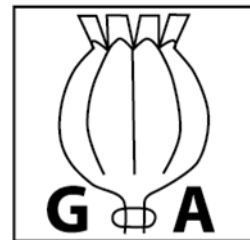


eSymposium

Society for Medicinal Plant and Natural Product Research



Novel insights into Pyrrolizidine Alkaloid Toxicity and Implications for Risk Assessment



29th – 30th of September 2020

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Welcome

Dear colleagues,

The COVID situation has clearly shown that novel models for meetings, discussions and dissemination of results are essential. Thus, the Society for Medicinal Plant and Natural Product Research (GA) decided to offer e-symposia on a regular base for a continuous exchange of information between researchers, industry and stakeholders, and in particular our members on exciting natural product topics.

It is our pleasure to invite you on behalf of the GA and the Workshop's Scientific Program Committee to the **1st GA e-Symposium** and at the same time the **2nd International Workshop on Pyrrolizidine Alkaloids: 'Novel insights into pyrrolizidine alkaloid toxicity and implications for risk assessment: Occurrence – genotoxicity – toxicokinetics – risk assessment'** to be held on September 29th and 30th 2020.

The speakers will give their presentations on-line and the participants will be able to follow the lectures and submit their comments and questions.

Abstracts will be provided for all presentations and speakers will be invited to contribute to a consensus paper to be published soon after the workshop.

Again, we were able to gather a faculty of distinguished international scientists renowned for their work on all scientific aspects of pyrrolizidine alkaloid toxicity and risk assessment. We trust that all participants will benefit from attending the workshop and look forward to your registration. Please find all program details and information on registration in the attached files – special benefits are available for GA-members.



Judith M. Rollinger
President of the Society for
Medical Plant and Natural Product Research



Dieter Schrenk
Co-chair of the 2nd International Workshop
on Pyrrolizidine Alkaloids

Tuesday, September 29th, 2020

13:15 – 13:20 Opening Address

Judith M. Rollinger, Vienna (A)

President of the Society for Medicinal Plant and Natural Product Research

13:20 – 13:30 Welcome and introduction

Jörg Fahrner and Dieter Schrenk, Kaiserslautern (D)

Session I

Chairs: Catherine Mahony, Egham (GB) and Michael Heinrich, London (GB)

13:30 – 14:00 PA levels in food: Current situation and perspectives

Patrick P.J. Mulder, Wageningen (NL)

14:00 – 14:30 Metabolism and kinetics as key determinants in PA toxicity

Ivonne Rietjens, Wageningen (NL)

14:30 – 15:00 Identification and quantification of PA metabolites: consequences for risk assessment

Anja These, Berlin (D)

15:00 – 15:30 Application of cutting edge research tools to PA risk assessment

Catherine Mahony, Egham (GB)

15:30 – 16:00 Coffee break

Session II

Chair: Anna-Rita Bilia, Florence (I) and Ivonne Rietjens, Wageningen (NL)

16:00 – 16:30 Experiences with the Code of Practice designed for PA management

Barbara Steinhoff, Bonn (D)

16:30 – 17:00 Regulatory perspectives of PA contamination in herbal medicinal products

Jacqueline Wiesner, Bonn (D)

17:00 – 17:30 Risk assessment of PA occurrence in phytomedicine: A European perspective

Heidi Foth, Halle (D)

Wednesday, September 30th, 2020

Session III

Chairs: Olaf Kelber, Darmstadt (D) and Stefan Gafner, Austin (USA)

13:30 - 14:00 Pyrrolizidine alkaloid secondary pyrrolic metabolites construct multiple activation pathways leading to DNA adduct formation and potential liver tumor initiation

Peter Fu, Jefferson (AR, USA)

14:00 – 14:30 Dose-response of alkylation-induced genotoxicity – implications for PA

Jörg Fahrner, Kaiserslautern (D)

14:30 – 15:00 Mechanism and potential toxic impact of pyrrolizidine alkaloid N-oxides

Ge Lin, Hongkong (HK)

15:00 – 15:30 New aspects impacting genotoxic potency of PA's and PA N-oxides

Stefan Pfuhler, Cincinnati (OH, USA)

15:30 – 16:00 Coffee Break

Session IV

Chairs: Tankred Wegener, Weinheim (D) and Robert Fürst, Frankfurt (D)

16:00 – 16:30 Bioassay-directed analysis approach for the identification of relevant pyrrolizidine alkaloids

Ad Peijnenburg, Wageningen (NL)

16:30 – 17:00 Health risks of 1,2-unsaturated PAs in foods

Benjamin Sachse, Berlin (D)

17:00 – 17:30 Developments in mixture risk assessment in Europe

Jacob van Klaveren, Utrecht (NL)

17:30 – 18:00 The bad ones and the not so bad ones? How to assess the carcinogenic risk from PA exposure?

Dieter Schrenk, Kaiserslautern (D)

18:00 – 18:15 Summary and Farewell



Organization

Society for Medicinal Plant and Natural Product Research



Gesellschaft für Arzneipflanzen- und Naturstoff-Forschung e.V.

c/o Kooperation Phytopharmaka
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53173 Bonn
Email: event@ga-online.org

Prof. Dr. Dieter Schrenk, Prof. Dr. Jörg Fahrner
Food Chemistry and Toxicology, University of
Kaiserslautern
Gottlieb-Daimler-Straße
67663 Kaiserslautern

Online-Registration



Please register online using the QR-Code or the following website address
www.conference-service.com/PA-2020

Fees

	Non GA members	GA members
Regular attendees	€ 60	€ 30
Students	€ 20	€ 10
Companies	€ 150	€ 90 For GA and KOOP members

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