

Asian Federation of Pharmaceutical Sciences Conference 2015 (AFPS2015)

Program at a glance

Time	25 Nov (Wed)	26 Nov (Thu)			27 Nov (Fri)			
9.00 – 9.30		Plenary lecture II			Plenary lecture III			
9.30 – 10.00								
10.00 – 10.30	Registration	Symposium I	Symposium II	Symposium III	Symposium IV	Symposium V	Symposium VI	
10.30 – 11.00								
11.00 – 11.30								
11.30 – 12.00								
12.00 – 12.30			Lunch			Lunch		
12.30 – 13.00								
13.00 – 13.30			Poster presentation I			Poster presentation II		
13.30 – 14.00								
14.00 – 14.30	Opening ceremony	Oral present I	Oral present II	Indus Pharm Symp I	Nagai award lecture			
14.30 – 15.00								
15.00 – 15.30								
15.30 – 16.00	Plenary lecture I				Oral present III	Oral present IV	Indus Pharm Symp II	
16.00 – 16.30								
16.30 – 17.00	Exhibition				Closing ceremony			
17.00 – 17.30								
17.30 – 18.00		Exhibition						
18.00 – 21.00	Welcome reception (complimentary)	Gala dinner (Start at 19.00) (optional)						

Asian Federation of Pharmaceutical Sciences Conference 2015 (AFPS2015)

Conference program

Nov 25, 2015

10.00-14.00 Registration

Opening Ceremony (Plenary hall 1)

14.00-15.30 Opening ceremony by Prof. Piyasakon Sakonsatayatorn, Minister of Public Health

Plenary Session I (Plenary hall 1)

Chairman: Prof. Dr. Garnpimol C. Rittidej

15.30-16.30 Plenary lecture 1

“Pharmaceutical interfaces: drug development, performance, regulation and e-health”

Prof. Dr. Dianne Burgess

University of Connecticut, USA

16.30-18.00 Exhibition

18.00-21.00 Welcome reception

Nov 26, 2015

8.00-9.00 Registration

Plenary Session II (Plenary hall 1)

Chairman: Prof. Dr. Pornsak Sriamornsak

9.00-10.00 Plenary lecture 2

“Recent advances in particulate drug delivery systems: oral, pulmonary, and ophthalmic administrations”

Prof. Dr. Hirofumi Takeuchi

Gifu Pharmaceutical University, Japan

10.00-10.20 Refreshment break

Symposium I Formulation design and drug delivery I (Plenary hall 1)

Chairman: Prof. Dr. Qiang Zhang

10.20-10.50 Invited lecture 1 (IL-1)

“Linking the Lab to the Patient – Tools for optimizing oral drug delivery”

Prof. Dr. Jennifer Dressman

Goethe University Frankfurt am Main, Germany

10.50-11.20 Invited lecture 2 (IL-2)

“Potential of nano carriers as cancer cell-specific drug delivery systems in photodynamic therapy”

Prof. Dr. Chang-Koo Shim

Seoul National University, South Korea

11.20-11.50 Invited lecture 3 (IL-3)

“Comparison of solid dispersion and nanosuspension for improvement of drug absorption”

Prof. Dr. Zhonggui He

Shenyang Pharmaceutical University, P.R. China

Symposium II Pharmaceutical manufacturing technology and engineering (Plenary hall 2)

Chairman: Prof. Dr. Hirofumi Takeuchi

10.20-10.50 Invited lecture 4 (IL-4)

“Compaction of coated multiparticulates”

- Assoc. Prof. Dr. Paul W.S. Heng
National University of Singapore, Singapore
- 10.50-11.20 Invited lecture 5 (IL-5)
“Modern characterization techniques for pharmaceutical substances and products”
Prof. Dr. Mont Kumpugdee-Vollrath
Beuth Hochschule für Technik Berlin, Germany
- 11.20-11.50 Invited lecture 6 (IL-6)
“Nanotechnology: Effective topical delivery systems”
Assoc. Prof. Dr. Tasana Pitaksuteepong
Naresuan University, Thailand

Symposium III Regulatory science and policy (Room Tulip)

Chairman: Prof. Dr. Yong-Bok Lee

- 10.20-10.50 Invited lecture 7 (IL-7)
“Halal Pharmaceuticals and Cosmeceuticals from the Perspective of Higher Education”
Assoc. Prof. Dr. Eddy Yusuf
Management and Science University, Malaysia
- 10.50-11.20 Invited lecture 8 (IL-8)
“Drug regulatory convergence”
Prapatsorn Thanaphollert
Food and Drug Administration, Thailand
- 11.20-11.50 Invited lecture 9 (IL-9)
“Regulatory aspect related to clinical development update: 1st Dengue vaccine candidate”
Dr. Alain Bouckenooghe
Sanofi Pasteur, Singapore
- 12.00-13.00 Lunch
- 13.00-14.00 Poster presentation I (Room Lilavadee) and exhibition

Oral presentation I (Plenary hall 1)

Chairman: Prof. Dr. Mont Kumpugdee-Vollrath

- 14.00-14.15 Oral presentation (O-001)
“OCTN2-mediated active targeting L-carnitine modified PLGA based nanoparticles for enhanced oral paclitaxel delivery”
Prof. Jin Sun, China
- 14.15-14.30 Oral presentation (O-002)
“Rod shaped nanocrystals exhibit superior in vitro dissolution and in vivo bioavailability over spherical like nanocrystals: a case study of lovastatin”
Assist. Prof. Qiang Fu, China
- 14.30-14.45 Oral presentation (O-003)
“Preparation of highly dispersible C60 nanoparticles by sugammadex, an anionic beta-cyclodextrin derivative, under physiological conditions”
Assist. Prof. Daisuke Iohara, Japan
- 14.45-15.00 Oral presentation (O-004)
“Application of povacoat as dispersion stabilizer of nanocrystal formulation”
Assist. Prof. Kayo Yuminoki, Japan
- 15.00-15.15 Oral presentation (O-005)
“Development of self-micellizing solid dispersion system employing amphipathic copolymer for the improvement of dissolution and oral bioavailability of cyclosporine A”
Dr. Hideyuki Sato, Japan

Chairman: Dr. Joachim Storsberg

- 15.15-15.30 Oral presentation (O-006)

- “Design and development of optimal invasomes for transdermal drug delivery using computer program”
Dr. Sureewan Duangjit, Thailand
- 15.30-15.45 Oral presentation (O-007)
“In vitro and in vivo evaluation of azilsartan tablets”
Dr. Yinghua Sun, China
- 15.45-16.00 Oral presentation (O-008)
“General understanding on physical stability of pharmaceutical glasses”
Dr. Kohsaku Kawakami, Japan
- 16.00-16.15 Oral presentation (O-009)
“Preparation and optimization of tocotrienol rich fraction (TRF)-loaded niosomes”
Dr. Lay Hong Chuah, Malaysia
- 16.15-16.30 Oral presentation (O-010)
“Stabilization mechanism of nitrazepam supersaturated state in nitrazepam/Eudragit® E PO/saccharin solution revealed by NMR measurements”
Mr. Harunobu Kanaya, Japan

Chairman: Dr. Duangrat Shuwisitkul

- 16.30-16.45 Oral presentation (O-011)
“Morphological changes of doxorubicin-loaded liposomes observed by atomic force microscopy”
Mr. Naoki Takahashi, Japan
- 16.45-17.00 Oral presentation (O-012)
“Computational approach to the design of hyaluronic acid copolymer based doxorubicin micelles”
Ms. Yujiao Sun, China
- 17.00-17.15 Oral presentation (O-013)
“Layer-by-layer nanostructured protein loaded nanoparticles: A feasibility study using lysozyme as model protein and chitosan as coating material”
Assoc. Prof. Cai Cuifang, China
- 17.15-17.30 Oral presentation (O-040)
“Electrospun nanofibers to improve dissolution and gastric tolerance for ibuprofen”
Ms. Xin Che, China

(Note: Refreshment will be served in front of the lecture room.)

Oral presentation II (Plenary hall 2)

Chairman: Assoc. Prof. Tin Wui Wong

- 14.00-14.15 Oral presentation (O-014)
“Transforming berberine into its intestine absorbable form by gut microbiota”
Prof. Yan Wang, China
- 14.15-14.30 Oral presentation (O-015)
“Quantification of Atorvastatin in human plasma by Liquid Chromatography tandem mass spectrometry and its application for bioequivalence study of three formulations”
Prof. Yahdiana Harahap, Indonesia
- 14.30-14.45 Oral presentation (O-016)
“Effect of precipitation/re-dissolution processes from the supersaturated solution on the intestinal absorption of poorly water-soluble drugs”
Assist. Prof. Haruki Higashino, Japan
- 14.45-15.00 Oral presentation (O-017)
“Induction of sodium-dependent neutral amino acid transporter 2 (SNAT2) by hypertonic stress in placental syncytiotrophoblasts”
Assist. Prof. Tomohiro Nishimura, Japan
- 15.00-15.15 Oral presentation (O-018)
“Contribution of system A subtypes to neutral amino acids transport in human and rat placental barrier”
Ms. Yu Takahashi, Japan

Chairman: Assoc. Prof. Dr. Tasana Pitaksuteepong

- 15.15-15.30 Oral presentation (O-019)
"Human organic anion transporter 4-mediated transport of olmesartan in placenta"
Ms. Saki Noguchi, Japan
- 15.30-15.45 Oral presentation (O-020)
"Distribution of enzymes and transporter regulating prostaglandin E2 signaling in the mouse placenta throughout gestation"
Ms. Mai Inagaki, Japan
- 15.45-16.00 Oral presentation (O-021)
"Evaluation of materno-fetal permeability of various compounds by fetus uptake index (FUI) method"
Mr. Tomoya Akashi, Japan
- 16.00-16.15 Oral presentation (O-022)
"Pharmacokinetics interaction between irbesartan and orthosiphon stamineus extract in rat plasma"
Mrs. Nurmeilis Nurmeilis, Indonesia
- 16.15-16.30 Oral presentation (O-023)
"Differences in affinity of hypotaurine towards Slc6a GABA/taurine transporters"
Ms. Yuko Yoshida, Japan

Chairman: Assoc. Prof. Dr. Wiwat Pichayakorn

- 16.30-16.45 Oral presentation (O-024)
"Comprehensive supercritical fluid chromatography combined with mass spectrometric detection for the analysis of related substances in polyene phosphatidyl choline extracted from soybean and its commercial capsule"
Dr. Xiaohong Liu, China
- 16.45-17.00 Oral presentation (O-025)
"Succinylated soybean protein as novel excipient for sustained release matrix microspheres"
Prof. Effi Effionora Anwar, Indonesia
- 17.00-17.15 Oral presentation (O-026)
"Formulation, optimization & evaluation of mouth dissolving film of nifedipine by using design of experiment"
Assoc. Prof. Anil Pethe, India
- 17.15-17.30 Oral presentation (O-027)
"Formulation development of multi unit particulate system (MUPS) for anti-diabetic drugs"
Dr. Surendra Agrawal, India

(Note: Refreshment will be served in front of the lecture room.)

Industrial Pharmacy Symposium (Room Tulip)

Chairman: Assist. Prof. Dr. Sathaporn Nimkulrat & Weerayut Chirarutsami

- 14.00-14.25 Industrial Pharmacy Lecture (IP-1)
"Challenges on compliance of registration dossiers"
Dr. Yuppadee Javrongrit
Food and Drug Administration, Thailand
- 14.25-14.50 Industrial Pharmacy Lecture (IP-2)
"Drug development: From *in vitro* to *in vivo* studies"
Dr. Poranee Puranajoti
International Bio Service Co., Ltd., Thailand
- 14.50-15.15 Industrial Pharmacy Lecture (IP-3)
"Evaluation of previous product residue on magnetic bar used for manufacturing of Japanese Encephalitis vaccine"
Dr. Ratiya Kukhetpitakwong
GPO-Merieux Biologicals Co., Ltd., Thailand

- 15.15-15.40 Industrial Pharmacy Lecture (IP-4)
 “Lyophilization of pharmaceutical products: From concept to reality”
 Dr. Krisanin Chansanroj
 Pharma Nueva Co., Ltd., Thailand
- 15.40-16.05 Industrial Pharmacy Lecture (IP-5)
 “Medium optimization for production of Diphtheria toxin”
 Dr. Norapath Pesirikan
 Government Pharmaceutical Organization, Thailand
- 16.05-16.30 Industrial Pharmacy Lecture (IP-6)
 “Establishing acceptance limits for uniformity of dosage units”
 Pramote Cholayudth
 Biolab and PM Consult Ltd., Thailand
- 16.30-16.55 Industrial Pharmacy Lecture (IP-7)
 “Next 10 years in pharmaceutical manufacturing information technology”
 Teerapong Cheepchol
 Factorytalk Co., Ltd., Thailand

(Note: Refreshment will be served in front of the lecture room.)

17.00-18.00 Exhibition (Room Lilavadee)

19.00-21.00 Gala dinner

Nov 27, 2015

8.00-9.00 Registration

Plenary hall

Chairman: Prof. Dr. Sompol Prakongpan

- 9.00-10.00 Plenary lecture 3
 “Contribution of developing countries vaccine manufacturers in the field of vaccines”
 Dr. Suresh Jadhav
 Serum Institute of India Ltd., India
- 10.00-10.20 Refreshment break

Symposium IV Formulation design and drug delivery II (Cancer) (Plenary hall 1)

Chairman: Prof. Dr. Chang-Koo Shim

- 10.20-10.50 Invited lecture 10 (IL-10)
 “Antitumor therapy via various nanopreparations”
 Prof. Dr. Qiang Zhang
 Peking University, P.R. China
- 10.50-11.20 Invited lecture 11 (IL-11)
 “Doxorubicin – the dogma and the bone”
 Prof. Dr. Crispin R. Dass
 Curtin University, Australia
- 11.20-11.50 Invited lecture 12 (IL-12)
 “Roles of nitric oxide on cancer stemness and metastasis in lung cancer cells”
 Assoc. Prof. Dr. Pithi Chanvorachote
 Chulalongkorn University, Thailand

Symposium V Natural products and cosmeceuticals (Plenary hall 2)

Chairman: Assoc. Prof. Dr. Satit Puttipipatkachorn

- 10.20-10.50 Invited lecture 13 (IL-13)
 “Components of traditional Chinese medicine inhibit platelet aggregation through ADP receptor subtypes P2Y1 and P2Y12”
 Prof. Dr. Xiaoliang Wang
 Peking Union Medical College, P.R. China

- 10.50-11.20 Invited lecture 14 (IL-14)
 “Antiphytophthora and antifusarium from Indonesian medicinal plants”
 Prof. Dr. Sukrasno
 Bandung Institute of Technology, Indonesia
- 11.20-11.50 Invited lecture 15 (IL-15)
 “Antiaging cosmeceuticals from Thai pigmented rice”
 Prof. Dr. Malyn Chulasiri
 S&J International Enterprises PCL, Thailand

Symposium VI Biopharmaceutics, biotechnology and drug development (Room Tulip)

Chairman: Prof. Dr. Zhonggui He

- 10.20-10.50 Invited lecture 16 (IL-16)
 “Effect of genetic polymorphisms on the interplay of P-glycoprotein transporter and cytochrome P450 enzymes: Pharmacokinetics of risperidone”
 Prof. Dr. Yong-Bok Lee
 Chonnam National University, South Korea
- 10.50-11.20 Invited lecture 17 (IL-17)
 “Improving the bioavailability of pharmacologically active substances in pharmaceutical and cosmetic formulations”
 Dr. Joachim Storsberg
 Fraunhofer Institute for Applied Polymer Research, Germany
- 11.20-11.50 Invited lecture 18 (IL-18)
 “Successful generic drug product development: From research to marketing approval”
 Dr. Suchart Chongprasert
 Food and Drug Administration, Thailand
- 12.00-13.00 Lunch
- 13.00-14.00 Poster presentation II (Room Lilavadee) and exhibition

Nagai Award Lecture (Plenary hall 1)

Chairman: Prof. Dr. Shinji Yamashita

- 14.00-14.10 Awarding ceremony: Nagai Award Lecture
 Nagai Award Recipient: Prof. Dr. William Charman, Monash University, Australia
- 14.10-15.00 Nagai Award Lecture 2015
 “Pharmaceutical Sciences: Relevance|Innovation|Education”
 Prof. Dr. William Charman
 Monash University, Australia

Oral presentation I (Plenary hall 1)

Chairman: Prof. Dr. Crispin R. Dass

- 15.00-15.15 Oral presentation (O-028)
 “Self-assembled docetaxel prodrug-based nanomedicine for cancer therapy: synthesis, characterization and anticancer valuation in vitro and in vivo”
 Assoc. Prof. Yongjun Wang, China
- 15.15-15.30 Oral presentation (O-029)
 “Tumour-targeted niosome as novel carrier for intravenous administration of tocotrienol”
 Dr. Ju Yen Fu, Malaysia
- 15.30-15.45 Oral presentation (O-030)
 “Tumor-targeting siRNA delivery utilizing of folate-PEG appended dendrimer (G4) conjugate with α -cyclodextrin”
 Mr. Ayumu Ohyama, Japan
- 15.45-16.00 Oral presentation (O-031)
 “Single molecular DNA/RNA sequencing with microscopy”
 Assist. Prof. Masanori Kataoka, Japan
- 16.00-16.15 Oral presentation (O-032)

- “Production of spike and nucleocapsid recombinant proteins of porcine edidemic diarrhea virus for antibody detection by ELISA”
Dr. Angkana Tantituvanont, Thailand
- 16.15-16.30 Oral presentation (O-033)
“Surface modification of hydrogel microcapsules by MPEG and improvement of protein repellency by controlling graft density”
Dr. Jiani Zheng, China

(Note: Refreshment will be served in front of the lecture room.)

Oral presentation II (Plenary hall 2)

Chairman: Assoc. Prof. Dr. Srisagul Sungthongjeen

- 15.00-15.15 Oral presentation (O-034)
“Thai traditional medicine development: the proposed development model of modern Thai traditional medicine”
Dr. Nophadon Luangpirom, Thailand
- 15.15-15.30 Oral presentation (O-035)
“Chemical analysis of hydroquinone and retinoic acid contents in facial whitening creams”
Mr. Aung Myo Htet, Myanmar
- 15.30-15.45 Oral presentation (O-036)
“Detection of nicotine from secondhand smoke as a marker compound”
Prof. Sanjay Walode, India
- 15.45-16.00 Oral presentation (O-037)
“The effect of pharmaceutical care in the elderly with types 2 diabetes mellitus”
Mr. Win Myat Maw, Myanmar
- 16.00-16.15 Oral presentation (O-038)
“Perceptions on the risk and management of unused pharmaceuticals towards the creation of guidelines on handling and disposal”
Assoc. Prof. Jocelyn Palacpac, Philippines
- 16.15-16.30 Oral presentation (O-039)
“Intervention on inhalation technique of rotahaler in patients with chronic obstructive pulmonary disease and asthma”
Assist. Prof. Gulam Muhammad Khan, Nepal

(Note: Refreshment will be served in front of the lecture room.)

Industrial Pharmacy Symposium (Room Tulip)

Chairman: Dr. Phatsawee Jansook

- 15.00-15.25 Industrial Pharmacy Lecture (IP-8)
“Microwave technology enabled transdermal nanocarrier and drug delivery”
Assoc. Prof. Tin Wui Wong
Universiti Teknologi MARA, Malaysia
- 15.25-15.50 Industrial Pharmacy Lecture (IP-9)
“Hot melt extrusion: An application for enhancing drug solubility”
Dr. Duangrat Shuwisitkul
Srinakharinwirot University, Thailand
- 15.50-16.15 Industrial Pharmacy Lecture (IP-10)
“Implementing a paperless and integrated pharma quality system”
Chompunut Apinan
Factorytalk Co., Ltd., Thailand

(Note: Refreshment will be served in front of the lecture room.)

Closing Ceremony (Plenary hall 1)

- 16.30-18.00 Awarding ceremony: AFPS Nagai Pre-doctoral Best Paper Award 2015