects of smoked Cannabis

F. EMSER, M. SELLE, J. BERTRAM, M. GARCIA KÄUFER, C. GRÜNDEMANN

P-361 Bioactive constituents and antimicrobial activity of *Artemisia annua* leaves against multidrug-resistant bacteria

A. FALODUN

P-362 Comparative *in silico* analysis of the antiviral potential of isolated compounds and GC-MS extracts of *Artemisia annua* against 5RMM protein

A. FALODUN, V.O. IMIEJE, K. SUZAN I., O. ERHARUYI, A. SYLVESTER, I. ETINOSA, K. OSAHON OGBEIDE, J.O. IGOLI

P-363 *In silico* evaluation of GC-MS derived and isolated compounds from *Annona muricata* L. as potential inhibitors of SARS-CoV-2 main protease

A. FALODUN, V.O. IMIEJE, N.O. SAIBU, E. OSAYEMWENRE, S. AGHAHOWA, E. IGBINOSA, K.O. OGBEIDE, J.O. IGOLI

P-364 Saudi Arabian flora as a reservoir for antimicrobial discovery: Bioactive secondary metabolites from *Argyrobium arabicum* (Decne.) Jaub. & Spach targeting MDR pathogens

O. FANTOUKH, M. HAWWAL, S. AHMED, G. ALHAMOUD, F. AL-OTIBI, A. ALMANSOB, S. ALQASOUMI, W. ALOBAID, P. ALAM

P-365 Phytochemical insights into *Otostegia fruticosa* (Forssk.) Schweinf. ex Penz.: Secondary metabolites as promising leads against multidrug-resistant pathogens

O. FANTOUKH, G. ALHAMOUD, M. HAWWAL, S. AHMED, F. AL-OTIBI, A. ALMANSOB, S. ALQASOUMI, W. ALOBAID, P. ALAM

P-366 Immunomodulatory potential and synergistic effect of ciprofloxacin associated with *Eucalyptus urograndis* pyroligneous extract against *Staphylococcus aureus* of otological origin in dogs

F. FEIJO, I. MELO, N. ALVES, A. CASTRO, G. LOPES, G. COSTA, C. SANTOS

P-367 Efficacy of *Dysphania ambrosioides* (L.) paste against microorganisms present in the oral cavity

V. SANTOS, F. FEIJO, N. ALVES, C. SANTOS

P-368 Anti-inflammatory effect of oral administration of *Verbesina montanoifolia* extract in diabetic rats

B. FENTON NAVARRO, M. VARGAS VARGAS, A. VAZQUEZ HERNANDEZ

P-369 Fate of phytomarkers from plant-derived additives in the gastrointestinal tract of monogastric animals

L. FERRO HOLGUIN, M. LE BOT, P. ENGLER, S. BOISARD, D. GUILLET

P-370 Complementary nutraceutical strategies targeting blood pressure regulation: The role of oleuropein and potassium

J. FLADERER-GROLLITSCH, F. BUCAR, T. KLEIN, A. KOMPEK, D. MENZEL, C. SCHÖN

P-371 NeuroHEALTH: from psychotropic alkaloids to neuroprotective agents through integrated computational and experimental workflows

N. FOKIALAKIS, A. POLYZOIS, C. KOUFALI, N. MILIC, K. GAITANIS, E. PANOU, A. SOFIA PACHYGIANNI, V. KOTSINIS, H. TZOUPIS, A. AFANTITIS, M. KRITSANIDA, O. GENILLOU, K. SKALICKA-WOŹNIAK, B. BUDZYŃSKA, S. PETRAKIS, K. PLIATSIKA, C. PETROU, N. ALIGIANIS, I. CHINOU

P-372 *In vitro* evaluation of antiviral activity of *Calendula officinalis* against arboviruses

M. FONSECA, J. OLIVEIRA, T. ALVES, M. PEDROSA, A. SILVA, T. SOUZA, E. FLORES-SOUZA, A.B. MENDES, M. FERREIRA, A. CALDEIRA, E. KROON

P-373 Quantitative NMR meta analysis of Natural Product isolates reported in the recent literature

B. FRIESEN, D. REBOLLAR-RAMOS, C. WANG, S.V. LUCA, M. VIANA, J. MCALPINE, S. CHEN, G. HARRIS, G. PAULI

P-374 Aminated xanthenes as apoptosis-inducing agents in lymphoma A20 cells

X. FU, S.H. MAH

P-375 Wound-healing activity and phenolic/flavonoid content of *Marrubium vulgare* L. extracts and fractions

S. GHADAMI, N. KHOSRAVI DEHAGHI, H. MIR BAGHERI, A. BAGHAI, M. DELNAVAZI, N. ZONOUBI, M. SHARIF ZADE

P-376 New germacranolide and eudesmanolide sesquiterpene lactones from *Mikania nummularia* DC. (Asteraceae) with antitrypanosomal and antihelmintic activity

M. GONÇALVES, D. TRISTÃO, L. CARNEIRO, V. ALBUQUERQUE, T. TEIXEIRA, M. AMARO, R. ALMEIDA, J. DE MORAES, A. TEMPONE, J.H. LAGO

P-377 Effects of *Cornus mas*, *Hippophae rhamnoides*, and *Chaenomeles japonica* fruit extracts on metabolic profile in rats

W. GÓRĘCKA, D. PADEWSKA, M. BRYŁA, D. BEREZOVSKA, M. BAMBUROWICZ-KLIMKOWSKA, M. CZERWIŃSKA

P-378 Bioactive molecules from the Middle of the World: Unlocking the natural treasure of Ecuadorian biodiversity

C. BARBA-OSTRIA, R. GONZALEZ-PASTOR, J. HEREDIA-MOYA, A. MAYORGA-RAMOS, J. ZÚÑIGA-MIRANDA, A. PEÑAHERRERA-PAZMIÑO, E. COYAGO-CRUZ, L. GUAMAN

P-379 Memory-enhancing effects of the dichloromethane extract of *Lavandula stoechas* L. subsp. *stoechas* on scopolamine-induced amnesic rats

E. GÜNDAY, F.S. ŞENOL DENİZ, . SÜNTAR, M.A. DEMIREL, A. KAHRAMAN

P-380 Phytochemical profiling of *Echinophora* species and comprehensive evaluation of antioxidant, DNA protective and genotoxicity-related safety

S. GÜNDOĞDU, M. GÖZÜBÖYÜK, G. İPEK-ERDEMLİ, M. YÜZBAŞIOĞLU-BARAN, G. EMECEN, A. DOĞRU, E. NEMUTLU, A. SIMON, A. KURUÖZÜM-UZ

P-381 *Nigella sativa* L.: Some phenolic compounds and biological effects

S.H. GÜREL DÖKME, D. ÇİÇEK POLAT, B. KARACA, E. KÖNGÜL ŞAFKAT, S. İLGÜN, A. KÖROĞLU

P-382 *Cimicifuga racemosa* extract Ze 450 reduces visceral fat while preserving skeletal muscle mass in a high fat diet model in female rats

E. HABERSATTER, S. CHEN, T. KOSTOV, J. DREWE, G. BOONEN, V. BUTTERWECK, P.R. DIEL

P-383 Metabolomics guided generation of a chalcone library for RSV antiviral discovery

P. HAEMMERLI, L. COLLARD, M. HUBERT, L. LE GREGAM, L. MARCOURT, A. GRONDIN, S. CLÉMENT, E. FERREIRA QUIEROZ, C. TAPPAREL, J. WOLFENDER

P-384 Proprietary syrups of *Plantago lanceolata* and *Hedera helix* produce antibacterial and inhibition of adhesion of *Streptococcus pyogenes* on bronchial epithelium

O. A. OLAJIDE, V. U IWUANYANWU, E. MFOTIE NJOYA, P. NDIFON, A. J SLATE, T. HALLETT

P-385 Differential modulation of Na⁺/K⁺-ATPase and vascular function induced by *Viscum album* extracts: The role of host tree species and harvest season

R. DUARTE, M. MELO, J. BATISTA, G. MARTINS, A. OLIVEIRA, R. TAVEIRA-DA-SILVA, M.L. SILVA, R. VALVERDE, M. EINICKER-LAMAS, A. GASPAROTTO JUNIOR, S. BAUMGARTNER, C. HOLANDINO

P-386 Physicochemical characterization of Electrospun Core–Shell PLA/Pluronic® nanofibers loaded with *Viscum album* extract

C. HOLANDINO, K. NOGUEIRA, Z. FREITAS, J. RODRIGUES, M. DIAS, M. MELO, V. CAMPOS, S. BAUMGARTNER

P-387 Toxicological evaluation of *Viscum album* lipophilic extract loaded in self-nanoemulsifying system (SNEDDS-VALE): *In vitro* and *in vivo* assays.

C. HOLANDINO

P-388 LC-MS profiling of phytochemical constituents and microbial metabolites in an *in vitro* IBS model following MYRRHINIL INTEST® treatment

I. HUBER, J. HEILMANN, B. LIPOWICZ, C. DUYSBURGH

P-389 Characterizing antitumor properties of Natural Products from New Caledonia's terrestrial flora

P. HUCHEDÉ, H. ABALAM, V. DUMONTET, J. LÉAL, P. EATENE-ROLAND, F. CHASSAGNE, E. HNAWIA, M. HADDAD, M. MATSUI

P-390 From carrier to crosslinker: Bifunctional γ -cyclodextrin for enhanced delivery of asiatic acid

M. IGNACYK, B. MICHNIAK-KOHN, J. CIELECKA-PIONTEK

P-391 Agapanthussaponin A, a steroidal glycoside, induces apoptosis and ferroptosis in human small-cell lung cancer cells

T. IGUCHI, T. SHIMAZAKI, Y. MIMAKI

P-392 Integrated network pharmacology, biophysical, and cellular insights into the neuroprotective potential of plumbagin against Alzheimer's Disease

F. IRAM, A. ISLAM

P-393 Design of semi-synthetic Natural Product-derived diterpenoids as P-gp Inhibitors in multidrug-resistant lung cancer

G. BANGAY, V. ISCA, E. LOPES, F. BARBOSA, A.S. AMARAL, M. PESIC, C. RIGANTI, P. RIJO

P-394 Screening of *Plectranthus* species for antimicrobial and skin-related enzyme inhibitory activities

M. FILIPE, V. ISCA, R. ANDRÉ, A. HUSSEIN, P. RIJO

P-395 Isolation, in vitro acetylcholinesterase inhibitory activity, molecular docking and *in silico* ADME analysis of compounds from *Cadaba farinosa*

M. ISSOUFOU TINI, A. ALABDUL-MAGID, L. VOUTQUENNE-NAZABADIOKO, M. TALEB, S. IDRISSE

P-396 Cytotoxic, anti-biofilm and anti-quorum sensing activities of *Dracocephalum botryoides*

G. JAFAROVA, J. ISAYEV, K. ERKAN TÜRKMEN, E. ERDAL

P-397 Medicinal plants combined with photodynamic therapy for wound-healing: A novel treatment strategy?

K. JAMAL, B. JALIL, L. MOU, I. NERODENKOVA, A. HESKETH, F. SCOTTI, J.A. CARRASCO, A. MENESES, C. SPADAFORA, J. POLANCO, C. MAAKE, M. HEINRICH

P-398 Comparative metabolomics of the genus *Limonium* and its potential in hair growth stimulation via p-GSK-3 β / β -catenin signaling pathway

E.J. JEONG, M.G. PARK, Y.N. KIM, Y.J. KIM, J.S. LEE, W.J. JUNG

P-399 Bioguided fractionation of *Artemisia annua*: identification of casticin as a anti-melanoma agent

K. JULLIEN, C. HAMANN, L. DELAVA, M. LAHNGONG, M. FREDERICH, E. MAQUOI, A. LEDOUX

P-400 Casticin extraction versus synthesis: economic trade-offs and opportunities in bioactive molecule discovery

R. KACHER, K. JULLIEN, E. GOFFIN, M. FRÉDÉRICH, P. FRANCOTTE, A. LEDOUX

P-401 Topical *Salvia triloba* extract rich in carnosic acid and carnosol for hand eczema: An observational retrospective study

P. KALLIMANIS, S. PRODROMIDIS

P-402 Plant-derived topical formulation in acute infective paronychia: A retrospective case series

P. KALLIMANIS, S. PRODROMIDIS

P-403 Topical *Salvia fruticosa* extract rich in carnosic acid and carnosol for COVID-19-associated cutaneous manifestations: Three cases

P. KALLIMANIS, S. PRODROMIDIS

P-404 Green glycosomes as a delivery system to improve the stability and gastroprotective activity of *Clematis flammula*

L. KAROU, D. KILANI-ATMANI, L. HANIFI, D. ATMANI, T. KADDOUR, N. DRIS

P-405 Two sesquiterpene lactones from *Artemisia umbelliformis* subsp. *eriantha* Ten. with anti-*Trypanosoma cruzi* activity

O. KAROUTZOU, Y.A.M. CARVALHO, E. MIKROS, L.A. SKALTSOUNIS, M.B.P. SOARES, C.S. MEIRA

P-406 Target identification for brevipolides inhibiting oncogenic PI3K/AKT signaling in malignant melanoma

M. KARPOUCHTSI, R.E. VAN DIEST, I. BAYRAMOGLU, S. KÄSER-PEBERNARD, P. GAGLIARDI, T. HELL, L. DÜRR, M. DOBRZYŃSKI, M. SMIEŠKO, M. HAMBURGER, O. PERTZ, J. DENGJEL, R. TEUFEL, E. GARO

P-407 Novel antibacterial carbazole alkaloid from the Indian culinary plant *Murraya koenigii*

S. KASHYAP, S. BISWAS

P-408 Carrot leaf extract promotes bone growth via Wnt/ β -catenin and BMP-2 in calcium and vitamin D deficiency mouse model

H. KIM, J.A. RYUK, K. JI, B.S. KO, H. YANG, C.W. KWON, T.H. KIM

P-409 Structure activity relationship of sesquiterpene coumarines from *Ferula assa-foetida* on endothelial cell functions

B. KIRCHWEGGER, A.P. ROGGIO, A. ZIOLKOWSKI, A. WASILEWICZ, J. ROLLINGER, R. FÜRST

P-410 The pseudodipeptide N-lactoyl-phenylalanine shows no direct activity on human vascular or immune cells

B. KIRCHWEGGER, W. ZHANG, G. HÖFNER, R. FÜRST

P-411 Beyond artemisinin: Uncovering anti-Inflammatory effects of an artemisinin knock-out fraction of *Artemisia annua* L. in M1-polarized THP-1 macrophages

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- P-520** EGb 761® protects from LPS-mediated cell damage in a neuron and microglia co-culture model *in vitro*
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D. PORTELA, V. VALE, L. FAVILA, C. NASCIMENTO, T. RACHA, P. SÁ, E. MARQUES, M. SILVA
- P-524** Sweet cherry consumption improves glycemic control and inflammatory biomarkers in healthy adults
L. SILVA, R. AITFELLA LAHLOU, F. CARVALHO, E. BÁRBARA, I. SANTOS
- P-525** Combinations and molecular hybrids of antitumor triterpenes from Mexican plants: Design, synthesis and cytotoxic evaluation.
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- P-526** *Erythroxylum tortuosum* Mart.: phytochemical fingerprint of a Cerrado medicinal plant
R.M. ECHEVERRÍA, L.S.d.M. LEAL, P.M. RODRIGUES, O.E. ESTRADA-SEMPRUN, C.W. FAGG, G.D. BRAND, A.R. MOL, P.O. MAGALHÃES, Y.M. FONSECA-BAZZO, D. SILVEIRA
- P-527** Potent acetylcholinesterase inhibitors from *Zephyranthes sylvatica* and *Zephyranthes irwiniana*, native to the Brazilian Cerrado
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- P-528** Development of potential anticancer drug candidates from *Juncus heldreichianus* subsp. *heldreichianus*
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- P-529** Spatial variation in biological activities of *Pipturus argenteus* from Aratika Atoll (French Polynesia)
S. BENAYAD, S. STÉPHANIE, T. TEAI
- P-530** Peroxisome targeting with eicosenol to selectively eliminate leukemia cells
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- P-531** Plant extract screening reveals LDL-lowering potential in borage (Boraginaceae) family
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- P-535** *Thymus serpyllum* extract modulates the gut microbiota-host axis: Correlation between opportunistic taxa changes and clinical improvement in functional gastrointestinal discomfort
C.G. SUAREZ, J. GARCIA-GARCIA, R. PALACIOS-LÓPEZ, A. CABALLERO, E. REDONDO-CEREZO, A. RODRIGUEZ-NOGALES, M.E. RODRÍGUEZ-CABEZAS, R. ROTH-EHRANG, J. GÁLVEZ
- P-536** Wild thyme (*Thymus serpyllum* L.) extract supports gastrointestinal function and mental quality of life through microbiota linked mechanism
C. SUAREZ RIZZO, R. ROTH-EHRANG, A. BLAINSKI
- P-537** Cytotoxicity profile of *Ferulago longistylis* Boiss. against selected cancer cells

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A. SULYMAN, K. SINGH, N. KUBEN

P-540 Synergistic white adipose tissue beiging by four Ayurvedic phytochemicals via multi-node PGC-1 α cascade activation: An *in vitro* study

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P-541 The antifungal activity and bioanalysis of fractions from *Tulbaghia violacea* acetone extract.

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P-542 Neuromodulatory anthelmintic potential of tannin-free medicinal plant extracts: Insights from behavioral and gene expression studies in *C. elegans*

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P-546 Anticancer potential of extracts from selected *Potentilla* species against human colorectal cancer cells

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P-552 TLC bioautography, antibacterial potential, and molecular docking of *Fomitopsis pinicola*

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P-553 Comparative study of the chemical composition and bioactivity of wild and cultivated *Pastinaca sativa* extracts

L. UŠJAK, K. SKALICKA-WOŹNIAK, . KULINOWSKI, . ŚWIĄTEK, K. SALWA, I. KORONA-GŁOWNIAK, K. SUŚNIAK, M. NIKETIĆ, S. PETROVIĆ

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P-555 Development of cannabidiol-olive secoiridoid conjugates as potent 5-lipoxygenase inhibitors

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P-556 Does *in vitro* simulated gastrointestinal digestion affect phenolic content and antioxidant capacity of sage extracts?

A. ALIMPIĆ ARADSKI, K. MILESKI, S. JANKOVIĆ, D. PLJEVLJAKUŠIĆ, I. VELICKOVIĆ

P-557 Optimization of innovative nociceptive co-culture model with human neurons and epidermal cells

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P-558 Prunetin as a dual-action phytoestrogen: Antidiabetic and anti-inflammatory potential revealed through *in vitro* and network pharmacology approaches

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P-559 Phytochemical profiling and antibacterial activity of underground organs of selected *Salvia* species

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I. VUKALOVIC, T. BLANK, O. POTTERAT, A. GRIMM, A. ECKERT

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P-562 From Nigerien traditional medicine to antifungal leads: Phytochemical profiling and screening of medicinal plant extracts

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P-563 Unlocking the Herbicidal Potential of *Cynara cardunculus* L. through bio-guided fractionation

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P-564 Steroidal components of the whole plants of *Helleborus argutifolius viviani*

A. YOKOSUKA, Y. YOSHIZAWA, T. IGUCHI, Y. MIMAKI

P-565 Interaction of aqueous fermented extract of *Rhus toxicodendron* L. with pain-associated G protein-coupled receptors

I. ZILKOWSKI, A. KLIEWER, M. BRENDL, K. GRUBER, F.F. SCHMIDT, A. HERRICK, F.C. STINTZING

P-566 Cholinesterase inhibitory activity and GC-MS profiling of *Satureja hortensis* L. essential oil and fractions

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P-567 Innovative identification and evaluation of Natural Product inhibitors of MreB as promising unaddressed antibiotic target

A. ZÜRBIG, A. DOMBOVSKI, J. JOSE, S. SCHREIBER, F. HERRMANN

P-568 Natural products as initial scaffolds for generating promising antifungal candidates against phytopathogenic fungi

M. ZWINGELSTEIN, S. SCHNEE, P. SCAPOZZA, W.D. RODRIGUES, M. TANIMOTO, L. MARCOURT, E. MICHELLOD, J. WOLFENDER, K. GINDRO, E.F. QUEIROZ

P-569 Whole-cell fungal biotransformation and CYP-mediated metabolism of solanidine: a tool to access human-relevant metabolites

M. ZWINGELSTEIN, J. ACHKHANIAN, J. MÜLLER, L. MARCOURT, E. MICHELLOD, Y. DAALI, J. WOLFENDER, K. GINDRO, E.F. QUEIROZ

P-570 Investigation of phytochemical constituents and their physiological impacts of *Helichrysum stoechas subsp. barrelieri* on endothelial, keratinocyte, and fibroblast cells

E. ÖZDEMİR NATH, P.E. CAMPOS, G. GÜNDOĞAN, A. ÇETİN, E. DESTANDAU

P-571 Many faces of honey: Analysis of its biological activity for health applications

A. GOŚCINIAK, M. MACKIEWICZ, K. MINGE, C. PROESTOS, J. CIELECKA-PIONTEK

P-572 *Lepidium peruvianum* as a source of glucotropaeolin: Isolation and CNS-related biological activity

W. KUKULA-KOCH, R. SZALAK, D. TARABASZ, P. SZCZEBLEWSKI, D. NIEOCZYM

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P-573 Centrifugal Partition Chromatography as a green tool for isolation of bioactive gingerols with neuroprotective potential

W. KUKULA-KOCH, N. KOSHEVA, A. ANGELIS, A. FILIPEK, T. JAKSCHITZ, G. BONN, D. NIEOCZYM

P-574 Films incorporating apigenin and thymol for combined regenerative and antifungal activity in foot care applications

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T. TSOPANI, K. THEODORIDIS, O. KARABINAKI, E. KOKKINOS, E. PATERAKIS, K. SIMEONIDIS, E. PELEKA, C. TSIPTSIAS, P. SAMARAS, A. ZOUBOULIS, D. CHRISTOFILOS, A. ASSIMOPOULOU

P-576 NADES-based green extraction of broccoli leaf phenolics

R. CARVALHO, A. SUNNA

P-577 Metabolic profiling of *in vitro* adventitious root cultures of *Iris germanica* L. under abiotic elicitation in bioreactors

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P-578 Controlled alcoholic fermentation: Improving active enrichment and processing of plant extracts for cosmetic applications

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P-579 Beyond the magic bullet: An integrated bio-analytical funnel to unveil botanical synergy and dermo-cosmetic potential

D. HAGGOUCH, C. NOVICK, S. MASSIS, S. VERNIER, S. MESSAILI, J. GINESTAR, E. DELANNAY

P-580 Optimization of controlled-release microspheres containing vitexin and isovitexin through experimental design and evaluation of their hypoglycemic effects

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P-581 Green preservation of cultural heritage using MgB₂ nanopowders and timol-enriched rosemary extracts

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P-582 Nutritional value by DIAL program and the Bilnut Software of some traditional recipes based on wild edible plants

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P-583 Enzymatic conversion of piperine by *Trametes versicolor* laccases for the discovery of unusual bioactive derivatives

E. FERREIRA QUEIROZ, N. PEPORINE LOPES, L. MARCOURT, M. HIRAKU TANIMOTO, K. GINDRO, J. WOLFENDER

P-584 Biosourced Au(III) complexes incorporating xyloside-biogenic polyamine conjugates ligands: Synthesis and antitumoral evaluation

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P-585 Smart ambidextrous supramolecular gelling compounds based on phenolic acid issued from wood as multifunctional ingredients for cosmetic or medical applications

M.C. RUIZ, J. BLIN, C. GERARDIN CHARBONNIER

P-586 Spicule-based delivery systems in cosmetic formulations: Evaluation of sensorial properties and potential for enhanced topical delivery

S. VACCARO, B. DE CARNE, P. GOI

P-587 Metabolic rewiring of *Nicotiana tabacum* hairy roots for high level anatabine biosynthesis

E. KOSKELA, N. MAIOROVA, S.T. HÄKKINEN

P-588 From plant to tailored extract: Controlled cannabinoid and terpene recovery from *Cannabis sativa* L. with promising antiproliferative activity in TNBC.

C. HAMANN, O. JANSEN, L. TEILLIEZ, D. DJABRAILOVA, K. JULLIEN, P. SACRE, F. BAFORT, A. LEDOUX, E. MAQUOI, M. FRÉDÉRICH

P-589 Targeted bioproduction of araloside A in *Aralia spinosa* L. hairy roots: Rhizobium-mediated transformation, culture optimization and growth kinetics analysis

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P-590 Structural characterization of immunomodulatory polysaccharides in fermented Noni extracts

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P-591 Enzymatic glycosylation of polyphenols and study of their biological activities for cosmetic applications

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P-592 Optimization of azaphilone production in *Penicillium sclerotiorum* by selection of amino nitrogen source

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P-593 Noble metal nanoparticles enhance antioxidant potential in *Brassica oleracea* L. var. *italica* (broccoli) *in vitro* cultures

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P-594 Antioxidant potential of phenolic metabolites from cultured *in vitro* *Houttuynia cordata* Thunb. (fishmint) shoots

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P-595 Lignan profiling and antimicrobial activity of extracts from *Schisandra sphenanthera* *in vitro* cultures

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P-596 Development of eco-friendly "green" analytical methods for the identification of herbal medicines in the Korean Pharmacopoeia

Y.Y. MAENG, M. CHOI, H.W. PARK, J. BAE, M. SIM, Y.P. JANG

P-597 Isolation and characterization of exosome-like nanoparticles and their evaluation as agents/carriers in functional cosmetics

S. MONTAGNA, B. CONVERSAZIONI, M. BIAGI, G. COSTANTINO, T. CACCIA

P-598 Biotechnological potential of the endangered halophyte *Eryngium maritimum* L. for sustainable *in vitro* production of plant material with preserved phytochemical fidelity

M. OBRĘBSKI, R. KIEŁKIEWICZ, A. ŚLIWIŃSKA, W. SKOWROŃSKA, K. SYKŁOWSKA-BARANEK, J. PIWOWARSKI

P-599 Development and preliminary validation of α -glucosidase-functionalized magnetic particles for ligand fishing applications

G.P. ROSA, M.C. BARRETO, A.M.L. SECA

P-600 Green synthesis and anti-Inflammatory activity of silver nanoparticles based on leaves extract of *Aphania senegalensis*

I. SECK

P-601 Methyl jasmonate increases phytocannabinoid content and induces metabolic reprogramming in the glandular trichomes of *Cannabis sativa* L.

G. SENEVIRATHNE, M. WELLING, A. GENDALL, K. JOHNSON

P-602 Environmentally sustainable elicitors for enhanced secondary metabolite production and growth in the endangered medicinal orchid *Crepidium acuminatum* (D. Don) Szlach.

V. SHARMA, R. SHARMA, Y.P. SHARMA, P. KUMAR

P-603 Mutation breeding: An approach for induced variability and genetic improvement in medicinal and aromatic plants

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P-604 CYP716C enzymes catalyze the C-2 oxidation of maytenoic acid in the biosynthetic pathway of *Monteverdia ilicifolia*

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P-605 Chemoenzymatic diversification of oblongifolin B from Brazilian red propolis by *Trametes versicolor* laccases

M. TANIMOTO, W. RODRIGUES, L. MARCOUT, A. PINHEIRO, I. MACEDO, J. BASTOS, J. WOLFENDER, K. GINDRO, E. QUEIROZ

P-606 A (natural) deep eutectic solvent-based approach to extract bioactive metabolites from comfrey (*Symphytum officinale* L.) roots

A. TRIFAN, K. WANG, K. CZECH, C. HANO, K. KAWEL-BEBEN, K. SKALICKA-WOZNIAK, M. MINCEVA, S.V. LUCA

P-607 Enhancing therapeutic carnosol production in *Salvia officinalis* Cell Cultures via SmERF6-mediated metabolic engineering

S. VIJAYAKUMAR ANITHA, B. REVURU, S. RAMALINGAM

P-608 Green chemistry-guided valorization of agro-derived pentoses and hemicelluloses for the synthesis of bioactive molecules

M. VILLERS, V. HERRSCHER, J. BEHR

P-609 Integrated bioreactor and green extraction strategy for rosmarinic acid-enriched *Salvia bulleyana* extracts with multifunctional cosmeceutical potential

I. GRZEGORCZYK-KAROLAK, M. KRZEMIŃSKA, V.K. GARIĆ TOUMA, M. ZORIĆ, M. ZOVKO KONCIC

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P-610 Determination of heavy metals and microbial contamination in Herbal Medicinal and health products in Saudi Arabia

T. ALMUHANNA, W. ALDURAYWISH, K. ALSHEHAIL, A. ALMOGHERAH, H. ALMALKI, F. ALANZI, B. ALSULIMAN, S. ALAWADH, F. ALMADHI

P-611 Bioactive compounds from Guinean traditional medicinal plants: New perspectives for dermatological therapies

E.S. BALDE, K. GOMOU, F. BAH, M.A. BALDÉ, M.S. TRAORÉ, A.M. BALDE

P-612 Quality and safety assessment of CBD oils marketed in Europe: A long-term monitoring study (2016–2025)

Z. BINOVA, M. MALY, L. DRABOVA, V. GOMERSALL, M. ZLECHOVCOVA, J. HAJŠLOVA, F. BENES

P-613 Pharmacognostic analysis and preliminary quality evaluation of young aerial parts of *Reynoutria japonica* Houtt.

M. BOYADZHIEV, T. GRUYKIN, A. NELCHEVA

P-614 Optimization of sonotrode ultrasound-assisted extraction of polyphenols from the leaves of *Aronia melanocarpa* (Michx.) Elliot, 'Nero' cultivar

I. BOZBEI, A. OHINDOVSKI, A. SOCHIRCA, I. NADASAN, M. BABOTA, C. FURSENCO, C. TATIANA, C. TANASE, P. SERGIU, L. UNCU

P-615 Ethnobotanical survey of traditional uses of Cape Verde endemic species

E. LANDIM, R. PINHO, A. GOUVEIA, P.J. OLIVEIRA, C. CABRAL

P-616 UPLC-PDA-based simultaneous quantification of key phytochemicals in *Pseudognaphalium affine* for quality control and chemometric evaluation

T. CAO-LY-TAN, D. NGUYEN-THI-XUAN, T. HUYNH-NGOC, H. TRAN

P-617 Comprehensive exploration of developing antipsoriatic medication *Indigo Naturalis* (Qingdai): From Cultivation to Formulation

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P-618 Effect of thermal processing and extraction method on the phytochemical profile and antioxidant activity of *Curcuma longa* L.

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P-619 Phytochemical, antioxidant, antiviral and anti-inflammatory profiling of *Elaeocarpus* species from Southeast Asia with Isolation of compounds from *E. grandiflorus*

K. DELICA-BALAGOT, K. NADYA, A. LE, K.W. BALAGOT, T. RAVIRAJ, S. RENADI, R.S. PANJAITAN, O. MYKHAILENKO, M. SAFRATOVA, Y. CHEN, T. HWANG, F. CHANG, M. KORINEK

P-620 HPTLC reinvented: A data-driven approach for reliable identification and quality control of medicinal plants

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P-621 Visualising vitality of wheat and spelt

M. DOESBURG-VAN KLEFFENS, P. DOESBURG, C. GRÜNDEMANN

P-622 What's in a name? Confusions can arise both from the naming of plants (binomial scientific, pharmaceutical and vernacular) and the trivial naming of their chemical components

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P-623 Environmental variability and its impact on phytochemical and safety profiles of *Cannabis sativa* L. cultivated in Northern Morocco

K. EL AHMADI, K. HABOUBI, P. NGUYEN-TRI

P-624 Type of water influence the chromatographic profile of *Artemisia annua* and *Artemisia afra* cultivated in Kongo Central, Democratic Republic of Congo

D. MUKUNDI, P. MUTWALE, M. LAHNGONG, A. LEDOUX, M. FREDERICH

P-625 Authenticity under siege: Fifteen years of combatting botanical ingredient fraud

S. GAFNER, N. ORHAN, P. SATYAL, C. BASCOUL, J. HUBERT, R. UPTON, I.A. KHAN, M. BLUMENTHAL

P-626 Characterization of phenolic metabolites and enzyme activities during growth stages of milk thistle (*Silybum marianum*)

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P-627 Swelling behavior and microscopic characterization of *Citrus* seed mucilage

T. GRUYKIN, A. NEDELICHEVA

P-628 HPLC-based quantitative analysis of galantamine in *Galanthus* and *Narcissus* taxa

S. GUNDOGDU, N. ÖZENVER, A. SERIM-KARATAŞ, H. TUZLACI, E. KAYA, A. KURUÜZÜM-UZ, B. ŞENER, L. DEMIREZER

P-629 From phenolics to vitamin D glycosides: Comprehensive profiling of *Cestrum diurnum* reveals a novel 25-hydroxycholecalciferol diglucoside

T. HEYMANN, S. AUTZEN, M.A. GLOMB

P-630 Quality control and valorization of Moroccan saffron by-products (*Crocus sativus* L.): Analysis of bioactive compounds and pesticide residues

S.M. JADOUALI, F. GUIRROU, H. OURRADI, H. ZAHIR, H. ATIFI, H. HANINE, R. MAMOUNI

P-631 Analytical development of a UHPLC method for the assay of cannabinoids in various *Cannabis sativa* L. matrices

L. DURON, Q. RUFFAUT, S. KARON, A. THOREL, S. CHANUT

P-632 Phytochemical evaluation and antioxidant activity of *Urtica* L. species

N. SAHBAZ, G. KAYA

P-633 Modified QuEChERS Pretreatment Coupled with GC-MS/MS for the simultaneous determination of polycyclic aromatic hydrocarbons in herbal medicines

J.C. KIM

P-634 A comparative study on glycyrrhizin variation in cultivated and distributed licorice in South Korea

Y. KIM, J.H. LEE, Y.H. YOON, D.K. SON, M.J. KWAK, S.Y. WOO

P-635 Comprehensive profiling of *Rhodiola rosea* root-based products - problem with the correct species annotation.

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Each participant receives a name badge upon check-in at the Registration Desk. **You must wear your badge at all times to access session rooms, the poster and exhibition areas, and social events; entry may be refused without it.** A badge lost during the congress can be reissued at the Registration Desk on presentation of proof of registration.

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Cash machines are available in the city centre of Reims, within walking distance of the Convention Centre, and at the Gare Reims-Centre railway station.

- Banque Populaire Alsace Lorraine Champagne - Agence Reims Clairmarais - about a 3- 4-minute walk from the Palais des Congrès.
- Cash Services - 10 Rue Carnot, also just a few minutes on foot.
- SG - 2 Place Royale, around an 8–10-minute walk from the congress centre.
- Caisse d'Épargne Reims Centre-Ville - 62 Rue de Vesle, around 10 minutes' walk.

Certificate of Attendance

A Certificate of Attendance is sent to all registered participants by email, in digital form, after the congress.

Cloakroom

A staffed cloakroom is available in the registration area of the Reims Convention Centre, free of charge for registered participants, for the duration of the congress.

Currency

The official currency in France is the Euro (€). Credit and debit cards, including contactless payment, are widely accepted throughout Reims.

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Dial 112 for any medical, fire or police emergency - the single emergency number valid anywhere in the European Union, including France. First-aid assistance is also available on-site: please alert any member of the Registration Desk or congress staff, who can direct you to the First Aid Room.

Exhibition

An industry exhibition runs throughout the congress, showcasing partners from the botanical, pharmaceutical and natural-product sectors on the 2nd floor - “Bouchon” area. See Exhibitors & Sponsors section for the list of participating companies.

Food and Beverages

Coffee breaks, lunches and the wine-and-cheese poster receptions are included in the congress registration fee and served in the areas indicated on-site. Please do not bring food or drinks into the session halls.

Lost and Found

Lost property may be handed in or claimed at the Registration Desk or from any staff member.

Mobile Phone Policy

As a courtesy to speakers and fellow participants, please switch mobile phones to silent in all session rooms.

Poster Sessions and Poster Area

Posters are displayed for the duration of the congress; please refer to your poster number in the Detailed Abstracts - Posters section of this book. Poster Session I is held on Monday 31 August, 17:35 - 19:05, and Poster Session II on Tuesday 1 September, 16:45 - 18:45 - both with wine and cheese in the “Millésime” area. Please follow the on-screen instructions to find the poster location.

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Grand Reims Mobilités is the official transport partner of GA2026. Participants benefit from the Mobiday 24 h ticket at €2.40, valid for one person and giving unlimited travel on the whole network - tramway, city buses and suburban express routes - for 24 hours from the first validation. The ticket must be validated again at every connection.

Where: Registration Desk, Reims Convention Centre, 12 Bd du Général Leclerc, 51100 Reims. **The special congress fare is not sold anywhere else.**

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