

17TH

WORLD
CONGRESS



Polyphenols Applications

SEPT. 19-20 2024

MILAN

PROGRAM
2024

17th World Congress on Polyphenols Applications

September 19-20, 2024 – Università degli Studi di Milano Statale, Milan, Italy

Day 1 – September 19, 2024

8h00 **Welcoming of Attendees – Registration**

8h50 **Introduction of Polyphenols Applications 2024**

Jan Frederik Stevens, President of Polyphenols Applications, Oregon State University, USA

Sabrina Dallavalle, President of the Local Organizing Committee, University of Milan, Italy



9h00 **Why Demonstrating the Health Benefits of Polyphenols isn't Easy: Considerations on Experimental Design to Enhance the Impact of Future Polyphenols Research**

Daniele Del Rio, University of Parma, Italy

Session 1: Polyphenols in Health & Diseases: Mechanistic Insights & Perspectives

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: Jan Frederik Stevens, Cristian Del Bo'



9h30 **Polyphenols & Toxicity: All we need to know in 2024**

Doris Marko, University of Vienna, Austria



9h55 **Antiviral Activity of Polyphenols: Latest Developments**

Sascha Venturelli, University of Hohenheim, Germany

10h20 - Coffee Break, Poster Session & Networking



11h00 **Polyphenols and the Enteroendocrine System: Implications for Obesity**

Anna Ardévol, Universitat Rovira i Virgili, Spain



11h25 **Effects of Polyphenols on in Diabetes: A Mechanistic Insight**

Sonia Ramos Rivero, ICTAN-CSIC, Spain



11h50 **Interplay between Phenolic Compounds and Biological Rhythms**

Begoña Muguerza, Universitat Rovira i Virgili, Spain

12h15 **Short Oral Presentations (2 slots)**

12h35 - Lunch Break, Poster Session & Networking

Session 2: Polyphenols, Microbiota & Metabolites: Recent Advances & Translation

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: Juan Carols Espin, Michael Gänzle



14h00 **The Gut Microbiota as a Referee of Polyphenol Effects: Metabotypes and Precision Health**
Juan Carlos Espin, Spanish National Research Council, Spain



14h25 **Polyphenols, Satiety, and Gut Health: Bridging the Gut-Brain Connection**
Lianliang Liu, Ningbo University, China



14h50 **2-Ene Reductases of Lactobacilli, an Unexpected Diversity of Enzymes for Conversion of Phenolic Compounds**
Michael Gänzle, University of Alberta, Canada

15h15 - Coffee Break, Poster Session & Networking

Moderators: Daniela Martini, Andrea Pinto

16h00 **Short Oral Presentations & Pitch on Polyphenols Innovations (15 slots)**

Presentations Length: 8 minutes + 2 minutes for discussion

18h30 **End of Polyphenols Applications Day 1**

20h00 **Polyphenols Applications 2024 Dinner** *(for ticket holders only)*

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Day 2 – September 20, 2024

8h00 Welcoming of Attendees - Registration

Session 3: Polyphenols & Food Research: Recent Advances

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: Sabrina Dallavalle, Andreas Schieber



8h30 **Novel Development on the Potential Application of Pyranoanthocyanin as Colorants**
Monica Giusti, Ohio State University, USA



8h55 **Polyphenols and Food Processing: The Critical Points**
Jianbo Xiao, Vigo University, Spain



9h20 **Polyphenols & Fermented Food: The Optimization**
Pasquale Filannino, University of Bari, Italy

9h45 **Short Oral Presentations (3 slots)**

Presentations Length: 8 minutes + 2 minutes for discussion

10h15 - Coffee Break, Poster Session & Networking

Session 4: Polyphenols Applications 2024: Clinical Applications and Future Directions

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: Marvin Edeas, Alberto Davalos



11h00 **Polyphenols in Oncotherapy: Moving forward from the Bench to Clinical Applications**
José Estrela, University of Valencia, Spain



11h25 **Angiogenesis as a Target of Dietary (Poly)phenols and Derived Metabolites**
Juan A. Giménez-Bastida, CEBAS-CSIC, Spain



11h50 **Flavonoids & Critically ill Patients: From Experimental Study to Clinical Practice**
Wojciech Dabrowski, *Medical University of Lublin, Poland*

12h15 **Short Oral Presentations (2 slots)**

Presentations Length: 8 minutes + 2 minutes for discussion

12h30 - Lunch Break & Poster Session

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: José Estrela, Mario Ferruzzi



13h30 **Senolytic Drug and Polyphenol Combinations for Lung Disease**
Alessandra Gambero, *Pontifical Catholic University of Campinas, Brazil*



13h55 **Contribution of Polyphenols in the Modulation of Intestinal Permeability: Targeting Mechanisms and Clinical Trials**
Cristian Del Bo, *Università degli Studi di Milano, Italy*



14h20 **Xanthohumol in Treating Nephropathy and Autoimmune Kidney Diseases: Clinical Data**
Andrzej Jaroszyński, *Jan Kochanowski University, Poland*



14h45 **Cardiose®, A Natural Flavonoid with Potential Health Benefits**
Teresa Pellicer, *HealthTech Bioactives (HTBA), Spain*

15h10 - Coffee Break, Poster Session & Networking

Presentations length: 20 minutes + 5 minutes Q&A

Moderators: Elke Richling, Fabian Weber



15h40 **Food-Derived Extracellular Vesicles as Nanocarriers of Bioactive Compounds: Therapeutic Potential**
Alberto Davalos, *University of Madrid, Spain*



16h05 **Resveratrol/Omega-3 Fatty Acids Association: Innovative Nutraceuticals to Counteract Ocular Diseases**
Dominique Delmas, *University of Bourgogne, France*

16h30 **Short Oral Presentations & Pitch on Polyphenols Innovations (2 slots)**

Presentations Length: 8 minutes + 2 minutes for discussion

16h50 **Key Strategic Questions & What's Next?**

With the participation of all Speakers & Scientific Board

17h30 **Concluding Remarks & Awards**

17h45 **End of Polyphenols Applications 2024**