



11th Wädenswil Day of Life Sciences

hosts

Hydroxyanthracene Derivatives Symposium

Analysis, Safety, Quality & Efficacy
in Herbal Medicinal Products

Supported by PSE and SMGP
With special follow-up event

April 11th, 2019

GA 203, Campus Grüental,
ZHAW Wädenswil, Switzerland

www.zhaw.ch/icbt/day-of-lifesciences

Introduction

This year's Day of Life Sciences of the Institute of Chemistry and Biotechnology, which is organised by the Phytopharmacy and Natural Product Group and supported by the Phytochemical Society Europe (PSE) and the Swiss Medical Society for Phytotherapy (SMGP), is dedicated to the Hydroxyanthracene Derivatives – a topic specially selected on the occasion of the 70th birthday of Prof. Beat Meier for honouring his outstanding scientific achievements in phytochemical analysis for the European Pharmacopoeia and the Swiss Pharmacopoeia as well as for various industrial applications.

Hydroxyanthracene derivatives are a pharmacologically interesting class of chemical substances naturally occurring in different botanical species. Compounds of this class act as prodrugs being converted into active metabolites in the gastrointestinal tract, where they exert a motility promoting effect. Several of the plants containing hydroxyanthracene derivatives are the source of recognised herbal drugs such as senna, rhubarb, cascara, aloe and frangula, all of them well known for their long tradition in different medical systems in the treatment of bowel function irregularities. In this function hydroxyanthracene derivatives continue to lend themselves to an important therapeutic option for responding to one of the major health problems linked with modern lifestyle.

The Hydroxyanthracene Derivatives Symposium will feature cutting-edge contributions about analysis, quality, safety and efficacy of this interesting phytochemical substance class. In addition to this, the meeting will provide a platform for dialogue and scientific knowledge transfer for participants from industry, regulatory bodies, academia or education and has the intention to support the future work on monographs for the concerned herbal drugs.

Scientific Lead

Dr. Evelyn Wolfram

Head Phytopharmacy and Natural Products Group

Institute of Chemistry and Biotechnology

Zurich University of Applied Sciences,

School of Life Sciences and Facility Management, Wädenswil

Scientific Committee

Prof. Dr. Christian Hinderling, Dr. Andreas Lardos,

Prof. Dr. Beat Meier, Samuel Peter, Prof. Dr. Satyajit D. Sarker,

Dr. Herbert Schwabl, Dr. Evelyn Wolfram,

Program – Thursday, April 11th

09.00	Registration and Coffee
09.30	Welcome to the ZHAW Prof. Dr. Christian Hinderling, Dr. Evelyn Wolfram, Zurich University of Applied Sciences (CH)
09.40	Key note lecture 1 – Quality, Safety, Efficacy of Herbal Medicinal Products – Harmonization of the Assessment of Hydroxyanthracene Derivatives Containing Herbal Drugs Prof. Dr. Werner Knoess Federal Institute for Drugs and Medical Devices (BfArM) (D)
10.00	Key note lecture 2 – The Pharmacopoeia - a key element for the quality of herbal medicinal products Dr. Tobias Gosdschan, Swissmedic (CH)
10.20	A new assay and test for Rhei Radix Ph.Eur. based on HPLC analysis Prof. Dr. Rudolf Bauer, University of Graz (A)
10.50	Hydroxyanthracene glycosides in cascara dry extract: from spectrophotometric to HPLC assay Prof. Dr. Salvador Cañigüeral, University of Barcelona (ES)
11.20	Discussion
11.30	Coffee break with Poster exhibition
12.00	The selective detection and quantification of four sennosides and two hydroxyanthracene glycoside monomers in Senna fructus and Senna folium Dr. Alexander Schenk, Max Zeller Söhne AG (CH)
12.30	Photostability of sennosides and aglycones in solution and investigation on their degradation products Nadja Meier, Zurich University of Applied Sciences (CH)
13.00	Discussion
13.15	Networking lunch with Poster exhibition

Program – Thursday, April 11th

14.30	HPTLC of hydroxyanthracene containing herbal drugs and open questions for the revision of the Ph. Eur. and Ph. Helv. monographs Prof. Dr. Beat Meier Swiss Medical Society of Phytotherapy (CH)
15.00	The therapeutic use of hydroxyanthracene containing herbal drugs in the European and Tibetan context Dr. Herbert Schwabl, Padma AG (CH)
15.30	Is there a risk in using hydroxyanthracene aglycones in herbal medicinal products? Prof. emer. Dr. Johannes Westendorf, Formerly Univ. Hamburg (D)
16.00	Discussion
16.15	Coffee break with Poster exhibition
16.45	Round table: The future of Ph.Eur and HMPC monographs of hydroxyanthracene containing herbal drugs (Sennae folium/fructus, Aloe, Frangulae cortex, Rhamni purshiani cortex) All speakers
17.15	Closing remarks and Poster award Speaker t.b.a.
17.30	Surprise
18.00	Apéro riche and visit to the TCM Garden of the Zurich University of Applied Sciences
Chair	Dr. Evelyn Wolfram, Zurich University of Applied Sciences (CH)

General Information

Fee

Participants CHF 150.-

Registration

Online registration: www.zhaw.ch/icbt/day-of-lifesciences

E-Mail: weiterbildung.lsfm@zhaw.ch

The registration deadline is **March 29th**, 2019

Call for posters

The Day of Life Sciences conference committee is pleased to announce a call for posters. Abstracts for poster presentations linked with the topic of hydroxyanthracene derivatives should be submitted online until **March 29th**, 2019.

Email: weiterbildung.lsfm@zhaw.ch

Poster format: DIN A0 colour print in portrait orientation

Special follow-up event on April 12th afternoon

Padma AG cordially invites all participants to the opening of the exhibition «50 years of Tibetan herbal formulas in Switzerland». Free admission, registration required, transport to venue self-organised.

Venue: Padma AG, Haldenstrasse 30, 8620 Wetzikon

Interested participants will receive a special invitation indicating the details. Please tick the appropriate box during online registration or send an email to: weiterbildung.lsfm@zhaw.ch

Contact:

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Partner



Location

ZHAW Zurich University of Applied Sciences

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