**HPTLC Asia 2018**

**November 27-30, 2018**

**Short-Course Program**

**Tue 27th, 2018**

**ROOM 1** **HERBAL STANDARDIZATION (SC-1, SC-2)**

9:00-12:00 **SC-1:** HPTLC METHOD DEVELOPMENT

 ***Saikat Mallick***

 *Chief Chemist, ANCHROM Lab, Mumbai, India*

13:00-16:00 **SC-2:** ANALYSIS OF BOTANICALS IN COMPLIANCE WITH USP AND PHEUR

 ***Eike Reich***

*Director, CAMAG Laboratory, Muttenz Switzerland; President, HPTLC ASSOCIATION, Rheinfelden, Switzerland*

**ROOM 2**  **QUANTITATIVE ANALYSIS OF HPTLC (SC-3, SC-4)**

9:00-12:00  **SC-3:** QUANTIFICATION AND VALIDATION IN HPTLC

***Pierre Bernard-Savary***

*Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France*

***Jean-Marc Roussel***

*Universities of Aix-Marseille and Bordeaux I, Analytical Methods Development and Validation Consulting, Co-Designer, NeoLiCy Software for Statistical Assessment of Analytical Method's Life Cycle, Mâcon, France*

13:00-16:00 **SC-4:** LIPID CHARACTERIZATION AND QUANTIFICATION

***Vicente L. Cebolla***

*Instituto de Carboquímica (ICB), Spanish National Research Council (CSIC), Zaragoza, Spain*

***Pierre Bernard-Savary***

*Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France*

**ROOM 3**  **HPTLC FOR RESEARCH (SC-5, SC-6)**

9:00-12:00 **SC-5:** HPTLC–DIRECT BIOAUTOGRAPHY

***Gertrud Morlock****,*

*Chair of Food Science, Justus Liebig University Giessen, Giessen, Germany*

13:00-16:00  **SC-6:** HPTLC – MS FOR CHARACTERIZATION OF COMPOUNDS

***Michaela Oberle***

*TLC Specialist and Project Leader R&D, Merck KGaA, Darmstadt, Germany*

***Ivan Ng***

*Manager, System Solutions Business Development, Southeast Asia, Waters Pacific Pte. Ltd., Singapore*

18:30-20:30  **Welcome Dinner**

**Tentative International Symposium Program**

**Wed 28th 2018**

8:00 Registration

9:00 Welcome

**SESSION 1:** **BOTANICALS AND TRADITIONAL MEDICINES**

9:30-10:15 Plenary Lecture (**PL-1**)

***Prof. Dr. De-an Guo****, Chair Professor of Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Director of National Engineering Laboratory for TCM Standardization Technology; Director of Shanghai Research Center for Modernization of Traditional Chinese Medicine, PR China*

10:15-10:45 Coffee break

10:45-12:15 **6 Oral Presentations (OP-1 – OP-6**)

* **OP-1:** COMPREHENSIVE HPLTC FINGERPRINTING OFFERS ALTERNATIVES TO THE MARKER APPROACH FOR QUALITY CONTROL OF HERBAL MATERIALS

***Eike Reich***

*Director, CAMAG Laboratory, Muttenz Switzerland; President, HPTLC Association, Rheinfelden, Switzerland*

* **OP-2:** HPTLC AUTHENTICATION OF MULTI-ORIGINATED CHINESE HERBAL MEDICINES

***Zhengtao Wang***

*Institute of Chinese Materia Medica, Key Laboratory of Standardization of Chinese Medicines of Ministry of Education; Shanghai University of Traditional Chinese Medicine, Shanghai, China*

* **OP-3:** DEVELOPMENT OF SIMPLIFIED HPTLC SOLVENT SYSTEMS FOR THAI MEDICINAL PLANTS

***Sornkanok Vimolmangkang***

*Head, Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand*

* **OP-4:** COMPARABILITY SPECTROSCOPIC AND CHROMATOGRAPHIC FINGERPRINT ANALYSIS OF *GELSEMIUM ELEGANS*

***Mun Fei Yam***

*School of Pharmaceutical Sciences, Universiti Sains Malaysia, 11800, Pulau Pinang, Malaysia*

* **OP-5:** HPTLC FINGERPRINT-BASED RAPID CHEMOTAXONOMIC DISCRIMINATION OF DIFFERENT *CLERODENDRUM* SPECIES USING CHEMOMETRIC DATA ANALYSIS

***Madhunita Srivastava***

*CSIR Central Institute of Medicinal and Aromatic Plants, Digras, India*

* **OP-6:**PHARMACOKINETIC EVALUATION OF A POLYHERBAL FORMULATION USING HPTLC TECHNIQUE

***Sunita Shailajan***

*Herbal Research Lab, Ramnarain Ruia College, Matunga (East), Mumbai, India*

12:15-13:30 Lunch

**SESSION 2:** **EFFECT-DIRECTED DETECTION**

13:30-14:15 **Plenary Lecture (PL-2)**

* **PL-2:** EFFECT-DIRECTED ANALYSIS OF FUNCTIONAL FOOD INGREDIENTS

 ***Prof. Dr. Gertrud Morlock***

 *Chair of Food Science, Justus Liebig University Giessen, Giessen, Germany*

14:15-15:15 **4 Oral Presentations** (**OP-7 – OP-10**)

* **OP-7:** TLC SCREENING AND EFFECT DIRECTED ANALYSIS OF CHOSEN PLANTS USED IN DEMENTIA TREATMENT

***Irena M. Choma***

*Faculty of Chemistry, Maria Curie-Sklodowska University, Lublin, Poland*

* **OP-8:** A NOVEL HPTLC-HYPHENATED BIOAUTOGRAPHIC METHOD FOR IDENTIFICATION OF CARBOHYDRATE DIGESTING ENZYME INHIBITORY METABOLITES

***Sayeed Ahmad***

*Bioactive Natural Product Laboratory, Faculty of Pharmacy, Jamia Hamdard, New Delhi, India*

* **OP-9:** NEUROPROTECTIVE POTENTIALS OF ESSENTIAL OILS

***Snezana Agatonovic-Kustrin****,*

*La Trobe Institute for Molecular Sciences, La Trobe University, Bendigo, Australia*

* **OP-10**: HPTLC-EDA-UV/VIS/FLD-HESI-HRMS FOR TRACKING OF BIOACTIVE METABOLITES IN *PRIMULA BOVEANA*”

***Ehab Mahran***

*Philipps University of Marburg, Marburg, and Justus Liebig University Giessen, Giessen, Germany*

15:15-15:30 Coffee break

15:30-16:00 **MANUFACTURER’S PRESENTATIONS** (**MP-1 – MP-2**)

* **MP-1**: TLC/ HPTLC PLATES - RECENT DEVELOPMENTS AND APPLICATIONS

***Monika Bäumle***

*Merck KGaA, Darmstadt, Sigma-Aldrich Chemie GmbH*

* **MP-2:** ARE THERE TRULY ESSENTIAL ROSE OILS IN COSMETICS AND FOOD?

***Pia Altenhofer***

*Biostep GmbH*, *Glockenstr., Chemnitz, Germany*

16:00-17:30 Poster Presentations (**PP-1 – PP-70**)

**Thu 29th 2018**

**SESSION 3:**  **PHARMACEUTICAL AND TOXICOLOGICAL ANALYSIS**

9:00-9:45 Plenary Lecture (**PL-3**)

 ***Prof. Dr. Navinchandra Sheth****, Department of Pharmaceutical Sciences,*

 *Saurashtra University, Rajkot, India*

9:45-10:45 **4 Oral Presentations** (**OP-11 – OP-14**)

* **OP-11:**EFFECT DIRECTED IDENTIFICATION OF ESTROGENIC SUBSTANCES IN FOOD CONTACT MATERIALS WITH HPTLC-BIOASSAYS AND HRMS

***Alan Berkmann***

*Ecotox Center Eawag-EPFL, Dübendorf, Canton of Zürich, Switzerland*

* **OP-12:**DEVELOPMENT AND VALIDATION OF HPTLC AND HPLC ASSAY METHODS FOR THERAPEUTIC DRUG MONITORING OF CAPECITABINE IN COLORECTAL CANCER PATIENTS

***Sonali Thorat***

*Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India*

* **OP-13:** WHY IS IT NECESSARY TO USE HPTLC IN API MANUFACTURING PROCESS?: A REVIEW OF CASE STUDIES ***Pierre Bernard-Savary,*** *Chairman of Chromacim and French Club for Thin-Layer Chromatography, Moirans, France*
* **OP-14:** HPTLC ASSAY METHODS VALIDATION: WILL ICH MEET FDA/EMA/ USP?

***Jean-Marc Roussel***

*Universities of Aix-Marseille and Bordeaux I, Analytical Methods Development and Validation Consulting, Co-Designer, NeoLiCy Software for Statistical Assessment of Analytical Method's Life Cycle, Mâcon, France*

10:45-11:00 Coffee break

**SESSION 4:** **FOOD, DIETARY SUPPLEMENTS, COSMETICS AND BIOSAMPLES**

**11:00-11:45**  **Plenary Lecture (PL-4)**

* **PL-4:** HPTLC OF LIPID-BASED MIXTURES IN DIFFERENT MATRICES: COMBINATION OF DENSITOMETRY AND MS FOR OBTAINING QUALITATIVE AND QUANTITATIVE SAMPLE INFORMATION

***Dr. Vicente L. Cebolla***

*Instituto de Carboquímica (ICB), Spanish National Research Council (CSIC), Zaragoza, Spain*

11:45-12:30 **3 Oral Presentations (OP-15 – OP-17)**

* **OP-15:** HPTLC-FLD-SERS DETERMINATION OF FOLIC ACID WITH OZONE-INDUCED FLUORESCENCE

***Yisheng Chen***

*The Key Laboratory of Food Science and Technology, School of Food Science and Technology, Collaborative Innovation Centre of Food Safety and Quality Control in Jiangsu Province, Jiangsu University, Wuxi, China*

* **OP-16:** HPTLC METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS EVALUATION OF PHENOLIC ACIDS AND FLAVONOIDS TO STUDY THE PROCESSING EFFECTS IN DIFFERENT MILLET GRAINS

***Giridhar Goudar***

*TATA-NIN Centre for Excellence in Nutrition, National Institute of Nutrition, Hyderabad, India*

* **OP-17:** IDENTIFICATION OF ACETYLCHOLINESTERASE INHIBITORS COMPOUNDS IN *ANNONA CHERIMOLA* MILL. BY HPTLC-BIOASSAY-MASS SPECTROMETRY

***Mario Aranda***

*Department of Food Science, Nutrition and Dietetic, Faculty of Pharmacy, University of Concepcion, Concepcion, Chili*

12:30-13:30 Lunch

**Session 5:**  **HPTLC –MS FOR COMPOUND CHARACTERIZATION**

13:30-14:15 Plenary Lecture (**PL-5**)

***Prof. Dr. Jentaie Shiea****, Department of Chemistry, National Sun Yat-Sen University, Kaohsiung, Taiwan*

14:15-15:15 4 Oral Presentations (**OP-18 – OP-21**)

* **OP-18:**

***Ajai Prakash Gupta***

*Indian Institute of Integrative Medicine, Jammu, India*

* **OP-19:** SIMPLE INTERFACE FOR SCANNING CHEMICAL COMPOUNDS ON DEVELOPED THIN LAYER CHROMATOGRAPHY PLATES USING ELECTROSPRAY IONIZATION MASS SPECTROMETRY

***Sychyi Cheng***

*Department of Chemistry, National Sun Yat-Sen University, Kaohsiung, Taiwan.*

* **OP-20:** TARGET BASED METHOD DEVELOPMENT USING EFFECT DIRECTED TLC - A STRAIGHT WAY FOR COMPOUND PURIFICATION

***Michaela Oberle***

*TLC Specialist and Project Leader R&D, Merck KGaA, Darmstadt, Germany*

* **OP-21:** HPTLC-MS IN API CLINICAL BATCHES MANUFACTURING

***Amélie Havard*** *(will be presented by* ***Pierre Bernard-Savary****)*

*Research Scientist, Oril Industrie, Servier, Bolbec, Le Havre Area, France*

15:15-15:30 Coffee break

15:30-16:00 Manufacturer’s Presentations (**MP-3**)

* **MP-3:** CAMAG and HPTLC Association

***Markus Wyss***

*CEO, CAMAG, Muttenz, Switzerland*

***Eike Reich***

*President, HPTLC Association, Rheinfelden, Switzerland*

**MP-4:** WATERS’ MS UNITS FOR HPTLC-MS APPLICATIONS

**Ivan Ng**

*Manager, System Solutions Business Development, Southeast Asia*

*Waters Pacific Pte. Ltd., Singapore*

16:00-17:30 Poster Presentations (**PP-1 – PP-70)**

**Fri 30th 2018**

**SESSION 6:**  **STRONG FEATURES OF HPTLC**

9:00-9:45 Plenary Lecture (**PL-6**)

**PL-6:** HPTLC – DO WE REALLY KNOW IT AND HOW TO MAKE IT MORE POPULAR

 ***Dr. Irena Vovk***

*Head, Department of Food Chemistry, National Institute of Chemistry, Ljubljana, Slovenia*

9:45-10:15 **2 Oral Presentations (OP-22 – OP-23** )

* **OP-22:** DEVELOPMENT OF A UNIVERSAL SET OF SYSTEM SUITABILITY TESTING (SST) STANDARDS FOR HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY

***Manjusha Phanse***

*Anchrom Enterprises (India) Pvt. Ltd., Mumbai, India*

* **OP-23:** CURRENT TRENDS IN APPLICATIONS OF TLC / HPTLC

***Teresa Kowalska***

*Institute of Chemistry, University of Silesia in Katowice, Poland (Editor-in-Chief of Acta Chromatographica, Akadémiai Kiadó)*

10:15-10:30 Coffee break

10:30-10:45 Highlights

10:45-11:15 Poster Presentation Awards and Closure

11:15- 20:00 Start Bangkok Tour (with lunch box in the coach) to Grand Palace, a cruise to Icon-Siam, and Gala Dinner along Chaopraya River