

GA – 69th Annual Meeting 2021, Bonn, Germany
Virtual conference, 5 – 8 Sept. 2021

Program – Overview

(for details see next pages)

Times correspond to CEST. Please, check your local time!



M. Danemann
City of Bonn

Time CEST	Date
	Sunday, 5th September
11:00 to 16:45	Pre-Symposium Young Researchers Workshop Impulse lecture and selected short lectures
11:00 to 16:15	Pre-Symposium Workshop: Animal Healthcare and Veterinary Phytotherapy – Science and Practice Invited lectures
	Monday, 6th September
09:00 to 16:45 17:30	Main conference Opening, awards, key note lectures, selected short lectures Including two hour break with options to visit exhibition, to look at posters, to chat GA Members assembly (invitation by GA)
	Tuesday, 7th September
09:00 to 16:45	Main conference Key note lectures, selected short lectures Including two hour break with options to visit exhibition, to look at posters, to chat
	Wednesday, 8th September
09:00 to 16:45	Main conference Key note lectures, selected short lectures, awards and closing Including two hour break with options to visit exhibition, to look at posters, to chat

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 Pre-symposium – Sunday, 5th September



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YRW – Young Researchers Workshop

Time CEST	Sunday - 5th September	Room 1
	Chairs: Anastasia Karioti and Robert Fürst Co-Chairs: Alessandra Braca and Jürg Gertsch	
11:00	Welcome note	
11:05	Impulse Lecture Matthias Erb (Switzerland, University of Bern, Institute of Plant Sciences) Title: How specialized metabolites mediate interactions between plants and other organisms	
11:45	YRW 1: Dominik Popowski (Poland, Warsaw) - Silver birch (<i>Betula pendula</i> Roth) – phytochemical characterization of the constituents and their metabolites present in the urine	
12:00	YRW 2: Leonie Zurfluh (Switzerland, Zurich) - <i>Bryophyllum pinnatum</i> compounds inhibit oxytocin-induced signalling pathways in human myometrial cells	
12:15	YRW 3: Lukas Pfeifer (Germany, Kiel) - Human galectins and plant galactans: a perfect couple with regard to tumor therapy?	
12:30	YRW 4: Evgenia Anna Papadopoulou (Greece, Athens) - Mining the effects of a <i>Bacillus</i> sp. olive tree endophyte-derived lipopeptide extract on the metabolism of <i>Colletotrichum acutatum</i> applying GC/MS and ¹ H NMR metabolomics	
12:45		Break
13:15	YRW 5: Tanja Hell (Switzerland, Basel) - High content screening pipeline for natural products targeting aberrant signaling in melanoma	
13:30	YRW 6: Dóra Stefkó (Hungary, Szeged) - Biologically active phenanthrenes from four <i>Juncus</i> species native to Hungary	
13:45	YRW 7: Laura Peeters (Belgium, Antwerp) - Quest for new lead compounds against malaria based on natural prodrugs present in <i>Nauclea pobeguini</i> and their metabolites	
14:00	YRW 8: Pia Raab (Austria, Graz) - Evaluation of endophytes on <i>Albizia julibrissin</i> from wild collection	
14:15		Biobreak
14:30	YRW 9: Prawej Ansari (Bangladesh, Dhaka) - Antidiabetic and insulinotropic prop. of bark of <i>Heritiera fomes</i> inhibits starch digestion, protein glycation, DPP-IV activity, and glucose absorption in gut	
14:45	YRW 10: Elkin L. Escobar Chaves (Columbia, Medellin) - Development of a phytotherapeutic prototype based on triterpenes encapsulated in nanocarriers for the treatment of obesity and T2DM	
15:00	YRW 11: Sandhya Radha Krishnan (Switzerland, Bern) - Phyloactivity-based screening of coumarin-containing plants against <i>Trypanosoma cruzi</i> and target identification	
15:15	YRW 12: Godwin Agbadua Orinambe (Hungary, Szeged) - Insights into biomimetic oxidized resveratrol metabolite mixtures	
15:30	YRW 13: Eleni V. Mikropoulou (Athens, Greece) - Analytical determination of Chios mastic gum triterpenoids in human plasma and fecal samples by UPLCESI-TripleTOF-HRMS	
15:45		Break (internal jury discussion)

16:15	Awards, wrap-up/discussion
16:45	End of YRW

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 Pre-symposium – Sunday, 5th September
**Workshop: Animal Healthcare and Veterinary
 Phytotherapy – Science and Practice**



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Time CEST	Sunday - 5th September	Room 2
	Chairs: Marta Mendel and Michael Walkenhorst	
11:00	Welcome note	
11:15	Session: Bilding the bridge between self-medication and practically applied veterinary phytotherapy Session chair: Marta Mendel VEW 1: Michael Huffman (Japan) - Animal origins of ethnomedicinal plants: folklore revisited from an animal self-medical perspective VEW 2: Barbara Fougère (Australia) – Phytotherapy in dental disease of companion animals	
12:30	Break (including posters and exhibition)	
13:00	Session: An ethnoveterinary overview meets recent clinical data from poultry Session chair: Michael Walkenhorst VEW 3; Maria Groot (The Netherlands) and Rawiy Alasbahi (Yemen) – Ethnoveterinary uses of some Yemeni plants: a review of the scientific evidence VEW 4: Wen Chin Yang (Taiwan) – Herbal remedies for coccidiosis in poultry	
14:15	Break (including posters and exhibition)	
14:45	Session: New insights in natural products pharmacy for animal health and recent clinical data from pigs Session chair: Lyndy McGaw VEW 5: Kobus Eloff (South Africa) – Obliquumol, a novel compound with patented activity against <i>Candida albicans</i> could also have useful applications in animal health. VEW 6: Susana Dieguez (Argentina) – Dietary natural extracts in intensive pig farming: a rational alternative to irrational use of antibiotics	
16:00	End	

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 Program – Monday, 6th September



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Time CEST	Monday - 6th September	
09:00 Room 1	Opening GA president Judith Rollinger Egon Stahl Award in Silver Bionorica Phytoneering Award Dr. Willmar Schwabe Scholarship Planta medica Best Paper Award Handover of a special issue of Planta medica to Arnold Vlietinck	
10:30	Biobreak	
10:45 Room 1	Key Note Lecture One Health, access and benefit sharing Session chairs: Gabriele König and Bernd Roether KN 1: Carmenza Spadafora (Panama, INDICASAT) and Michael Heinrich (United Kingdom, UCL School of Pharmacy, London) Title: Access and benefit sharing under the Nagoya Protocol - Quo Vadis?	
11:15 Room 1	Key Note Lecture Recent advances in medicinal plant and natural product research Session chairs: Gabriele König and Bernd Roether KN 2: Maximilian Weigend (Germany, University of Bonn, Nees Institute, Botanical Gardens) Title: Challenges and opportunities in sourcing for plant secondary metabolite research in the 21st century	
11:45	Break	
12:00	Including	
12:30	Exhibition	
13:00	Poster	
13:30	chat	
14:00 Room 1	Key Note Lecture Analytics, recent methodology and applications Session chairs: Gudrun Ulrich-Merzenich KN 3: Krystyna Skalicka-Woźniak (Poland, University of Lublin) Title: Isolation of CNS active natural products – challenges and opportunities	
14:30 Room 1 + Room 2	Short lectures, parallel Room 1 Session chairs: Gudrun Ulrich-Merzenich 4. Analytics, recent methodology and applications SL 1: Eva-Maria Pferschy-Wenzig (Austria, Graz) An UHPLC-HRMS-based metabolite profiling approach to detect potentially anti-	Room 2 Session chairs: Michael Walkenhorst and Attila Hunyadi 2. Animal healthcare and veterinary phytotherapy: science and practice SL 3: Marvin Heuduck (Germany, Göttingen) Selfmedicative behavior and tanniferous fodder plants: alteration in taste Perception

	<p>inflammatory active compounds in Chinese <i>Lonicera</i> species</p> <p>SL 2: Arianna Marengo (Italy, Turin)</p> <p>Derivatization-targeted analysis of amino compounds from <i>Cardueae</i> species by liquid chromatography tandem mass spectrometry</p>	<p>and feed preferences of GIN-infected boer goats</p> <p>SL 4: Dhiraj Lakhichand Jain (Czech Rep., Prague)</p> <p>In vitro antibacterial activity of plant extracts and phytochemicals in comparison with antibiotic growth promoters against intestinal pathogens of farm animals</p>
15:00 Room 1	<p>Key Note Lecture Animal healthcare</p> <p>Session chairs: Michael Walkenhorst and Attila Hunyadi</p> <p>KN 4: Frederick Provenza (USA, Dept. Wildland Resources, Utah State University)</p> <p>Title: After 10,000 years of domestication, can livestock still self-medicate?</p>	
15:30	Biobreak	
15:45 Room 1 + Room 2	<p>Short lectures, parallel Room 1</p> <p>Session chairs: Oliver Kayser and Emerson Ferreira Queiroz</p> <p>3. Antiinfectives and epidemiology</p> <p>SL 5: Fotoon Redwan (Great Britain, London)</p> <p><i>Symplocos fasciculata</i> as a source of antimicrobial compounds</p> <p>SL 6: Herbert Riepl (Germany, Straubing)</p> <p>Increasing hydrophobicity of cyanobacterial puwainaphycins leads to lipopeptide variants with much improved therapeutic index</p>	<p>Room 2</p> <p>Session chairs: Cica Vissionnon and Jacqueline Wiesner</p> <p>9. Recent Advances in medicinal plant and natural product research</p> <p>SL 7: Andreas Koeberle (Austria, Innsbruck)</p> <p>Switching from inflammation to resolution: what can we learn from medicinal plants?</p> <p>SL 8: Luisa D. Burgers (Germany, Frankfurt)</p> <p>Vioprolide A exerts anti-inflammatory actions in endothelial cells through inhibiting NOP14 and downregulating KPNA2</p>
16:15 Room 1 + Room 2	<p>Short lectures, parallel</p> <p>Session chairs: Oliver Kayser and Emerson Ferreira Queiroz</p> <p>4. Analytics, recent methodology and applications</p> <p>SL 9: Khaled Nematallah (Egypt, Cairo)</p> <p>Recent advances of cheminformatics software in phytochemical and biological study of <i>Eucalyptus globulus</i> L. cultivated in Egypt</p> <p>SL 10: Banz Jalil (Great Britain, London)</p> <p>Simultaneous identification of common synthetic adulterants in slimming aids and sexual enhancers herbal supplements by High-performance Thin Layer Chromatography</p>	<p>Session chairs: Cica Vissionnon and Jacqueline Wiesner</p> <p>9. Recent Advances in medicinal plant and natural product research</p> <p>SL 11: Maria Eleni Sakavitsi (Greece, Athens)</p> <p>Metabolic fate of the secoiridoids oleacein and oleocanthal in an in vitro continuous dialysis system with human gut microbiota</p> <p>SL 12: Amandine Nachtergaele (Belgium, Mons)</p> <p>Effects of natural compounds on the accuracy of 8-oxo-7,8-dihydro-2'-deoxyguanosine translesion synthesis</p>
16:45		
17:30	GA Members assembly	

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 Program – Tuesday, 7th September

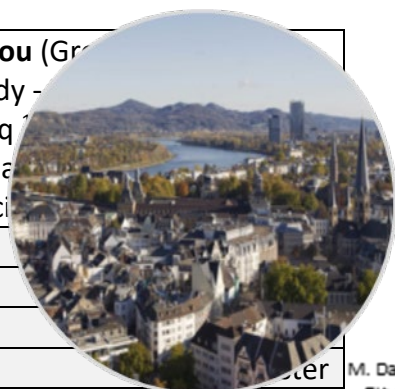


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Time CEST	Tuesday - 7th September	
09:00 Room 1	Key Note Lecture Analytics, recent methodology and applications Session chairs: Rudi Bauer and Michael Heinrich KN 5: De-an Guo (China, Shanghai Institute of Materia Medica, Chinese Academy of Sciences) Title: Strategies to analyze herbal drugs and elaborate quality monographs.	
09:30 Room 2	Key Note Lecture One Health, access and benefit sharing Session chairs: Rudi Bauer and Michael Heinrich KN 6: Katharina Staerk (Switzerland, Federal Food Safety and Veterinary Office) Title: Opportunities and challenges of the One Health approach.	
10:00 Room 1 + Room 2	Room 1 Session chairs: Rudi Bauer and Michael Heinrich 1. One Health, access and benefit sharing SL 13: Maria Groot (The Netherlands, Utrecht) Natural products in changing agricultural policies: knowledge sharing and implementation SL 14: Deborah Spiess (Switzerland, Zurich) Use of herbal preparations for the treatment of mild mental disorders and/or symptoms during pregnancy: a cross-sectional survey	Room 2 Session chairs: Alessandra Braca and Anna Rita Bilia 9. Recent Advances in medicinal plant and natural product research SL 15: Theodora Nikou (Greece, Athens) New human urine biomarkers associated with hydroxytyrosol consumption and olive-based products SL 16: Pia Raab (Austria, Graz) <i>Albizia julibrissin</i> DURAZZ. from wild collection – a multivariate data analysis approach
10:30	Biobreak	
10:45 Room 1	Key Note Lecture Translational natural product pharmacology Session chairs: Alessandra Braca and Anna Rita Bilia KN 7: Elke Heiss (Austria, University of Vienna, Department of Pharmaceutical Sciences) Title: Natural products at the interface of cellular metabolism and stress response.	
11:15 Room 1 + Room 2	Room 1 Session chairs: Marta Mendel and Michael Walkenhorst 2. Animal healthcare and veterinary phytotherapy: science and practice SL 17: Theresa Schlittenlacher (Germany, Frankfurt) Ethnoveterinary use of medicinal plants in the treatment of equids – a survey in Bavaria	Room 2 Session chairs: Alessandra Braca and Anna Rita Bilia 9. Recent Advances in medicinal plant and natural product research SL 18: Luke Invernizzi (South Africa, Pretoria) In vitro screening of South African medicinal plants in the pursuit of anti-viral agents against SARS-CoV-2

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 Program – Wednesday, 8th September

SL 19: Ioanna Chinou (Greece)
 Phytochemical study –
 and application of q...
 determination of pa...
 three Paeonia speci...



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11:45		
12:00	African	
12:30	Network	
13:00	Session	
13:30	Room 2	eter chat
14:00	Key Note Lecture Regulation of herbal and traditional medicines Room 1 Session chairs: Jacqueline Wiesner and Bernd Roether KN 8: Zhang Qi (Switzerland, WHO) Title: WHO-strategy on Traditional and Complementary Medicine and recent developments.	
14:30		
15:00	Key Note Lecture Regulation of herbal and traditional medicines Room 1 Session chairs: Jacqueline Wiesner and Bernd Roether KN 9: Ana Cecilia Carvalho (Brazil, ANVISA) Title: Medicinal plants and medicinal products and their regulation in Brazil	
15:30		Biobreak
15:45	Key Note Lecture Antiinfectives and epidemiology Room 1 Session chairs: Andreana Assimopoulou and Stefan Gafner KN 10: Nadja Cech (USA, UNC Greensboro, Dept. Of Chemistry and Biochemistry) and Stephen J. Polyak (USA, University of Washington, Seattle, Virology Division) Title: Evaluation of the potential of botanicals and their constituents against the SARS-CoV-2 virus	
16:15	Short lectures, parallel Room 1 Session chairs: Andreana Assimopoulou and Stefan Gafner 7. Regulation of herbal and traditional medicines 8. Medicinal plants and natural product research on traditional medicines SL 20: Simon Jackson (Ireland, Cork) Innovative approaches to African traditional medicine in analysis of purity, quality and potency of new phytopharmaceutical extracts SL 21: Silvia di Giacomo (Italy, Rome) Safety and efficacy of herbal supplements used for weight loss	Room 2 Session chairs: Jacqueline Wiesner and Hermann Stuppner 9. Recent Advances in medicinal plant and natural product research SL 22: Simone Moser (Germany, Munich) Phyllobilins – ubiquitous natural products with pharmacologically relevant activities SL 23: Evangelos Axiotis (Greece, Athens) Artificial intelligence in the deployment of complex tasks in pharmacology. A case of “Big Data” challenges in ethnopharmacology
16:45		

Time CEST	Wednesday - 8th September	
09:00 Room 1	Key Note Lecture Medicinal plants and natural product research on traditional medicines Session chairs: Krystyna Skalicka-Woźniak and Hermann Stuppner KN 11: Cica Vissiennon (Germany, University of Leipzig) Title: <i>Commiphora myrrha</i>: Novel aspects on medicinal use, pharmacology and sustainable cultivation of an ancient medicinal plant.	
09:30 Room 1	Key Note Lecture Medicinal plants and natural product research on traditional medicines Session chairs: Krystyna Skalicka-Woźniak and Hermann Stuppner KN 12: Helen Sheridan (Ireland, School of Pharmacy and Pharmaceutical Sciences, Trinity College Dublin) Title: Unlocking Nature's Pharmacy - from plant to product: An academic odyssey	
10:00 Room 1 + Room 2	Room 1 Short lectures, parallel Session chairs: Krystyna Skalicka-Woźniak and Hermann Stuppner 4. Analytics, recent methodology and applications SL 24: Marinella De Leo (Italy, Pisa) Sweet cherry (<i>Prunus avium</i> L.): valorization of six Italian ancient varieties and recovery of industrial waste by natural deep eutectic solvents SL 25: Corinna Urmann (Germany, Straubing) The story of xanthohumol C – a promising neuro-regenerative chalcone from hop	Room 2 Session chairs: Cica Vissiennon and Oliver Kayser 9. Recent Advances in medicinal plant and natural product research SL 26: Patricia Rijo (Portugal, Lisbon) Abietane diterpenoids from <i>Plectranthus</i> spp. as a starting tool in cancer research SL 27: Murat Erdogan (Turkey, Istanbul) Isolation of cytotoxic compounds from the underground parts of <i>Valeriana sisymbriifolia</i> Vahl. through activity-guided fractionation
10:30	Biobreak	
10:45 Room 1	Key Note Lecture Translational natural product pharmacology Session chairs: Cica Vissiennon and Michael Heinrich KN 13: Alice Nabatanzi (Uganda, Department of Plant Sciences, Microbiology and Biotechnology, College of natural Sciences, Makerere University) Title: The future of Africa's natural products in drug discovery and development: trends and challenges.	
11:15 Room 1 + Room 2	Room 1 Short lectures, parallel Session chairs: Cica Vissiennon and Michael Heinrich 1. One Health, access and benefit sharing and 9. Recent advances in medicinal plants SL 28: Constance Mitchell (USA, Washington) The Botanical Safety Consortium: a public-private partnership to enhance the botanical safety toolkit SL 29: Adriano Rutz (Switzerland, Geneva) The LOTUS initiative for knowledge sharing in Natural Products research	Room 2 Session chairs: Rudi Bauer and Robert Fürst 9. Recent Advances in medicinal plant and natural product research SL 30: Rainer Stange (Germany, Berlin) RCT with a phytodrug combination of nasturtium herb and horseradish root for uncomplicated acute rhinosinusitis SL 31: Olaf Kelber (Germany, Darmstadt) Gut microbiota and phytochemical constituents of natural products - pharmacological and metabolomic approaches

11:45			Break
12:00			including
12:30			exhibition
13:00			poster
13:30			chat
14:00	Discussion forum		
Room 1	Best practice in medicinal plant extract characterisation Michael Heinrich and Banaz Jalil (United Kingdom, UCL School of Pharmacy, London)		
14:30			
15:00	Short lectures, parallel	Room 1	Room 2
Room 1 + Room 2	Session chairs: Gudrun Ulrich-Merzenich and Attila Hunyadi 5. Translational pharmacology SL 32: Chandra Prakash Prasad (India, New Delhi) Quercetin obstructs triple negative breast cancer (TNBC) progression by targeting HuR		Session chairs: Gabi König and Emerson Ferreira Queiroz 8. Medicinal plants and natural product research on traditional medicines SL 33: Julia Zwirchmayr (Austria, Vienna) Biochemometry as a tool to unravel the anti-inflammatory activity of the Ayurvedic remedy red sandalwood SL 34: Godwin Anywar (Uganda, Kampala) Antiviral activity of Ugandan medicinal plants used by herbalists against human immunodeficiency virus type-1 (HIV-1)
15:30			Biobreak
15:45	Key Note Lecture Endophytes and microbes		
Room 1	Session chairs: Judith Rollinger and Werner Knöss KN 14: Rudi Bauer (Austria, University of Graz) Title: Are gut microbiota the real target of many herbal medicinal products?		
16:15	Awards and Closing		
Room 1			
16:45			