Monday, June 25, 2018

8:15h Registration, mounting of posters and exhibition
(Seminarhotel Bocken)

9:00h Plenary session (Forum 1&2)
Chair – Prof. Valery Makarov, Dr. Evelyn Wolfram

Opening of the Conference
Prof. Valery Makarov (Chief Organizer) and Dr. Evelyn Wolfram
(Local Host)

Welcome notes by
Theo Leuthold, President of Gemeinde Horgen
Prof. Dr. Urs Hilber, Director ZHAW School of Life Sciences and Facility Management, Wädenswil
Prof. Igor Narkevich, Rector of Saint-Petersburg State Chemical Pharmaceutical University
Dr. Herbert Schwabl, Federation of Complementary Medicine (DAKOMED) and Association of
pharmaceuticals in complementary medicine (SVKH)

Prof. Anna-Rita Bilia, President of GA, University of Florence, Italy:
"The European market of botanical-sourced health products: an intricate jungle among herbal medicinal products, food
supplements and medical devices. Who is the good, the bad and the ugly?"

Prof. Satyajit Sarker, representative of PSE, Liverpool John Moores University, UK:
"Phytochemical research: from traditional to computational phytochemistry"

Prof. Alexander Shikov, Saint-Petersburg Institute of Pharmacy, Russia:
"Health effects and nutritional use of medicinal plants referred in Russian Pharmacopoeia"

Plenary session (Forum 1&2)
Chairman – Prof. Anna-Rita Bilia

Prof. Rudolf Bauer, University of Graz, Austria: "The gut microbiome as a target for herbal medicinal products"

Prof. Robert Verpoorte, University of Leiden, Netherlands: "Synergy: easy to say, difficult to prove"

Prof. Theo Dingermann, Goethe-Universität Frankfurt am Main, Germany: "Incentivizing a systematic assessment of quality equivalence of natural medicinal – the mission of natural health science foundation"

Plenary session and presentation of sponsors (Forum 1&2)
Chairman – Prof. Michael Heinrich

Prof. Hanns Häberlein, Bonn University, Germany: "Membrane-bound receptors: Changes in plasma membrane lipid composition affect membrane fluidity and receptor status".

Prof. Wilfried Dimpfel, Justus-Liebig-University Gissen, c/o NeroCode AG, Wetzlar, Germany: "Clinical efficacy of a salvia extract (Menosan®) in women suffering from menopause distress"

Prof. Alexander Panossian, EuroPharma USA Inc., Green Bay, Wisconsin, USA; Phytomed AB, Vaxtorp, Sweden: "Evolution of adaptogenic concept: new evidences on potential use of adaptogens in stress-induced and aging related disorders"

Prof. Mohamed Khayyal, Cairo University, Egypt: "The therapeutic value of STW 5 in DSS colitis involves its effect on gut microbiota"

Ms. Natalia Kolesnikova, MosFarma (Moscow Pharmaceutical Factory Closed Joint-Stock Company), Moscow, Russia: "Herbal medicinal products in gastroenterology"
Session 1 "Regulation of herbal medicinal products and food supplements in the European Union, Switzerland, and Russia, " (Forum 1).
Chairman – Prof. Werner Knoess
Prof. Werner Knoess, Federal Institute for Drugs and Medical Devices, Bonn, Germany: "Challenges in regulation of herbal and traditional medicines – globalization, innovation, new methodology"
Dr. Martin Ziaj, Swissmedic, Switzerland: "Regulation of herbal and complementary medicine in Switzerland"
Prof. Konstantin Eller, Federal Research Centre of Nutrition and Biotechnology, Moscow, Russia: "The regulation of food dietary supplements and functional food in Russia"
Dr. Barbara Steinhoff, BAH, Bonn, Germany: "Current quality requirements for herbal medicinal products with a specific focus on contaminants"
Dr. Caroline Howard, British Pharmacopoeia-National Institute for Biological Standards and Control (BP-NIBSC), Potters Bar, United Kingdom: "Improving the quality of herbal medicines: a three-tier approach"

Session 2 "Advances in drug discovery and clinical studies in phytotherapy and natural products based drugs" (Forum 2)
Chairman – Prof. Günter Vollmer
PD Dr. rer. nat. Gudrun Ulrich-Merzenich, Bonn University, Germany: "New developments in synergy research"
Prof. Veronika Butterweck, School of Life Sciences, FHNW, Institute for Pharma Technology, Muttenz, Switzerland: "Flavonoids – properties beyond their proposed bioactivities"
Prof. Petr Shabanov, Institute of Experimental Medicine NWB RAMS, Saint-Petersburg, Russia: "Interactions between orexin A and extrahypothalamic CRF peptide systems in a rat PTSD model"
Dr. Paula Simões-Wüst, University Hospital, Zürich, Switzerland. "Evidence-based phytotherapeutic options in women’s care: contributions from the University Hospital of Zurich"
Dr. Simon Nicolussi, Zeller medical AG, Romanshorn, Switzerland: "Effect of CIMicifuga racemosa on metaBOLIC parameters in women with menopausal symptoms – a retrospective cohort study (CIMBOLIC)"

Session 3 "Young scientist session 1" (Forum 3)
Chairman – Dr. Kenny Kuchta
Ms. Malena Rabenau, University of Marburg, Germany: "Effects of Cimicifuga racemosa extract Ze 450 on mitochondrial resilience in neurons and liver cells"
Ms. Mariavittoria Verrillo, Università di Napoli Federico II, Italy: "New potential nutraceutical application of humic substances extracted from green compost made of agricultural residues"
Ms. Stefanie Santos, University of Basel, Switzerland: "A bufadienolide-enriched fraction of Bryophyllum pinnatum effectively inhibits myometrium contractility in vitro"
Ms. Stephanie Guetchueng, Liverpool John Moores University, United Kingdom: "New alkaloids and other constituents from the fruits of Zanthoxylum zanthoxyloides and evaluation of their cytotoxicity"
Ms. Joëlle Houriet, School of Pharmacy, University of Geneva, Switzerland: "Investigation of the absorption and metabolism of Pueraria lobata extract constituents with a porcine small intestine ex vivo model"
Mr. Zuhal Guven, Hacettepe University, Ankara, Turkey: "Phenolic compounds from kernels of Prunus mahaleb L."

Bus transfer from Seminarhotel Bocken to ZHAW Wädenswil
Monday, June 25, 2018 (contd.)

18.30-21.00 - Welcome Reception at the Zürich University of Applied Sciences, (ZHAW) at the TCM Garden at Campus Grüental ZHAW, Wädenswil

Welcome and moderation by Dr. Evelyn Wolfram, Head of Phytopharmacy & Natural Products RG

Welcome notes by
Mr. Philipp Kutter, Stadtpräsident, Wädenswil
Prof. Dr. Urs Hilber, Director ZHAW School of Life Sciences and Facility Management
Prof. Dr. Christian Hinderling, Head of ZHAW Institute of Chemistry and Biotechnology (ICBT)
Prof. Dr. Beat Meier, SMGP and former head of Phytopharmacy Research Group

Short Key Note: Prof. Dr. Claudia Witt, University Hospital Zürich: “Complementary and Integrative Medicine – Phytotherapy as part of a complex intervention”

Food and Drinks – supported by Bayer Consumer Health (Steigerwald Arzneimittelwerk GmbH)

Tuesday, June 26, 2018

8:15h Plenary session (Forum 1&2)
Chairman – Prof. Rudolf Bauer

Prof. Michael Heinrich, University of London, UK: “Hypericum perforatum – What are the challenges for securing high quality products?”
Prof. De-an Guo, Shanghai Institute of Materia Medica, China: “Quality control of entire supply and production chain of Chinese Herbal Medicines”
Dr. Meinolf Wonnemann, Bionorica SE, Neumarkt, Germany: “Pharmacokinetics in phytopharmaceuticals – challenges, opportunities and approaches”
Dr. Vladimir Luzhanin, Saint-Petersburg State Chemical and Pharmaceutical University, Russia: “The search for biologically active complexes and individual compounds of plant origin”

Session 4 "Quality assurance and control of natural products" (Forum 1)
Chairman – Prof. Satyajit Sarker

Prof. Adrian Slater, De Montfort University, Leicester, UK: “DNA authentication of St John’s wort (Hypericum perforatum L.) commercial products targeting the ITS region”
Dr. Bettina Nägele, Max Zeller Söhne AG, Romanshorn, Switzerland: “Validation of analytical methods for quality assurance in phytopharmacy – HPTLC technique as an example”
Dr. Eicke Reich, HPTLC Association, Rheinfelden, Switzerland: “HPTLC – a highly standardized tool for quality control in phytopharmacy”
Dr. Abdelhameed Elameen, Norwegian Institute of Bioeconomy Research, Hoghskoleveien: “Genetic and chemical analyses of roseroot (Rhodiola rosea) in Norway”
Tuesday, June 26, 2018 (contd.)

Dr. Irina Urakova, St-Petersburg Institute of Pharmacy, Russia: "Proof of similarity of recombinant insulin analogs by interaction with different receptors using surface plasmon resonance method"

Dr. Vasily Vasilev, RUDN University, Moscow, Russia: "A new approach for determination of flavonoid content in herbal samples by 1H NMR spectroscopy"

Session 5 "Ethnopharmacology" (Forum 2)
Chairman – Prof. Robert Verpoorte

Prof. Evangeline Amor, University of Phillipines-Diliman, Quezon, Philippines: "Discovery and development of health products from Philippine plants"

Prof. Chhaya Gadgoli, Saraswathi Vidya Bhavans College of Pharmacy, India: "Crocetin from tubular calyx of Nyctanthes arbor-tristis as potential wound healing agent"

Dr. Emerson Queiroz, University of Geneva, Switzerland: "Lessons to learn from the Brazilian tropical forest for improving health: a natural product chemist perspective"

Dr. Zullies Ikawati, Gadjah Mada University, Yogyakarta, Indonesia: "Antitussive and expectorant activity of Indonesian herbal product consisting of Vitex trifolia leaf, Curcuma xanthorrhiza rhizome, Citrus sp fruit, Zingiber officinal rhizome, and Echinacea purpurea herb"

Dr. Wisdom Gwatidzo, Nature's Food Haven, Harare, Zimbabwe: "Parinari curatelifolia health beneficial fruit nectar project – exploring the impact of Access to Benefit Sharing (ABS) on the wellness of a village community – an ethno-socio-economic case study"

Poster session and Lunch Break
(authors should be present at their posters)

Session 6 "Medicinal plant products: challenges, safety and efficacy" (Forum 1)
Chairman – Prof. Alexander Panossian

Prof. Dietrich Ober, Botanisches Institut AG Biochemische Ökologie und Molekulare Evolution Christian-Albrechts-Universität zu Kiel, Germany: "Spatiotemporal aspects of pyrrolizidine alkaloid biosynthesis - Chances for a better understanding of PA-producing plants"

Prof. Herbert Riepl, Hochschule Weihenstephan-Triesdorf, Straubing, Germany: "Interaction of oligosaccharides and secondary metabolites in phytopharmaceuticals: Solubility enhancement of prenyllflavonoids"

Prof. Maria Povydysh, Saint-Petersburg State Chemical and Pharmaceutical University, Saint-Petersburg, Russia: "Scientific and technical program of the union state project "Metabolism"

Dr. Olaf Kelber, Steigerwald Arzneimittelwerke GmbH, Darmstadt, Germany: "Safety assessment of herbal products: Common pitfalls"

Dr. Andreas Schapowal, Allergy Clinic, Landquart, Switzerland: "Antiviral and immune-modulatory Echinacea for the prevention of respiratory tract infections (RTIs) and their complications: A Review"

Dr. rer. nat. Diana Wolf, Technische Universität Dresden, Germany: "AMAss – an efficient high-throughput screening platform to discover and characterize antimicrobial activities of natural products"
Tuesday, June 26, 2018 (contd.)

**Session 7** "Evidence-based phytopharmaceutical and Traditional Chinese & Tibetan Medicine" *(Forum 2)*

Chairman – Prof. De-an Guo

**Prof. Guenter Vollmer**, Dresden, Germany: "Natural compounds and hormone-dependent, experimental animal models for breast cancer research"

**Prof. Mingquan Guo**, Wuhan Botanical Garden, Chinese Academy of Sciences, China: "Screening for natural inhibitors of topoisomerase I from Traditional Chinese Medicines with bioaffinity ultrafiltration and LC-MS"

**Dr. Kenny Kuchta**, University Medical Center Göttingen, Germany: "On the neuroprotective effect of a proanthocyanidin enriched Ginkgo biloba L. leaves extract against oxygen-glucose-deprivation of cultured human neurons"

**Dr. Cécile Vennos**, Padma AG, Wetzikon, Switzerland: "A Tibetan multi-compound formula in diabetic complications - experimental data"

**Dr. Triana Hertiani**, Gadjah Mada University, Yogyakarta, Indonesia: "In vitro immunomodulatory and cytotoxic potentials of Faloak (Sterculia quadrifida) bark"

**Dr. Osman Tuncay Ağar**, Hasettepe University, Ankara, Turkey: "Matrix metalloproteinase inhibitor activity of Rosa damascena Mill. petal extracts"

**Session 8** "Young scientist session 2" *(Forum 3)*

Chairman – Dr. Gudrun Ulrich-Merzenich

**Dr. Marco Kreuzer**, University of Reading, UK: "Authentication of medicinal plants using DNA (meta-) barcoding - a workflow for routine QC"

**Mr. Samuel Hasler**, ETH Zurich, Switzerland: "Involvement of AMPK activation in the mechanisms of effect of Ze 450 and Ze 339"

**Ms. Elisa Landucci**, University of Florence, Italy: "Effects of Ginkgo biloba (GK501) and Panax ginseng C.A. Meyer (G115) extracts alone or in combination in organotypic hippocampal slice cultures and mixed cortical cells exposed to excitotoxic insults"

**Mr. Hu-Biao Chen**, School of Chinese Medicine, Hong Kong Baptist University, China: "Discovery of COX-2 selective inhibitors from the medicinal plant Saussurea laniceps using a novel functionalized magnetic nanoparticle-based assay"

**Mr. Jakob Reinhardt**, University of Basel, Switzerland: "Sesquiterpene lactones from Artemisia argyi - determination of absolute configurations and immunosuppressive activity"

**Ms. Marie Netopilova**, Czech University of Life science Prague, Czech Republic: "In vitro antimicrobial effect of carvacrol and thymol combination against Staphylococcus aureus using new broth volatilization chequerboard method"

**Ms. Yvonne Scherrer**, University of Basel, Switzerland: "Understanding local knowledge for traditional medicines research: a framework approach"

Closing Plenary Lecture *(Forum 1&2)*:

**Dr. Evelyn Wolfram** – ZHAW, Wädenswil: "Tools for Quality by Design of Herbal Ingredients and Herbal Products"

**Poster awards and Closing ceremony** *(Hall)*

**Prof. Dr. Alexander Shikov**, Institute of Pharmacy St. Petersburg

**Prof. Dr. Christian Hinderling**, Institute of Chemistry and Biotechnology, ZHAW

**Ca. 19:00h Congress Dinner in Landgasthaus Halbinsel AU**

**Bus transfer provided from Bocken**
Wednesday, June 27, 2018

EXCURSION "Max Zeller AG/Vitaplant or Bioforce AG"

- The buses of the excursion will depart at 7:30 am sharp in front of the Hotel Meierhof, Horgen...
- Expected return to Zurich HB: 18:00

The excursion has English speaking guide, and includes bus transfer, and lunch.

Please check with the reception desk in case you haven't signed up yet!