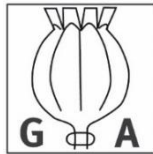


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## PHYTOCHEMICAL, PHARMACOLOGICAL AND CLINICAL EVIDENCE

Scientific eSymposium

Online | November 18<sup>th</sup> 2021, 09:00 – 16:15 h

Organized by

Herbal Medicinal Products Platform Austria (HMPPA)

Society for Medicinal Plant and Natural Product Research (GA)

### Scientific Committee

Hermann Stuppner (President, HMPPA)  
Brigitte Kopp (Vice-President, HMPPA)  
Chlodwig Franz (Vice-President, HMPPA)  
Rudolf Bauer (Vice-President, HMPPA)  
Judith Rollinger (President, GA)

### Organizing Committee

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## INVITATION

On behalf of the Herbal Medicinal Products Platform Austria (HMPPA) and the Society for Medicinal Plant and Natural Product Research (GA), the Organizing and Scientific Committees are pleased to invite you to join the scientific eSymposium "MILK THISTLE – PHYTOCHEMICAL, PHARMACOLOGICAL AND CLINICAL EVIDENCE" and register for **FREE!** This event will be held virtually. The eSymposium will provide new insights and most recent research data on *Silybum marianum* and its medicinal uses for human health.

**INVITED SPEAKERS** All presentations will be in English.

John **CLARKE**, PhD, Pharmaceutical Sciences, Washington State University, Spokane, USA  
Prof. Dr. Dr. hc mult Peter **FERENCI**, Medical University of Vienna, Vienna, Austria

Dr. Solveigh **KOEBERLE**, University of Innsbruck, Innsbruck, Austria

Prof. Dr. Vladimír **KŘEN**, FRSC, Czech Academy of Sciences, Prague, Czech Republic

DI Rudolf **MARCHART**, Waldland International GmbH, Friedersbach, Austria

Prof. Javier **MENENDEZ**, Catalan Institute of Oncology (ICO)-Girona Biomedical Research Institute (IDIBGI), Girona (Catalonia), Spain

Prof. Nicholas **OBERLIES**, The University of North Carolina at Greensboro, Greensboro, USA

Dr. Eva-Maria **PFERSCHY-WENZIG**, University of Graz, Graz, Austria

Valeria **ROMANUCCI**, PhD, University of Naples Federico II, Naples, Italy

Prof. Assoc. Doriana **TEDESCO**, PhD, University of Milan, Department of ESP, Milano, Italy

## REGISTRATION

**Registration is free** and open to all interested attendees. More information and registration link can be found at <https://www.hmppa.at/milk-thistle-esymposium/>. We look forward to seeing you at the sessions.

## CALL FOR PAPERS

Scientific contributions for short lectures (10 min + 2 min discussion) in the field of Milk thistle are very much welcome. Abstracts for oral presentations have to be submitted by e-mail to [office@hmppa.at](mailto:office@hmppa.at) until October 15<sup>th</sup>, 2021.

## SPONSORS

The members of the Organizing Committee gratefully acknowledge the support of this scientific eSymposium by the Society for Medicinal Plant and Natural Product Research (GA) as well as WALDLAND and Mylan Österreich GmbH (A Viatrix Company).

## ORGANIZATION AND CONTACT

This scientific eSymposium is organized by the Herbal Medicinal Products Platform Austria (HMPPA) in collaboration with the Society for Medicinal Plant and Natural Product Research (GA).

If you have any queries regarding this eSymposium please contact [office@hmppa.at](mailto:office@hmppa.at)

HMPPA: <http://www.hmppa.at/>

GA: <https://www.ga-online.org/>

## PRELIMINARY PROGRAM

09:00 – 09:05	<b>Welcome &amp; Introduction</b> Univ.-Prof. Dr. Hermann STUPPNER, HMPPA President <i>University of Innsbruck, Institute of Pharmacy, Pharmacognosy, Innsbruck, Austria</i>
09:05 – 09:10	<b>Welcome addresses</b> Univ.-Prof. Dr. Judith ROLLINGER, GA President <i>University of Vienna, Department of Pharmaceutical Sciences, Division of Pharmacognosy, Vienna, Austria</i>
	<b>Chair: Hermann STUPPNER, Judith ROLLINGER</b>
09:10 – 09:40	<b>Milk thistle – cultivation, breeding and primary processing in Austria</b>
09:40–09:45 Discussion	DI Rudolf MARCHART <i>WALDLAND Firmengruppe, Friedersbach, Austria</i>
09:45 – 10:15	<b>Molecular effects of silymarin flavonolignans: Chirality matters</b>
10:15–10:20 Discussion	Prof. Dr. Vladimír KŘEN, FRSC <i>Czech Academy of Sciences, Prague, Czech Republic</i>
10:20 – 10:40	<b>Coffee break</b>
	<b>Chair: Andreas KOEBERLE</b>
10:40 – 11:00	<b>Interaction of milk thistle flavonolignans with human fecal microbiota</b>
11:00–11:05 Discussion	Mag.pharm. Dr. Eva-Maria PFERSCHY-WENZIG <i>University of Graz, Institute of Pharmaceutical Sciences, Graz, Austria</i>
11:05 – 11:25	<b>Structural requirements of silibinin from <i>Silybum marianum</i> that favourably shift fatty acids from triglycerides towards phospholipids in liver</b>
11:25 – 11:30 Discussion	Dr. Dipl.-Pharm. Solveigh KOEBERLE <i>University of Innsbruck, Institute of Pharmacy/Pharmacognosy, Innsbruck, Austria</i>
11:30 – 11:50	<b>Silibinin stereochemistry: Why it matters in neurodegenerative diseases</b>
11:50–11:55 Discussion	Valeria ROMANUCCI, PhD <i>University of Naples Federico II, Dept. of Chemical Sciences, Napoli, Italy</i>
11:55 – 12:25	<b>Silibinin against lung cancer and COVID-19: A molecular journey from the laboratory to the clinic</b>
12:25–12:30 Discussion	Prof. Javier A. MENENDEZ, PhD <i>Catalan Institute of Oncology (ICO)-Girona, Girona (Catalonia), Spain</i>
12:30 – 14:00	<b>Lunch break</b>
	<b>Chair: Chlodwig FRANZ, Rudolf BAUER</b>
14:00 – 14:30	<b>Silymarin for treatment of liver diseases</b>
14:30–14:35 Discussion	Univ. Prof. Dr. Dr.h.c. Peter FERENCI <i>Medical University of Vienna, Vienna, Austria</i>
14:35 – 14:55	<b>State-of-the-Art on the use of <i>Silybum marianum</i> to improve animal health and welfare</b>
14:55–15:00 Discussion	Ass. Prof. Doriana TEDESCO, PhD <i>Università degli Studi di Milano, Dept. of ESP, Milan, Italy</i>
15:00 – 15:20	<b>Milk thistle - drug pharmacokinetic interactions in nonalcoholic steatohepatitis</b>
15:20 – 15:25 Discussion	Ass. Prof. John CLARKE, PhD <i>Washington State University, Dept. of Pharmaceutical Sciences, Spokane, USA</i>
15:25 – 15:55	<b>The chemistry of Milk thistle: Generating materials for pharmacological studies</b>
15:55 – 16:00 Discussion	Prof. Nicholas OBERLIES, PhD <i>The University of North Carolina at Greensboro, Dept. of Chemistry and Biochemistry, Greensboro NC, USA</i>
16:00 – 16:15	<b>Discussion, Summary &amp; Closing remarks</b> Univ.-Prof. Dr. Dr.h.c. Rudolf BAUER, HMPPA Vice-President <i>University of Graz, Institute of Pharmaceutical Sciences, Pharmacognosy, Graz, Austria</i>