



## **10th Brazilian Conference on Natural Products (BCNP) and XXXVI Annual Meeting on Micromolecular Ecology, Systematics and Evolution (RESEM)**

November 4–7, 2025 · Universidade Federal de Minas Gerais · Belo Horizonte, Brazil

### **Welcome Message**

Dear participants,

We are pleased to welcome you to the 10th BCNP and XXXVI RESEM, bringing together researchers, students, and professionals from around the world to share advances, foster collaborations, and celebrate the diversity and richness of natural products science.

This document provides a detailed program of our event, including plenary and invited lectures, roundtables, poster sessions, and social activities. It is designed to help you plan your participation and make the most of your experience in Belo Horizonte.

Warm regards,

The Organizing Committee

### **Detailed Program**

Please refer to the complete schedule provided in the event materials and on the website.

### **Useful Information**

**Event Venue:** CAD 1 – Universidade Federal de Minas Gerais (UFMG), Av. Antônio Carlos, 6627 – Pampulha, Belo Horizonte – MG.

**Poster Sessions:** Pilotos area (ICB – open ground floor area).

**Official Language:** English (Portuguese accepted sometimes for posters and oral presentations).

**More Information:** Visit our website [10th.bcnp-sbq.com](http://10th.bcnp-sbq.com) and follow us on Instagram @10thbcnp

### **Acknowledgments**

We thank all participants, speakers, sponsors, and supporting agencies — CAPES, CNPq, FAPEMIG, and our partner companies — for making this edition possible.



*Let's make the 10th BCNP / XXXVI RESEM an unforgettable celebration of science, biodiversity, and collaboration.*

# 10th BCNP / XXXVI RESEM

## Full Program English

### Day 0 – Tuesday, November 4th, 2025

- 01:30 PM – 05:30 PM – **Registration** and Reception of participants, as well as material delivery.  
Location: Event Secretariat (CAD 1 entrance hall)
- 01:30 PM – 05:00 PM – **BCNP at School** (Praça de Serviços)
- 02:00 PM – 04:00 PM – Mini-course: **CAS BioFinder** (Chemistry Department)
- 06:30 PM – 07:20 PM – **Opening Ceremony** (Main Auditorium CAD1)
- 07:20 PM – 08:30 PM – **Opening Conference**  
Speaker: Mercedes Maria da Cunha Bustamante (UNB)  
Topic: *SYNERGIES BETWEEN CLIMATE ACTION AND NATURE CONSERVATION*
- 08:30 PM – 11:00 PM – **Welcome Reception** (Praça de Serviços)

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## Day 1 – Wednesday, November 5th, 2025

### **Morning: Session – Biosynthesis and Molecular Biology of NP**

- **08:30 AM – 09:30 AM – Plenary Lecture (S1) – Amy Fraley**  
Topic: *ACCESSING THERAPEUTIC NATURAL PRODUCTS VIA A BIO-BASED APPROACH*
- **09:30 AM – 10:05 AM – Invited Lecture – Taicia Fill**  
Topic: *DECIPHERING THE ROLE OF SECONDARY METABOLITES IN THE CHEMICAL INTERACTION BETWEEN PHYTOPATHOGENS AND THE CITRUS HOST*
- **10:05 AM – 10:40 AM – Invited Lecture – Roberto Berlinck**  
Topic: *BIOSYNTHESIS OF METABOLITES PRODUCED BY MARINE AND BY MARINE-DERIVED FUNGI*
- **10:40 AM – 11:00 AM – Coffee break and networking**
- **11:00 AM – Flash Poster Presentation**
- **11:45 AM – Business Conference (BUCHI)**
- **12:00 PM – 02:00 PM – Lunch break**

### **Afternoon: Session – Biodiversity & Natural Products**

- **02:00 PM – 03:00 PM – Plenary Lecture (S2) – Francisco Macias**  
Topic: *SILENT WARRIORS: NATURAL PRODUCTS ARE NO LONGER JUST PROMISING*
- **03:00 PM – 03:30 PM – Invited Lecture – Elisandra Scapin**  
Topic: *BIOPROSPECTING NATIVE PLANTS FROM THE LEGAL AMAZON: GREEN EXTRACTION METHODS AND BIOACTIVE POTENTIAL*



- **03:30 PM – 04:05 PM – Invited Lecture** – Luiz Henrique Rosa  
Topic: *EXTREMOPHILIC FUNGI: DIVERSITY AND BIOPROSPECTING OF BIOACTIVE METABOLITES*
- **04:05 PM – 04:30 PM – Coffee break and networking**
- **04:30 PM – 05:55 PM – Round Table – BIOMES AT RISK: THE IMPACT OF ENVIRONMENTAL POLICIES ON BRAZILIAN BIODIVERSITY**  
Participants:
  - Javier Echeverría – *Effect of fermentation on the chemical profile...*
  - Renata de Toledo Capellão – *Spatial intelligence for national-scale restoration...*
  - Raquel Melo Minardi – *Artificial intelligence and biomes...*
- **05:55 PM – 06:10 PM – Coffee break and networking**
- **06:15 PM – 08:00 PM – Poster Session 1 (ICB – Pilotis)**
- **08:00 PM – Free evening**

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## Day 2 – Thursday, November 6th, 2025

### **Morning: Session – Biological and Pharmacological Activity / Organic Synthesis**

- **08:30 AM – 09:20 AM – Palestra Plenária (S3)** – Milen Georgiev  
Topic: *ANTI-OBESITY AND LONGEVITY PROMOTION PROPERTIES OF DIETARY PLANTS AND HERBS*
- **09:21 AM – 09:53 AM – Invited Lecture** – Suzana Guimarães Leitão  
Topic: *BIOPROSPECTING BRAZILIAN BIODIVERSITY FOR ANTI-SARS-COV-2....*



- **09:54 AM – 10:40 AM – Invited Lecture** – Dr. Christian W. Gruber  
Topic: *DESIGN OF BIO-INSPIRED PEPTIDES FOR GPCR DRUG DISCOVERY*
- **10:40 AM – 11:00 AM – Coffee break and networking**

**11:00 AM – 11:33 AM – Invited Lecture (S7)** – Andrew Laurence  
Topic: *SYNTHETIC STRATEGIES AND CONCEPTS INSPIRED BY NATURAL PRODUCTS*

- **11:35 AM – 12:05 PM – Conference** – Jean-Luc Wolfender e Norberto Peporine Lopes  
Topic: *REVOLUTIONIZING DATA SHARING ADVANCES NP RESEARCH*

**12:05 PM – 02:00 PM – Lunch break**

#### **Afternoon: Session – Manufacturing and Quality Control / Metabolomics and RESEM**

- **02:00 PM – 03:00 PM – Plenary Lecture (S4)** – Miriam Andres Apel  
Topic: *QUALITY CONTROL OF PLANT MATERIALS*
- **03:00 PM – 03:30 PM – Invited Lecture** – Pablo Luis Baia Figueiredo  
Topic: *IN VITRO AND IN VIVO PHARMACOLOGICAL ACTIVITIES OF ESSENTIAL OILS FROM AMAZONIAN SPECIES*
- **03:30 PM – 04:00 PM – Invited Lecture** – Lorena Ramos Freitas de Sousa  
Topic: *DEVELOPMENT OF A SKINCARE FORMULATION FROM A MALPIGHIACEAE PLANT WITH ANTI-AGING PROPERTIES*
- **04:00 PM – 04:30 PM – Coffee break and networking**
- **04:30 PM – 05:10 PM – Plenary Lecture (S5)** – Denise Medeiros Selegato  
Topic: *WOMEN'S HEALTH UNVEILED: EXPLORING THE HIDDEN LINKS BETWEEN THE MICROBIOME, METABOLOME, AND KEY INFLUENCERS*



- **05:10 PM – 05:40 PM – Invited Lecture** – Daniela Trivela  
Topic: *DRUG DISCOVERY AT CNPEM: NEW TOOLS AND OPPORTUNITIES FOR THE NATURAL PRODUCT COMMUNITY*
- **05:40 PM – 06:10 PM – Invited Lecture** – Gerardo Magela Vieira Júnior  
Topic: *TOAD POISON: A RETROSPECTIVE OF FOURTEEN YEARS OF RESEARCH...*
- **06:15 PM – 08:00 PM – Poster Session 2** (ICB – Pilotis)
- **08:00 PM – 11:00 PM – BCNP Party** (by invitation/admission)
- **11:00 PM** – End of activities

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## Day 3 – Friday, November 7th, 2025

### **Morning: Session – Isolation, Structure Elucidation & Chemical Ecology**

- **08:30 AM – 09:30 AM – Plenary Lecture (S6)** – Jean-Luc Wolfender  
Topic: *FROM BIOACTIVE NATURAL PRODUCTS TO MEGABYTES: HARNESSING AI'S POTENTIAL AND METABOLOMICS FOR THE DIGITAL TRANSFORMATION OF PHARMACOGNOSY*
- **09:30 AM – 10:05 AM – Invited Lecture** – Christiano Funari  
Topic: *TOWARDS A GREENER NATURAL PRODUCTS CHEMISTRY*
- **10:05 AM – 10:40 AM – Invited Lecture** – Marcos Machado  
Topic: *UNCOVERING BIOACTIVE AGENTS FROM AMAZONIAN MYRTACEAE WITH ANTIDIABETIC AND ANTIVIRAL ACTIONS: A 15-YEAR RESEARCH OVERVIEW*



- **10:40 AM – 11:00 AM – Coffee break and networking**
- **11:00 AM – 11:30 AM – Invited Lecture (S8) – Stefan Shulz**  
Topic: *ANIMAL NATURAL PRODUCTS: IDENTIFICATION AND/BY SYNTHESIS OF NOVEL STRUCTURES FROM SPRINGTAILS AND FROGS*
- **11:30 AM – 12:00 PM – Invited Lecture – Maria Carolina Blassioli Moraes**  
Topic: *FROM SILENCE TO SOLUTIONS: THE HIDDEN LANGUAGE OF PLANTS AND INSECTS IN PEST MANAGEMENT*
- **12:00 PM – 01:50 PM – Lunch break**

#### Afternoon: Presentations and Closing

- **01:55 PM – 02:20 PM – Business Conference (DSBio Main Auditorium – CAD1 / ACS Auditorium 1A – CAD1)**
- **02:30 PM – 03:30 PM – Flash Poster Presentation**
- **03:30 PM – 04:00 PM – Coffee break and networking**
- **04:00 PM – 05:30 PM – Closing Ceremony**  
Includes: Acknowledgments, accountability reports, Poster and FPP Prizes, Gottlieb Prize, Announcement of 11th BCNP / XXXVII RESEM 2027
- **05:30 PM – 06:30 PM – Closing Coffee-break**

#### Flash Poster Presentation

Below, you will find the schedule for the oral presentations:



NOVEMBER – 05	
11:00 AM - 11:08 AM	ANALYSIS OF THE CHEMICAL, ANTIOXIDANT AND ANTI-INFLAMMATORY PROPERTIES OF <i>Swinglea glutinosa</i> (Bl.) Merr. <b>Speaker:</b> Christian Fernando Lizalda Aponte Universidad Tecnológica de Pereira, Pereira, Colombia
11:09 AM - 11:18 AM	CABREUVANOLS A-C, THREE NEW CASSANE-DERIVED DITERPENES FROM <i>Myrocarpus frondosus</i> AND THEIR ANTI-INFLAMMATORY EFFECTS <b>Speaker:</b> Ana Caroline da Silva – UFSC - Brazil
11:19 AM - 11:27 AM	Antarctic Lichens as a Platform to Discover Bioactive Molecules with Neuroprotective and Anti-inflammatory Potential <b>Speaker:</b> Cristian Cordero - Pontificia Universidad Católica de Chile. Santiago, Chile
11:28 AM - 11:32 AM	SPATIAL METABOLOMICS REVEALS THE ROLE OF PENICILLIC ACID IN CHEESE RIND MICROBIOME DISRUPTION BY A SPOILAGE FUNGUS <b>Speaker:</b> Carlismari Grundmann - University of California Santa Cruz - USA.

NOVEMBER – 07	
02:30 PM - 02:38 PM	PHYTOCHEMISTRY OF <i>MOQUINIASTRUM SORDIDUM</i> : GNPS-GUIDED DEREPLICATION, TWO NEW METABOLITES, AND STEREOCHEMICAL ELUCIDATION USING IPAP/PIP-HSQMBC <b>Speaker:</b> Fracielli Alana Pereira - Universidade Estadual de Maringá – Parána - Brazil
02:39PM - 02:47 PM	QUALITY BY DESIGN APPLIED TO THE PRODUCTION OF THE HERBAL MEDICINE FROM <i>Monteverdia ilicifolia</i> (Mart. ex Reiss.) Biral <b>Speaker:</b> Alberto Araujo de Caux - CPQBA UNICAMP – São Paulo - Brazil
02:48 PM - 02:56 PM	MYRICITRIN ACYLATED DERIVATIVES: ENZYMATIC SYNTHESIS, ADMET PROPERTIES, AND DOCKING STUDIES <b>Speaker:</b> Natalie Ximenes – UFRJ – Rio de Janeiro - Brazil



02:57PM - 03:05 PM	CHEMICAL CHARACTERIZATION OF LYCHNOPHORA PIRANIANA: A NEW SPECIES NAMED IN HONOR OF PROFESSOR JOSÉ RUBENS PIRANI <b>Speaker:</b> Manuela Pezzato Toledo Prado – USP-RIBEIRÃO PRETO – São Paulo - BRAZIL
03:06 PM - 03:14 PM	New insights into cichorine biosynthesis in <i>Aspergillus nidulans</i> through bioinformatic and metabolomic analyses <b>Speaker:</b> Lucas Penha Dutra – UFMG – Minas Gerais - Brazil

### Poster Presentation

<https://10th.bcnp-sbq.com/program/poster-presentation-schedule/>

### Acknowledgments and Additional Information

The 10th Brazilian Conference on Natural Products (BCNP) and the XXXVI Annual Meeting on Micromolecular Ecology, Systematics, and Evolution (RESEM) extend their sincere thanks to all participants, speakers, collaborators, sponsors, and institutions that made this event possible.

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- ROYAL SOCIETY OF CHEMISTRY
- SHIMADZU DO BRASIL COMÉRCIO LTDA



## Useful Information for Participants

- **Event website:** <https://10th.bcnp-sbq.com/>
- **Contact email:** 10thbcnp@gmail.com
- **Event venue:** Universidade Federal de Minas Gerais, CAD1, Belo Horizonte, Brazil
- **Social media:** Follow our official pages for updates and event photos on Instagram 10thbcnp