

## Detailed Symposium program

**Monday, August 17, 2009**

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**08.00 - 12.00**

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08.00 **Registration**

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Chair : Prof. K. Hostettmann and Prof. B. Kopp

09.00 **Opening Ceremony**

09.30 **HRH Princess Prof. Dr Chulabhorn Mahidol**  
*Chulabhorn Research Institute, Bangkok, Thailand*  
Recent investigation of diverse cytotoxic natural products from Thai bio-resources

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**10.15 – 10.45 Coffee break**

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10.45 **Gu Zeng Musical Performance**  
**By HRH Princess Prof. Dr Chulabhorn Mahidol**

Chair : Prof. B. Kopp

11.00 **Award Lectures**

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**12.30 – 14.30**

**Lunch**

**Workshop**

**Biological and Pharmacological Activity of Natural Products**

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**14.30 - 17.30**

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Chair : Prof. R. Bauer

14.30 **Prof. Mary Garson**  
*University of Queensland, Brisbane, Australia*  
New chemistry from South East Asian medicinal plants

15.15 **Prof. Olov Sterner**  
*Division of Organic Chemistry, Lund University, Sweden*  
Novel GABAA ligands, inspired by nature

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**15.45 – 16.15 Coffee break**

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Chair : Prof. L. Skaltsounis

16.15 **Prof. Monique Simmonds**  
*Royal Botanic Garden, Kew, Richmond, UK*  
Opportunities and challenges that face those interested projects that link natural product chemistry, plant uses and conservation

17.00 **Prof. Dayar Arbain**  
*Andalas University, Sumatra, Indonesia*  
Recent study on the chemistry of Sumatran medicinal plants

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**17.30 – 19.30 Poster session I**

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## Tuesday, August 18, 2009

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### Session 1 (CICG room 2)

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Chair : Prof. M. Gupta

- 08.30 **Oliver Planz**  
*Friedrich-Loeffler-Institute, Tübingen, Germany*  
Cystus052, a plant extract against seasonal and pandemic influenza virus
- 08.45 **Kirsten Gescher**  
*Institute of Pharmaceutical Biology and Phytochemistry, Münster, Germany*  
Potent antiviral effect of a polyphenol-enriched *Rumex acetosa* L. extract against herpes simplex virus type 1 via interaction with viral envelope proteins
- 09.00 **Thomas Efferth**  
*German Cancer Research Center, Heidelberg, Germany*  
Inhibition of P-glycoprotein at the blood brain barrier by phytochemicals derived from traditional Chinese medicine
- 09.15 **Abdessamad Debbab**  
*Heinrich-Heine University of Duesseldorf, Duesseldorf, Germany*  
Protein kinase inhibitors from the endophytic fungus *Stemphylium globuliferum*
- 09.30 **Solomon Habtemariam**  
*University of Greenwich, Greenwich, UK*  
Differential cytotoxic and prooxidant activity of knipholone and knipholone anthrone
- 09.45 **Anastasia Karioti**  
*University of Florence, Florence, Italy*  
Rapid and efficient purification of hypericin and pseudohypericin and inhibition of thioredoxin reductase

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**10.00 – 10.20 Coffee break**

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### Session 1 (CICG room 2)

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Chair : Dr. O. Potterat

- 10.20 **Alexander Panossian**  
*Swedish Herbal Institute Research and Development, Sweden*  
Molecular chaperons mediated pathways of stress protective and anti-aging effects of adaptogens
- 10.35 **Benny KH Tan**  
*National University of Singapore, Singapore*  
Evaluation of the antioxidant and anti-diabetic effects of Baicalin in Type 2 Diabetic Goto Kakizaki (GK) rats
- 10.50 **Mark O'Neil-Johnson**  
*Sequoia Sciences, Inc., St Louis, USA*  
Preferred, novel and neglected scaffolds natural products in a drug discovery program
- 11.05 **Cyril Portmann**  
*Federal Polytechnical School of Lausanne, Switzerland*  
New antiplasmodial natural products from cyanobacteria: linking their ecological role to their therapeutic potential
- 11.20 **Berhanu Abegaz**  
*Department of Chemistry, University of Botswana, Botswana*  
The characterization, total synthesis and antiprotozoal activities of novel bichalcones from *Rhus pyroides*
- 11.35 **Olga Duarte Silva**  
*Faculty of Pharmacy, University of Lisbon, Portugal*  
Mozambique Centre of Research and Development on Ethnobotany
- 11.50 **Arnold Vlietinck**  
*Association of African Medicinal Plant Standards, Belgium-Mauritius*  
The African Herbal Pharmacopeia – Challenge and potential

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**12.00 – 14.00 Lunch / 13.00-14.00 Poster session II part A**

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**Session 1** (CICG room 2)

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Chair : Prof. A. Vlietinck

- 14.00     **Phila Raharivelomanana**  
*University of French Polynesia, French Polynesia*  
Multi-disciplinary approach of Tahitian vanilla biodiversity assessment
- 14.15     **Yukihiro Goda**  
*National Institute of Health Sciences, Tokyo, Japan*  
Quality control of herbal medicines in Japan
- 14.30     **Jürg Gertsch**  
*University of Bern, ETH Zürich, Switzerland*  
Falcarinol (Panaxynol) is a CB1 cannabinoid receptor antagonist and induces pro-allergic effects in skin
- 14.45     **Andreas Hensel**  
*Institute of Pharmaceutical Biology, University of Münster, Germany*  
Antiadhesive natural products for a new cytoprotective strategy against the early stages of infection by pathogens
- 15.00     **Michael Heinrich**  
*School of Pharmacy, London, UK*  
Nasal formulations of a polyphenols-enriched extract of Herba Cisti
- 15.15     **K Husnu Can Baser**  
*Anadolu University, Turkey*  
Research into chemistry and biological activities of *Prangos* Lindl. (Apiaceae) species of Turkey
- 15.30     **Jerome Sarris**  
*University of Queensland, Brisbane, Australia*  
The Kava Anxiety Depression Spectrum Study (KADSS): a randomized, placebo-controlled, cross-over trial using an aqueous extract of *Piper methysticum*
- 15.45     **Janine Zaugg**  
*Institute of Pharmaceutical Biology, University of Basel, Switzerland*  
Identifying GABAA receptor ligands in black pepper by activity profiling, LC-TOFMS, and offline microprobe NMR
- 16.00     **Achanta VN Appa Rao**  
*University College of Pharmaceutical Sciences, Warangal, India*  
Chemical investigations of *Carallumas* of India
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**16.15 – 16.30 Coffee break**

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**Tuesday, August 18, 2009**

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**Session 2** (CICG room 3)

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Chair : Prof. A. R. Bilia

- 08.30     **Christian Huck**  
*University of Innsbruck, Austria*  
Non-invasive infrared spectroscopic techniques for the characterization of medicinal plants and their constituents
- 08.45     **Silvia Fialova**  
*Faculty of Pharmacy, Comenius University in Bratislava, Slovakia*  
Polyphenolic fingerprint of methanolic extracts of *Mentha* sp. cultivated in Slovakia
- 09.00     **Hans Wohlmuth**  
*Southern Cross University, Lismore, Australia*  
Authentication of skullcap (*Scutellaria lateriflora* L.) – A commonly adulterated medicinal plant
- 09.15     **Bilal Gürbüz**  
*Ankara University, Turkey*  
Effects of plant density on essential oil composition of sweet basil (*Ocimum basilicum* L.) cultivated in Turkey
- 09.30     **Ozan Fidan,**  
*Gazi University, Turkey*  
Computational evaluation of isoorientin (C-glycosyl flavone) on PPAR-gamma receptors and HMG-CoA reductase using MOE 2008.10
- 09.45     **Mitchell Low**  
*University of Western Sydney, Australia*  
Phytoequivalence in the global marketplace for botanical products (II): phytochemical composition and antioxidant capacity of standardized commercial *Andrographis paniculata* extracts
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**10.00 – 10.20 Coffee break**

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## Session 2 (CICG room 3)

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Chair : Prof. C. Salvador

- 10.20 **Georg Wikman**  
*Swedish Herbal Institute Research and Development, Sweden*  
Evidence based efficacy of adaptogens in fatigue
- 10.35 **Pongtip Sithisarn**  
*Thailand Institute of Scientific and Technological Research, Thailand*  
Anti-inflammatory and antioxidative effects of leaf extract from *Acanthopanax trifoliatum*
- 10.50 **Ali El Gamal**  
*King Saud University College of Pharmacy, Riyadh, KSA*  
Alpha mangostin, a major xanthone from *Garcinia mangostana* and other phenolic constituents, with potent antibacterial and analgesic activities
- 11.05 **Jin Sook Kim**  
*Korea Institute of Oriental Medicine, Daejeon, South Korea*  
POCU1b reverses diabetes induced in rats fed a high-fat diet
- 11.20 **Khaled Orabi**  
*Department of Pharmaceutical Chemistry, Safat, Kuwait*  
Cytotoxic phytochemicals
- 11.35 **Yanti**  
*Atma Jaya Catholic University, Jakarta, Indonesia*  
Macelignan suppresses *Porphyromonas gingivalis* supernatant-stimulated urokinase-type plasminogen activator expression via signal transduction in human KB oral cells
- 11.50 **Quinton Johnson**  
*University of the Western Cape, Belleville, South Africa*  
*Tulbaghia alliacea*: a potential anti-cancer phytotherapy
- 12.05 **Elsayed Omer**  
*National Center, Giza, Egypt*  
Medicinal and aromatic plants for drug industries in Egypt

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**12.20 – 14.00 Lunch / 13.00-14.00 Poster session II part A**

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## Session 2 (CICG room 3)

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Chair : Prof. P. Richomme

- 14.00 **Karine Ndjoko Ioset**  
*University of Geneva, Switzerland*  
Rapid screening and targeted isolation of antimalarial hits using  $\beta$ -hematin assay
- 14.15 **Sandy Van Vuuren**  
*University of the Witwatersrand, Parktown, South Africa*  
Antimicrobial interactions between medicinal plants in African traditional medicine
- 14.30 **Adeola Jegede**  
*National Institute for Pharmaceutical Research and Development, Abuja, Nigeria*  
Pharmacognostic standardization and monograph development of artemisinin from *Artemisia annua* grown in Nigeria: step towards local production of artemisinin based combination therapy drugs in Nigeria
- 14.45 **Pulok Mukherjee**  
*Jadavpur University, Kolkata, India*  
Integrated approaches for finding leads from Ayurveda – Way forward
- 15.00 **Vagner Rodrigues Santos**  
*Universidade Federal De Minas Gerais (UFMG), Brazil*  
Efficacy of Brazilian Propolis extract and gel for the management of denture stomatitis
- 15.15 **Halijah Ibrahim**  
*Institute of Biological Sciences, University of Malaya, Kuala Lumpur, Malaysia*  
Herbs for the treatment of diabetes and hypertension: remedies from traditional and ethnic formulations
- 15.30 **Catia Ramalhete**  
*Faculty of Pharmacy, University of Lisbon, Portugal*  
Efflux modulators from *Momordica balsamina* L. in multidrug resistant bacterial strains
- 15.45 **Ning-Sun Yang**  
*Academia Sinica, Taipei, Taiwan*  
Functional genomics of immuno-modulatory activities of medicinal plant extracts/phytochemicals in human dendritic cells/monocytes
- 16.00 **Sharmila Chattopadhyay**  
*Indian Institute of Chemical Biology, Kolkata, India*  
*Stevia rebaudiana*, a novel source of phytochemicals with anticancer potential

## Tuesday, August 18, 2009

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### Session 3 (CICG room 4)

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Chair : Prof. V. Butterweck

- 08.30 **Yi-Tsau Huang**  
*Institute of Traditional Medicine, Taiwan*  
*In vitro* and *in vivo* inhibitory effects of (S)-armepavine against hepatic fibrosis in rats
- 08.45 **Jose M. Prieto**  
*School of Pharmacy, University of London, UK*  
Metabolome and bioactivities: artificial neural networks for the prediction of the *in vitro* antioxidant and antimicrobial activities of essential oils
- 09.00 **Christiane Staiger**  
*Merck Selbstmedikation GmbH, Darmstadt, Germany*  
Comfrey root extract ointment in the treatment of acute upper or lower back pain: results of a double-blind, randomised, placebo-controlled, multicenter trial
- 09.15 **Alvin Ibarra**  
*Naturex, South Hackensack, USA*  
Active compounds from *Fraxinus excelsior* L. seeds: Anti-diabetic and body weight control
- 09.30 **Gesine Loehr**  
*Institute of Pharmaceutical Biology and Phytochemistry, Münster, Germany*  
Antiadhesive effects of natural extracts out of *Myrothamnus flabellifolia* Welw. and *Rumex acetosa* L. against *Porphyromonas gingivalis*
- 09.45 **Ali Sabra**  
*University of Manitoba, Winnipeg, Canada*  
Changes in caffeic acid derivatives, alkamides/polyacetylenes and phenylalanine ammonia-lyase (PAL) activity in three *Echinacea* species in response to salinity stress

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**10.00 – 10.20 Coffee break**

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## Session 3 (CICG room 4)

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Chair : Prof. A. Marston

- 10.20 **Gudrun Ulrich-Merzenich**  
*Medizinische Poliklinik der Universität Bonn, Germany*  
Gene expression profiling of blood cells from rats treated with different fractions of a standardized aqueous willow bark extract - evidence for immuno- and neuromodulatory activities
- 10.35 **Chun-Ying Xue**  
*Yunnan University, China*  
Allele-specific primers for diagnostic PCR authentication of *Halenia elliptica*, the traditional Tibetan medicinal plant
- 10.50 **Soojin Lee**  
*Amore Pacific Co. R&D Center, Republic of Korea*  
An ethanol extract from *Alstonia scholaris* is a potent irritation inhibitor in human skins
- 11.05 **Akbar Esmaeili**  
*Islamic Azad University, Teheran, Iran*  
Biotransformation of menthol by sporulated surface cultures of *Penicillium sp.* and study of the pathways involved
- 11.20 **Khalid Aftab**  
*Pashawar Medical College, Pakistan*  
Bioassay-directed isolation of hypotensive alkaloid from *Holarrhena pubescens*
- 11.35 **Hossein Hosseinzadeh**  
*Mashhad University of Medical Sciences, Iran*  
Saffron and its constituents: new pharmacological findings
- 11.50 **Elisabetta Lubian**  
*Givaudan Schweiz AG, Dübendorf, Switzerland*  
Discovery of impact taste molecules in natural products by an integrated analytical and chemosensory platform
- 12.05 **Atef G. Hanna**  
*National Research Centre, Dokki-Cairo, Egypt*  
Pharomycin; a novel glycyrrhetyl amino acid from *Dendronephthya hemprichi*

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**12.20 – 14.00 Lunch / 13.00-14.00 Poster session II part A**

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### Session 3 (CICG room 4)

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Chair : Prof. H. Stuppner

- 14.00 **Damien Jeannerat**  
*University of Geneva, Switzerland*  
Spectral aliasing in 2D-NMR. A straightforward method to considerably increase the resolution of signal clusters and facilitate identification of two cubebin epimers in *Drimys winteri*
- 14.15 **Sandra Apers**  
*University of Antwerp, Belgium*  
Rapid quantification of 14 saponins in *Maesa lanceolata* by UPLC-MS/MS
- 14.30 **Ifat Parveen**  
*Aberystwyth University, Gogerddan, Ceredigion, UK*  
Rapid identification of hydroxycinnamate esters in *Miscanthus giganteus* and *Miscanthus goliath* as substrates for polyphenol oxidase using ESI-LC-MS/MS
- 14.45 **Tomacz Mroczek**  
*Medicinal Plant Laboratory Unit, Lublin, Poland*  
Highly efficient, sensitive and selective molecular screening of acetylcholinesterase inhibitors of natural origin by SPE-LC/ESI-TOF-MS and novel TLC-based bioautography
- 15.00 **Michael Keusgen**  
*Philipps-Universität Marburg, Germany*  
A new pyridine-type cysteine sulphoxide identified in *Allium stipitatum*
- 15.15 **Maria Salome Gachet**  
*University of Graz, Austria*  
Jacaranone derived glucosidic esters from *Jacaranda glabra*
- 15.30 **Mohammad Kamil**  
*Zayed Complex For Herbal Research & Traditional Medicine, Abu Dhabi*  
Quality control and standardisation of phytomedicines from cultivation of medicinal plants to its clinical application
- 15.45 **Sulejman Redzic**  
*Academy of Sciences And Arts of Bosnia And Herzegovina*  
Models of organic certification in herbal sector of Western Balkan

- 16.00 **Nicole Armbruester**  
*Analyze & Realize AG, Berlin, Germany*  
More clinical studies with herbal medicines: A requirement for the future
- 16.15 **Sanja Mijatovic**  
*Institute for Biological Research "Sinisa Stankovic", Serbia*  
Dry olive leaf extract promotes avant-garde apoptosis in melanoma cells; switch from caspase-dependent to caspase-independent pathway

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**16.30 – 16.45 Coffee break**

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**16.45 – 18.45 Poster session II part B**

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**17.15 – 18.45 GA Member Meeting**

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## Wednesday, August 19, 2009

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### 08.30 - 12.00

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Chair : Dr. K. Ndjoko

- 08.30 **Prof. Deniz Tasdemir**  
*University of London, School of Pharmacy, UK*  
Natural products for the treatment of infectious neglected diseases
- 09.15 **Prof. Alex Matter**  
*Esperanza Medicines Foundation (EMF), Basel, Switzerland*  
Natural products for the treatment of HIV / AIDS
- 10.00 **Prof. Paul G. Grothaus**  
*National Cancer Institute-Natural Products Branch, Frederick, USA*  
Anti-cancer agents from plants, current and future prospects
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### 10.30 – 10.45 Coffee break

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Chair : Prof. K. Hostettmann

- 10.45 **Prof. Hongxiang Lou**  
*Shandong University, Jinan, China*  
Chemical constituents from Chinese liverworts and their biological significances
- 11.30 **Prof. Sami Khalid**  
*University of Science & Technology, Khartoum, Sudan*  
Phytomedicines safety and pharmacovigilance: some important considerations
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### 12.00 – 14.00

#### Lunch

#### Workshop

#### Breeding and Cultivation of Medicinal Plants

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### 14.00 - 18.30

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Chair : Dr Bruno David

- 14.00 **Prof. Elaine Perry**  
*University of Newcastle, UK*  
Phytopharmaceuticals for dementia therapy
- 14.45 **Dr Emmanuel Tamchès**  
*Debiopharm SA, Lausanne, Switzerland*  
Mimopezil, a Huperzine A derivative undergoing clinical development for the treatment of Alzheimer's disease
- 15.15 **Dr Christian Starkenmann**  
*Firmenich SA, Geneva, Switzerland*  
Screening botanicals for new tastes and flavor compounds
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### 16.00 – 16.15 Coffee break

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Chair : Prof. M. Hamburger

- 16.15 **Dr Bettina Böhlendorf**  
*DSM Nutritional Products Ltd., Basel, Switzerland*  
Nutraceutical Discovery - From plant extracts to functional food
- 16.45 **Prof. Jürgen Drewe**  
*University Hospital Basel, Basel, Switzerland*  
Title not communicated
- 17.30 **Closing Ceremony**

#### Best Poster Award

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### Congress Dinner

at the Mövenpick & Casino Hotel  
20 route de pré-bois  
1215 Genève 15

- 19.00 **Aperitif**  
20.00 **Dinner**
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