

## 2014

Proceedings of the Spring International Convention of The Pharmaceutical Society of Korea

> April 17(Thu)-18(Fri), 2014 The-K Seoul Hotel, Seoul, Korea

Creative Innovation for Next 60 Years in Drug Research

후원 | 한국과학기술단체총연합회, 식품의약품안전처, 한국제약협회, 대한약사회



The Pharmaceutical Society of Korea

#### P9-9 Development of Nitric Oxide-releasing PLGA-PEI Nanoparticle

HASAN nurhasni, CAO Jiafu, YOO Jin-Wook\*

College of Pharmacy, Pusan National University, Busan, Korea.

#### P9-10 Dual Drug Loaded PLGA Nanoparticles for Tumor Therapy

CAO Jiafu, YOO Jin-Wook\*

College of Pharmacy, Pusan National University, Busan, Korea.

## P9-11 Effect of Adhesive Polymer on the Sol-Gel Transition Temperature of Acetaminophen-loaded Thermo-responsive Hydrogel

KANG Bong-Seok, LEE Sang-Eun, NG Choon Lian, CHO Cheong-Weon, PARK Jeong-Sook\*
College of Pharmacy, Chungnam National University, Korea.

## P9-12 Preparation of Pal-KTTKS Nanoparticle and Evaluation of the Particle Size Effect on the Dermal Fibroblast Proliferation and Migration

PARK Hyunju, CHO LEE Ae-Ri\*

College of Pharmacy, Duksung Women's University, Korea.

## P9-13 Preparation and Characterization of Liquid Crystals for the Controlled Release of Ascorbic Acid KIM Dong-Hwan, KIM Hee-Yeon<sup>1</sup>, HONG Won Tae<sup>1</sup>. PARK Ji Hun<sup>1</sup>\*

College of Pharmacy, Seoul National University, Korea. Busanil Science High School, Korea.

## P9-14 RP-HPLC Method Development and Validation for Simultaneous Analysis of Ibuprofen and Pamabrom

JUN Hye-Suk, CHO Cheong-Weon\*

College of Pharmacy, Chungnam National University, Korea.

## P9-15 Evaluation of Antitumor Activity and Pharmacokinetics of Polyphosphazene-Platinum(II) Conjugate

KIM Hyun-Jeong, JOO Hye-In, YOUN Soo-Sohn 1, LEE Hwa-Jeong 2\*

College of Pharmacy, Ewha Womans University, Korea. <sup>1</sup>C & Pharm, Rm 263 Science Building B, Ewha Womans University, Korea. <sup>2</sup>College of Pharmacy, Ewha Womans University, Korea.

### P9-16 Preformulation and Pharmacokinetic Evaluation of a Prodrug of Rebamipide(SA001)

HEO Chan, CHO Eun-Hye, KIM Seung-Kyoung, SONG Woo-Heon, KIM Hyun-Tea, KWON Ho-Seok, CHO Eui-Hwan, KANG Sun-Kyung<sup>1</sup>, LEE Cheol-Soon<sup>1</sup>, SHIN Hee-Jong\* Samjin Pharmaceutical Co., LTD., Korea. Nanomol, Inc., Korea.

## P9-17 Physicochemical Characterization and Oral Bioavailability Evaluation of Fenofibrate-loded Solid Dispersions Loaded Using Spray-drying Method.

RASHID Rehmana, YOUSAF Abid, PARK Jong Hyuck, KIM Dong Wuk, DIN Fakhar, MUSTAPHA Omer, POUDE Bijav<sup>1</sup>, KIM Jong Oh<sup>1</sup>, YONG Chul Soon<sup>1</sup>, CHOI Han-Gon\*

College of Pharmacy, Hanyang University. <sup>1</sup>College of Pharmacy, Yeungnam University.

## P9-27 Development of pH-and Bacteria-dependent Nanoparticles Loaded with Dexamethasone for Colon Targeted Delivery

MUHAMMAD Naeem, YOO Jin-Wook\*

College of Pharmacy, Pusan National University, Busan, South Korea.

# P9-28 Development of MSRA - based Aβ<sub>42</sub> Uptake Model Using Human Microglial Cell Line, HMO6 YU Jung-Min, KIM Hee-Jung, KIM Seung-Tae, KIM Gwang-Hoon, PARK Da-Woon, JANG Su-Kil, LEE Do-Ik, JOO Seong-Soo\*

New Bio Pharmaceutical Development Lab, College of Life Science, Gangneung-Wonju National University, Korea.

## P9-29 Effects of Sipjeondaebo-tang (SDT) on the Absorption and Pharmacokinetics of a Combination Anticancer Agent, TS-1 in Rats

KIM Min-Gi, KIM Tae-Hwan, SEOK Su-Hyun, KIM Min-Kyu, YOO Sun-Dong, SHIN Beom-Soo<sup>1</sup>\*
School of Pharmacy, Sungkyunkwan University, Suwon, Gyeonggi-do, Korea. <sup>1</sup>College of Pharmacy, Catholic University of Daegu, Gyeongsan, Gyungbuk, Korea.

#### P9-30 Pharmacokinetics of Srx Inhibitor K27 in Rats

KIM Kyung-Mi, KIM Ji-Hye, LEE Hwa-Jeong\*

College of Pharmacy, Ewha Womans University, 52 Ewhayeodae-gil, Seodaemun-gu, Seoul 120-750, Republic of Korea.

## P9-31 Induction of Inflammatory Reaction via a Novel PR-like Gene from Oenanthe javanica in Raw264.7

YU Jung-Min, KIM Seung-Tae, KIM Hee-Jung, KIM Gwang-Hoon, PARK Da-Woon, JANG Su-Kil, LEE Do-Ik, JOO Seong-Soo\*

New Bio Pharmaceutical Development Lab, College of Life Science, Gangneung-Wonju National University, Korea.

### P9-32 Effects of Hyangsayukgunja-tang (HYT) on the Pharmacokinetics of Gemcitabine, Erlotinib, and Its Metabolites in Rats

KIM Min-Kyu, KIM Tae-Hwan, KIM Min-Gi, SEOK Su-Hyun, YOO Sun-Dong, SHIN Beom-Soo<sup>1\*</sup>
School of Pharmacy, Sungkyunkwan University, Suwon, Gyeonggi-do, Korea. <sup>1</sup>College of Pharmacy, Catholic University of Daegu, Gyeongsan, Gyungbuk, Korea.

## P9-33 Spary-dried Inclusion Complex of Fenofibrate with HP-b-CD/: Physicochemical Characterization and Evaluation of Oral Bioavailability in Rats

MUSTAPHA Omer, YOUSAF Abid, KIM Dong Wuk, PARK Jong Hyuck, DIN Fakhar, RASHID Rehmana, RAMASAMY Thiruganesh KIM Jong Oh YONG Chul Soon, CHOI Han-Gon\*

College of Pharmacy, Hanyang University. College of Pharmacy, Yeungnam University.

### P9-34 Effects of Palmul-tang on the Oral Absorption and Pharmacokinetics of Gefitinib (Iressa ™) JOO Sang Hoon\*

College of Pharmacy, Catholic University of Daegu, Korea.

## P9-35 Polystyrene Polylactide Copolymer Based Nanoparticle Formulation for Anticancer Drug Delivery

LEE Jae-Young, KIM Jung Sun1, CHO Hyun-Jong2, KIM Dae-Duk\*

College of Pharmacy, Seoul National University, Korea. <sup>1</sup>Division of Health Sciences, Dongseo University, Korea. <sup>2</sup>3College of Pharmacy, Kangwon National University, Korea.

## P9-36 Chitosan Based Polyelectrolyte Complexes as a Potential Nanoparticulate Carrier System: an Insight on Physicochemical and Bioligical Characterization

CHOI Ju Yeon, KIM Jeong Hwan<sup>1</sup>, RAMASAMY Thiruganesh<sup>1</sup>, YONG Chul Soon<sup>1</sup>, KIM Jong Oh<sup>1</sup>, KIM Dong Wuk<sup>2</sup>, CHOI Han-Gon<sup>2</sup>, SHIN Beom Soo<sup>3</sup>\*

College of Pharmacy, Yeungnam University, South Korea. <sup>1</sup>College of Pharmacy, Yeungnam University, South Korea. <sup>2</sup>College of Pharmacy, Hanyang University, South Korea. <sup>3</sup>College of Pharmacy, Catholic University of Daegu, South Korea.

## P9-37 Development and Evaluation of In Vitro-In Vivo Correlation (IVIVC) of Modified Release Oral Dosage Forms

SEO Jeong-Won, HWANG-Bo Eun, KIM Peol A, KIM Ho, YUN Jae-Suk, CHON Chong-Run, LEE Jong-Pill, KANG Shin-Jung, CHOI Don-Woong\*

Pharmaceutical Standardization Research and Testing Division, National Institute of Korea Food and Drug Safety Evaluation(NIFDS)/MFDS.

### P9-38 Hyaluronan-conjugated Liposomes Encapsulating Salinomycin for Targeting Breast Cancer Stem Cells

XUAN Shuhua, SHIN Dae Hwan, LEE Seung Youn, LEE Ji Yeon, KIM Jin-Seok\*

Research Center for Cell Fate Control (RCCFC) and College of Pharmacy Sookmyung Women's University, Seoul, Republic of Korea.

## P9-39 Physicochemical Characterization and In Vivo Evaluation of Fenofibrate-loaded Gelatin Microcapsules

DIN Fakhar, YOUSAF Abid, KIM Dong Wuk, PARK Jong Hyuck, RASHID Rehmana, MUSTAPHA Omer, PRADHAN Roshan<sup>1</sup>, KIM Jong Oh<sup>1</sup>, YONG Chul Soon<sup>1</sup>, CHOI Han-Gon\*

College of Pharmacy, Hanyang University. College of Pharmacy, Yeungnam University.

#### P9-40 Nocel Clopidogrel Napadisilate-loaded Solid Self-emulsifying Drug Delivery System with Enhanced Oral Bioavailability and Physical Stability

KIM Dong Wuk, PARK Jong Hyuck, YOUSAF Abid, DIN Fakhar, MUSTAPHA Omer, RASHID Rehmana, CHO Hyuk Jun<sup>1</sup>, KIM Jong Oh<sup>1</sup>, YONG Chul Soon<sup>1</sup>, CHOI Han-Gon\*

College of Pharmacy, Hanyang University. College of Pharmacy, Yeungnam University.

#### P9-41 Lipid Inhibition Activity of 7, 3',4'-trihydroxyisoflavone

ROH Changhyun\*

Division of Biotechnology, Korea Atomic Energy Research Institute, Korea.

## P9-57 Compatibility Study of Various Functional Ingredients with Sulglycotide in Neutral Buffer Solution

CHO Kwan Hyung\*

College of Pharmacy, Inje university, Korea.

## P9-58 Sustained Delivery of Plasmid bFGF/CPP Complex to hADSC from PLLA Scaffolds for Tissue Regeneration

KATILA PRAMILA, LEE Seungjin\*

College of Pharmacy, Ewha Womans University, Seoul 120-750, Korea.

## P9-59 Tadalafil Loaded Nanostructured Lipid Carriers Using Permeation Enhancers for Transdermal Application

BAEK Jong-Suep, CHO Cheong-Weon\*

College of Pharmacy, Chungnam National University, Korea.

## P9-60 Development of Control-Releasing Bee Venom Nasal Spray for Immunity Improvement LEE Cho-A, BEAK Jong-Suep, CHO Cheong-Weon\*

College of Pharmacy and Institute of Drug Research and Development, Chungnam National University, Korea.

## P9-61 Crystal Structures of HU Protein from Staphylococcus aureus in Apo and DNA-Bound Forms KIM Do-Hee, IM Hookang, YOON Hye-Jin<sup>1</sup>, LEE Bong-Jin\*

College of Pharmacy, Seoul National University, Korea. <sup>1</sup>College of Natural Sciences, Seoul National University, Korea.

## P9-62 Novel Clopidogrel Napadisilate-loaded Solid Dispersion for Enhanced Bioavailability and Stability

PARK Jong Hyuck, KIM Dong Wuk, YOUSAF Abid, DIN Fakhar, RASHID Rehmana, MUSTAPHA Omer, KIM Jeonghwan<sup>1</sup>, KIM Jong Oh<sup>1</sup>, YONG Chul Soon<sup>1</sup>, CHOI Han-Gon\*

College of Pharmacy, Hanyang University. College of Pharmacy, Yeungnam University.