



**The 145th Annual Meeting
of the Pharmaceutical Society of Japan**

Selected programs of presentations in English

March 26th to 29th, 2025

**Fukuoka International Congress Center
Marine Messe Fukuoka Hall B
FUKUOKA SUNPALACE**

**Promoting the Ecosystem in Pharmaceutical Sciences:
Future Innovation through Cross-disciplinary Collaboration**

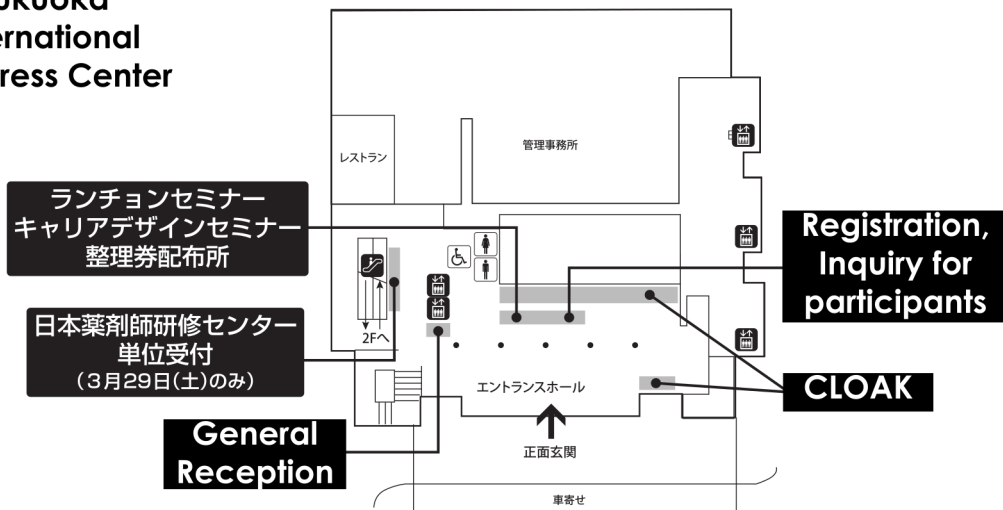


公益社団法人
日本薬学会

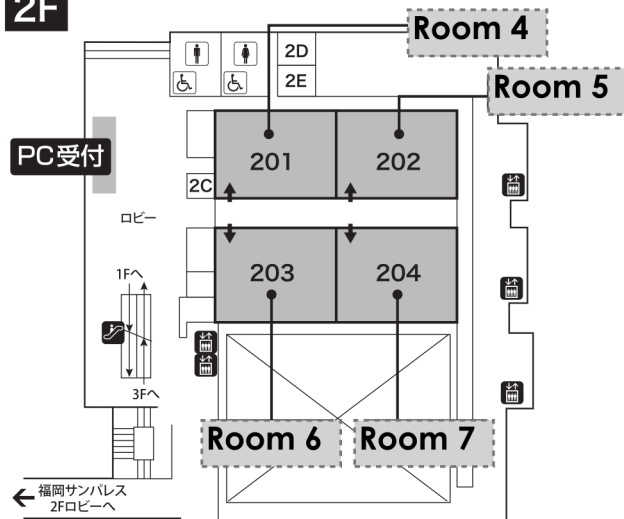
FLOOR MAP Fukuoka International Congress Center

1F

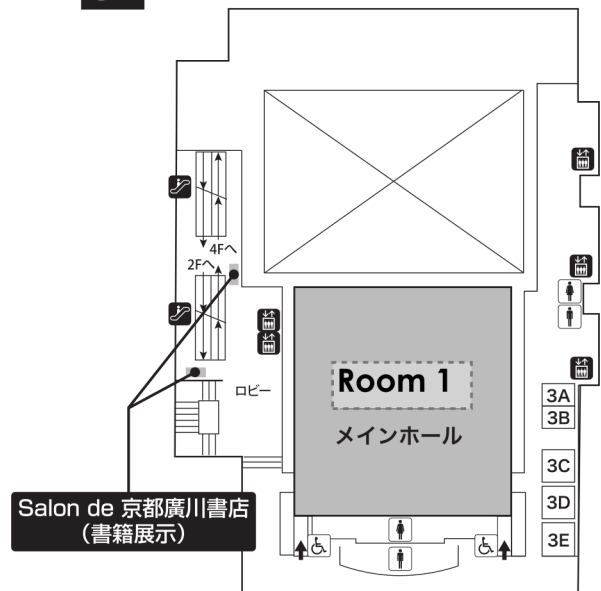
※総合案内・参加受付は、福岡国際会議場のみです。
ネームストラップは、マリンメッセ福岡 B 館にも準備しております。



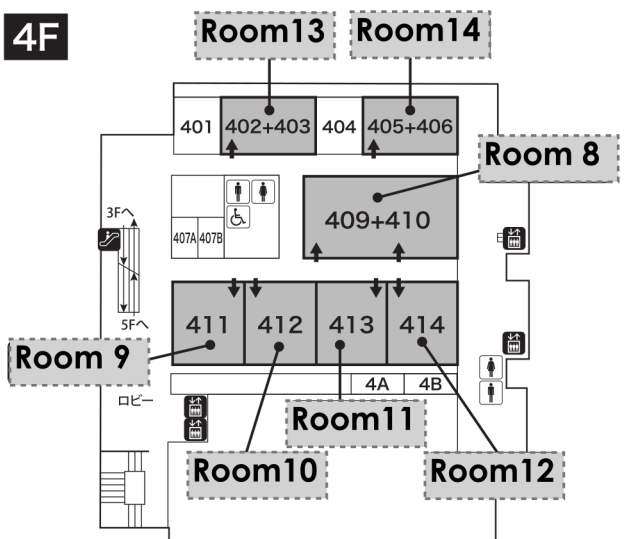
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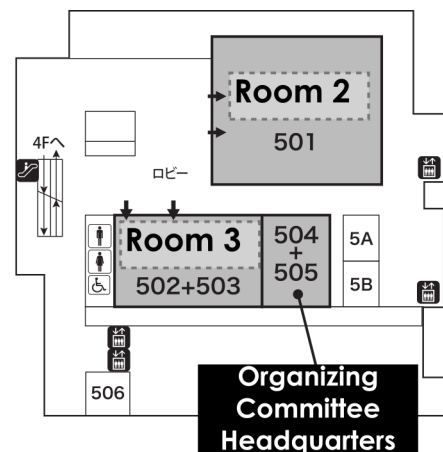
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4F



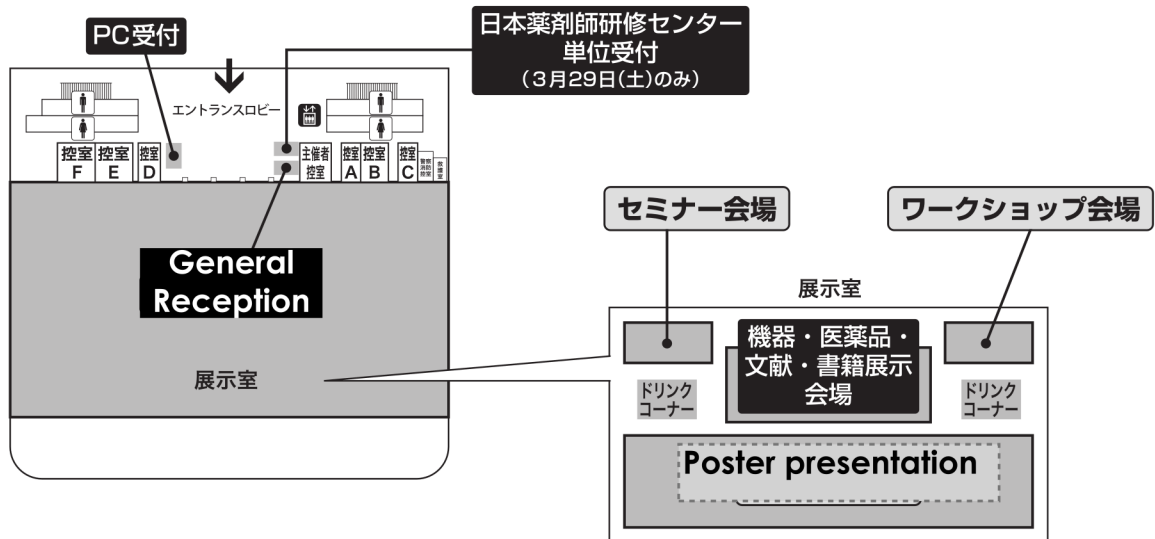
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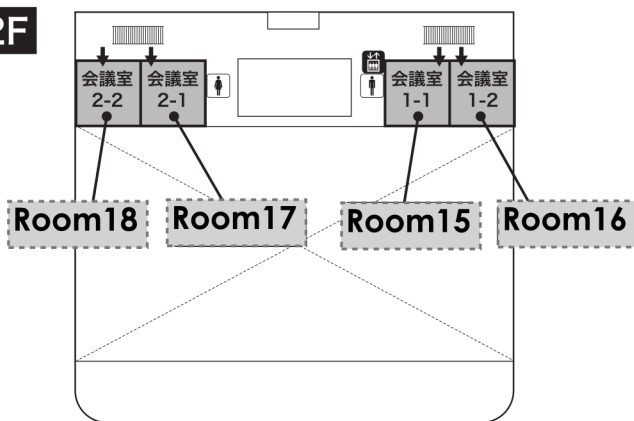
Floor Map

Marine Messe Fukuoka Hall B

1F



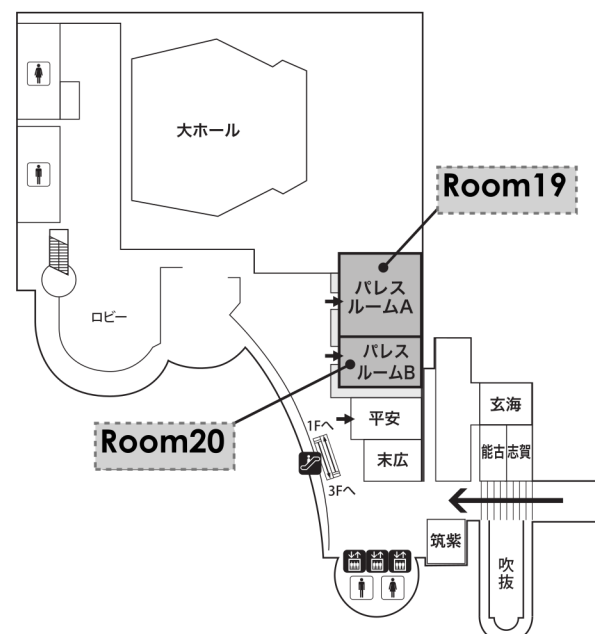
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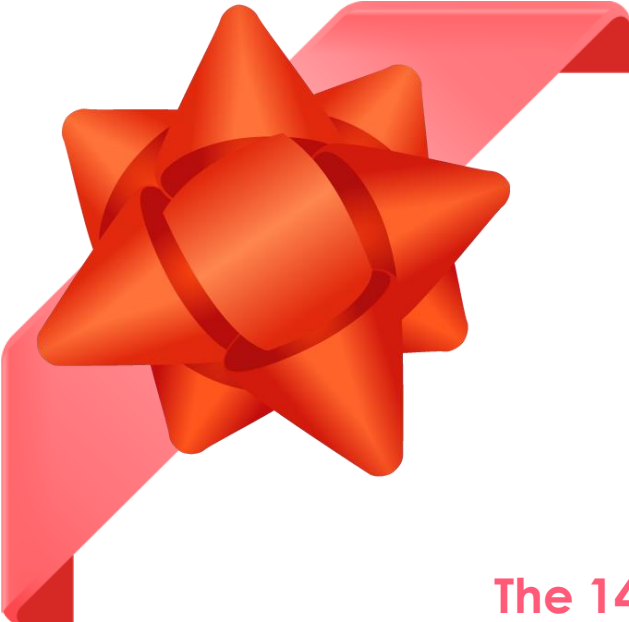


Floor Map

FUKUOKA SUNPALACE

2F





**The 145th Annual Meeting
of
the Pharmaceutical Society of Japan (Fukuoka)**

Selected programs of presentations in English

- ❖ Map of venues
- ❖ Plenary Lecture
- ❖ Special Lecture
- ❖ Award Lecture
- ❖ Symposium
- ❖ Oral Presentation
- ❖ Poster Presentation

<https://pub.conf.it.atlas.jp/en/event/pharm145>



Plenary Lecture

PL

2025/03/27 9:00-10:00

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Reconsidering pharmacy and pharmaceutical science for the future

○Itsuko Ishii¹

1. Div. Pharm., Chiba Univ. Hosp.

ABSTRACT

Special Lecture

SL01

2025/03/27 13:30-14:30

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Modulating Ferroptosis for Disease Prevention

○Marcus Conrad^{1,2}

1. Helmholtz Zentrum München, Institute of Metabolism and Cell Death, Neuherberg, Germany, 2. Translational Redox Biology, Technical University of Munich (TUM), TUM Natural School of Sciences, Germany

ABSTRACT

SL02

2025/03/28 9:00-10:00

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Cellular stress: sensing mechanisms and diseases

○Hidenori Ichijo¹

1. Adv. Res. Dept., Ins. Sci. Tokyo

ABSTRACT

SL03

2025/03/28 10:30-11:30

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Data Science Tools for Synthetic Methods Development

○Abigail G. Doyle¹

1. University of California, Los Angeles

ABSTRACT

SL04

2025/03/28 13:00-14:00

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Studies on catalytic asymmetric synthesis for 40 years

○Masakatsu Shibasaki¹

1. Institute of Microbial Chemistry

ABSTRACT

SL06 2025/03/29 10:45-11:45

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Pharmacological Basis of Gα12-Mediated Metabolic Regulation

○Sang Geon Kim^{1,2,3}

1. Coll. Pharm., Dongguk Univ., 2. Grad. Sch. Med., Dongguk Univ., 3. Biomed. Res. Plan. & Strat., Dongguk Univ. Med. Cent.

ABSTRACT

Award Lecture

AL01 2025/03/27 14:50-15:50

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Exploratory study on functional expansion of brain circuits

○Yuji Ikegaya¹

1. Graduate School of Pharmaceutical Sciences, The University of Tokyo

ABSTRACT

AL02 2025/03/27 16:10-17:10

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Development of targeted protein degradation and SNIPER compounds

○Mikihiko Naito¹

1. Grad. Sch. Pharm. Sci., Univ. Tokyo

ABSTRACT

AL03 2025/03/28 15:40-16:40

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Natural product-prompted chemical biology research toward drug discovery

○Hideaki Takeya¹

1. Grad. Sch. Pharm. Sci., Kyoto Univ.

ABSTRACT

AL04 2025/03/28 17:00-18:00

(Translation service available.)

Room 1 (FUKUOKA CONVENTION CENTER: Main Hall (3F))

Biosynthetic study on natural products for innovative drug discovery

○Kenji Watanabe¹

1. Dept. Pharm. Sci.

ABSTRACT

AL20 2025/03/27 8:55-9:25 (Translation service available.)
Room 2(FUKUOKA CONVENTION CENTER: 501 (5F))

Pharmaceutical health science: history, indispensability, and the development of pharmaceutical professionals for its education and practice

○Toshiyuki Kaji¹

1. Tokyo Univ. of Sci.

ABSTRACT

AL21 2025/03/27 9:35-10:05 (Translation service available.)
Room 2(FUKUOKA CONVENTION CENTER: 501 (5F))

My journey in developing a fascination for the history and sciences of poisons

○Shinji Funayama^{1,2}

1. Nihon Pharm. Univ., 2. The Jap. Soc. for the Hist. of Pharm.

ABSTRACT

AL22 2025/03/27 10:15-10:55 (Translation service available.)
Room 2(FUKUOKA CONVENTION CENTER: 501 (5F))

Discovery of ensitrelvir, a COVID-19 treatment targeting 3CL protease

○Yuki Tachibana¹, Yuto Unoh¹, Shota Uehara¹, Haruaki Nobori¹, Teruhisa Kato¹

1. SHIONOGI & CO., LTD.

ABSTRACT

AL23 2025/03/27 11:05-11:45 (Translation service available.)
Room 2(FUKUOKA CONVENTION CENTER: 501 (5F))

Creation of trastuzumab deruxtecan, a novel cancer treatment drug, by innovating new-generation antibody-drug conjugate technology, DXd-ADC

Toshinori Agatsuma¹, ○Yuki Abe¹, Hiroyuki Naito¹, Takashi Nakada¹, Yusuke Ogitani¹

1. Daiichi Sankyo

ABSTRACT

Symposium

IS01 International Symposium on Pharmaco-Health Sciences

IS01-1

Epigenetic biomarkers for alcohol-related chronic diseases

oMihi Yang^{1,2}

1. Dept. of Toxicology, College of Pharmacy, Sookmyung Women's Univ., 2. Goodbeing Center Co., Ltd.

ABSTRACT

IS01-2

Implications of metabolic dysfunction associated with medications with high dependency potentials

oYeo Jin Choi^{1,2,3}, Yujin Kim^{2,3}, Yu Jin Sohn¹

1. Department of Pharmacy, Kyung Hee University, 2. Department of Regulatory Science, Kyung Hee University, 3. Institute of Regulatory Innovation through Science (IRIS), Kyung Hee University

ABSTRACT

IS01-3

Oxidation of fenamic acid NSAIDs and related environmental contaminants – linkage through reactive metabolites and radicals.

oArno G. Siraki¹, Newton H Tran¹, Steven Lockhart^{1,2}, Lusine Tonoyan^{1,2}, Othman Eldalal¹, Huan Liu¹, Kirtypal Singh^{1,2}

1. University of Alberta, College of Health Sciences, Faculty of Pharmacy and Pharmaceutical Sciences, 2. Applied Pharmaceutical Innovation Life Sciences

ABSTRACT

IS01-4

The early innate immune response to drugs may provide biomarkers of idiosyncratic drug reaction risk

oJack Uetrecht¹

1. University of Toronto

ABSTRACT

IS01-5

Transitioning from local wisdom and downscaling analysis to innovative approaches in green pharmaceutical analysis

oChalermpong Saenjum¹, Sutasinee Apichai^{1,2}, Thanawat Pattanandecha^{1,2}, Kanokwan Kiwfo², Siripat Suteerapataranon³, Fumihiko Ogata⁴, Naohito Kawasaki⁴, Kate Grudpan³

1. Fac. Pharm., Chiang Mai Univ., 2. Office Res. Admin., Chiang Mai Univ., 3. Fac. Sci., Chiang Mai Univ., 4. Fac. Pharm., Kindai Univ.

ABSTRACT

IS01-6

Recent advances in hexavalent chromium removal from aqueous solutions by adsorption technique using layered double hydroxides

○Fumihiko Ogata¹

1. Fac. Pharm., Kindai Univ.

ABSTRACT

OS01 Creating organizations that foster diversity

Translation service available

OS01-1

SENTAN-Q: Creating a university where women can thrive

○Kaoru Tamada^{1,2}

1. IMCE Kyushu Univ., 2. Office for the Promotion of Gender Equality, Kyushu University

ABSTRACT

OS01-2

Diversity from the perspective of a pharmaceutical science lab PI

○Makoto Tsuda¹

1. Grad Sch Pharm Sci, Kyushu Univ

ABSTRACT

OS01-3

The Current State of Diversity in the Healthcare Workplace

○Hideyuki Terazono^{1,2}

1. Kagoshima Univ. Hosp., 2. Kagoshima Univ. Med. Dent. Sci.

ABSTRACT

OS02 Nagai Memorial Pharmaceutical Research Encouragement Support Project

Translation service available

OS02-1

Nagai Memorial Pharmaceutical Research Encouragement Support Project : Introduction

○Yoshinobu Takakura¹

1. Hakubi Center Adv Res, Kyoto Univ

ABSTRACT

OS02-2

Career and research initiatives of pharmacists supporting community medicine and pharmaceutical education

○Yuya Futagi¹

1. Hosp. Pharm., Kanazawa Univ.

ABSTRACT

OS02-3

The Nagai Memorial Pharmaceutical Research Encouragement Support enables me to expand my career horizons.

oYuki Kanase¹

1. Kyoto Pharmaceutical University

ABSTRACT

OS02-4

Rich experience from Nagai Memorial Research Scholarship Support

oNaruki Konishi¹

1. Kitasato Univ. Sch. of Pharm.

ABSTRACT

OS02-5

My studies in pharmaceutical sciences promoted by the nagai memorial pharmaceutical research encouragement support in my career

oKazuaki Takahashi¹

1. Grad. Sch. Hort., Chiba Univ.

ABSTRACT

OS02-6

For the Future of Pharmaceutical Sciences

oItsuko Ishii¹

1. Chiba University Hospital

ABSTRACT

SS01 Digitalization-driven Organic Synthesis for Promoting Pharmaceutical Sciences

SS01-1

Development of reactive species and catalysts for selective organic reactions using machine learning

oMakoto Yasuda¹, Yuya Tsutsui¹, Yoshihiro Nishimoto¹, Akihito Konishi¹, Yusei Yoshida², Kazuhiro Takeda²

1. Grad. Sch. Eng., Osaka Univ., 2. Grad. Sch. Integrated Sci. Tech., Shizuoka Univ.

ABSTRACT

SS01-2

Machine learning applied to catalyst design and yield prediction in organic chemistry

oKazuhiro Takeda¹, Makoto Yasuda², Naoya Ohtsuka^{3,4}, Toshiyasu Suzuki³, Norie Momiyama^{3,4}

1. Grad. Sch. Integrated Sci. Tech., Shizuoka Univ., 2. Grad. Sch. Eng., Osaka Univ., 3. IMS, 4. SOKENDAI

ABSTRACT

SS01-3

Machine Learning-Assisted development of visible light-induced fluoroalkylation

○Tomoko Yajima¹

1. Fac. Core Res., Ochanomizu Univ.

ABSTRACT

SS01-4

Flow integrated synthesis of strained molecules toward digital optimization

○Kiyosei Takasu¹, Aki Kohyama¹, Yousuke Yamaoka¹

1. Grad. Sch. Pharm. Sci., Kyoto Univ.

ABSTRACT

SS02 Green Catalysis Science for Promoting Pharmaceutical Sciences

SS02-1

Development of Multifunctional Organic Photocatalysts

○Takashi Ooi^{1,2}

1. Nagoya Univ. ITbM, 2. Grad. Sch. Eng., Nagoya Univ.

ABSTRACT

SS02-2

Radical Catalysis

○Hirohisa Ohmiya¹

1. ICR, Kyoto Univ.

ABSTRACT

SS02-3

Catalytic Synthesis of Linkage-Edited pseudo-Glycans

○Go Hirai¹

1. Grad. Sch. Pharm., Kyushu Univ.

ABSTRACT

SS02-4

Total Synthesis of Highly Oxygenated Natural Products

○Masayuki Inoue¹

1. Grad. Sch. Pharm., U. Tokyo

ABSTRACT

SS04 The cutting-edge research of redox supramolecules and ferroptosis- Novel developments in pharmaceutical science

SS04-1

Ferroptosis as a pharmacologically tractable form of cell death to prevent neurodegenerative disease

oMarcus Conrad^{1,2}

1. Helmholtz Zentrum München, Inst. Metabolism and Cell Death, 2. Translational Redox Biology, Technical Univ. Munich

ABSTRACT

SS04-2

Construction of lipid radical inhibitor screening system and its application to diseases

oKen-ichi Yamada¹

1. Fac. Pharm. Sci., Kyushu Univ.

ABSTRACT

SS04-3

***Cyclo*-octasulfur, a merging supersulfide, mediates NO signaling and ferroptosis regulation**

oTakaaki Akaike¹

1. Grad. Sch. Med., Tohoku Univ.

ABSTRACT

SS04-4

Oxygen Sensing by Vitamin B6 Metabolism

oHozumi Motohashi¹

1. Grad. Sch. Med., Tohoku Univ.

ABSTRACT

SS06 Strengthening the dispensing-related operations of pharmacies and pharmacists - Aiming to improve the efficiency and precision of drug preparation -

Translation service available

SS06-1

Prospects for improving the efficiency and precision of drug preparation: From the perspective of a community pharmacist

oYasuaki Hara¹

1. Field

ABSTRACT

SS06-2

Prospects for improving the efficiency and precision of drug preparation: From the perspective of the pharmaceutical industry

oMasahiko Kikuchi^{1,2}

1. Fac. Life Sci., Kumamoto Univ., 2. The UTOPIA Center

ABSTRACT

SS06-3

Prospects for improving the efficiency and precision of drug preparation: From the perspective of the pharmaceutical machinery manufacturers

oMasashi Yuyama^{1,2}

1. YUYAMA MANUFACTURING CO., LTD., 2. JAPAN PHARMACEUTICAL EQUIPMENT & MACHINERY ASSOCIATION

ABSTRACT

SS06-4

The current situation and future of dispensing assistance and support work by people other than pharmacists

oKayoko Takeda¹

1. Hokkaido Univ. Sci.

ABSTRACT

SS07 Utilization of MPS in drug discovery research and its challenges

Translation service available

SS07-1

Current status and future perspective of microphysiological system (MPS) at Astellas

oHaruna Iwaoka¹

1. Astellas Pharma

ABSTRACT

SS07-2

Utilization of human intestinal organoids and image analysis for drug- induced diarrhea risk assessment

oTomoyo Ikeda¹

1. TR Division, CHUGAI PHARMACEUTICAL CO., LTD.

ABSTRACT

SS07-3

Practical applications and challenges of safety evaluation using complex

in vitro models in the pharmaceutical industry

○Takuma Iguchi¹, Yuji Shirai¹, Yuka Yamamoto¹, Koichi Goto¹, Yoshimi Tsuchiya¹

1. Daiichi Sankyo Co., Ltd.

ABSTRACT

SS07-4

Evaluation of bioactive compounds using skeletal muscle MPS

○Kazunori Shimizu¹

1. Grad. Sch. Engineering, Nagoya Univ.

ABSTRACT

SS07-5

The status of global and japanese developments and applications of MPS, microphysiological systems

○Seiichi Ishida¹

1. Graduate School of Engineering, Sojo University

ABSTRACT

JS06 Frontiers in Synthetic and Medicinal Chemistry 2025 (Joint Symposium by Divisions of Organic Chemistry and Medicinal Chemistry)

JS06-1

Utilization of Hydrophobic TAGs for Synthesis of Unique Peptide Natural Products

○Tomoyasu Hirose^{1,2}

1. Ōmura Satoshi Memorial Inst., Kitasato Univ., 2. Grad. Sch. Infection Control Sci., Kitasato Univ.

ABSTRACT

JS06-2

Total Synthesis of Calyciphylline G

○Kosuke Namba¹

1. Grad. Sch. Pharm. Sci. Tokushima Univ.

ABSTRACT

JS06-3

Catalytic Asymmetric Halogenations and Their Synthetic Applications

○Ying-Yeung Yeung¹

1. Dept. Chemistry & State Key Lab. Synth. Chem., The Chinese Univ. of Hong Kong

ABSTRACT

JS08 20th Frontier Pharmaceuticals to be Explored by Young Scientists ~Pharmaceutical Drug Discovery Research in the New Normal Era to Shin-Modality Products~

Translation service available

JS08-1

Application of plant-derived nanoparticles for disease treatment and their potential as a nucleic acid delivery system

○Shoko Itakura¹, Kusamori Kusamori¹, Makiya Nishikawa¹

1. Fac. Pharm. Sci., Tokyo Univ. Sci.

ABSTRACT

JS08-2

Development of technique to induce antibodies against the membrane protein via the spleen-immunization system

○Hidenori Ando^{1,2}, Haruki Tanaka¹, Shunto Yamamoto¹, Haruka Takata^{1,2}, Shimizu Shimizu³, Tatsuhiro Ishida^{1,2}

1. Grad. Sch. Biomed. Sci., Tokushima Univ., 2. Innovation Research Center for DDS, Tokushima Univ., 3. BIKEN, Osaka Univ.

ABSTRACT

JS08-3

-MacTrigger- cellular medicine destroying immunosuppressive environment of tumor

○Teruki Nii^{1,2}, Yoshiki Katayama^{1,2}

1. Fac. Eng., Kyushu Univ., 2. Grad. Sch. Sys. Life Sci., Kyushu Univ.

ABSTRACT

JS08-4

Delivery of mRNA and gene therapeutics to extrahepatic organs

○Satoshi Uchida^{1,2}

1. ISCT MRL, 2. iCONM

ABSTRACT

JS09 The novel treatment strategy fused by research both pharmaceutical organic chemistry and pharmaceuticals

Translation service available

JS09-1

Catalysis medicine driven by the merger of organic chemistry and pharmaceuticals

○Motomu Kanai¹

1. Grad. Sch. Pharm. Sci., The Univ. of Tokyo

ABSTRACT

JS09-2

Anticancer properties of artemisinin and new therapeutic strategies for intractable cancer

○Tomoka Nakase¹

1. Department of Pharmaceutics, School of Pharmacy and Pharmaceutical Sciences, Mukogawa Women's University

ABSTRACT

JS09-3

Chemical transformation of medicines to assist the discovery of pharmaceutical research

○Takuya Kumamoto¹

1. Grad. Sch. Biomedical & Health Sciences, Hiroshima Univ.

ABSTRACT

JS09-4

Development of kidney-targeted drug delivery system for medium-sized peptides using serine-modified drug carrier

○Hidemasa Katsumi¹

1. Faculty Pharm., Osaka Ohtani Univ.,

ABSTRACT

S15 Young Challengers in Synthetic Organic Chemistry: "Expanding Diversity and Potential of Synthetic Organic Chemistry"

S15-1

Radical catalysis for amino acid

○Ryo Yazaki^{1,2}

1. Institute for Advanced Study, Kyushu Univ., 2. Grad. Sch. Pharm. Sci., Kyushu Univ.

ABSTRACT

S15-2

Substrate recognition and reaction control by functional spirobipyridines

○Sobi Asako¹

1. RIKEN CSRS

ABSTRACT

S15-3

Study on the application of a semisynthetic macrolide, OMT, as a potential anti-*Pseudomonas aeruginosa* active compound

○Aoi Kimishima¹, Hidehito Matsui¹, Hidehito Hanaki¹, Yukihiro Asami¹

1. Ōmura Inst., Kitasato Univ.

ABSTRACT

S15-4

Medium-sized molecule drug discovery platform —case study of LUNA18's drug discovery research—

○Minoru Tamiya¹, Mikimasa Tanada¹, Koji Takano¹, Takuya Shiraishi¹, Aya Chiyoda¹, Toshiya Ito¹, Kenichi Nomura¹, Satoshi Hashimoto¹, Ryuichi Takeyama¹, Tom

1. Chugai Pharmaceutical CO., LTD.

ABSTRACT

S38 Understanding the Complexity of the Retina and Seminal Therapeutic Strategies

S38-1

Using MINFLUX microscopy to probe nanoscopic receptor organization of the mammalian cone photoreceptor synapse

○Daiki Futagi¹, Steven DeVries¹

1. Dept. Ophthalmology, Northwestern Univ.

ABSTRACT

S38-2

Effect of retinal lamination disruption on retinal function in mice

○Akiko Ueno^{1,2}

1. Pharm., Ritsumeikan University, 2. Center for Systems Vision Science

ABSTRACT

S38-3

The mechanism underlying pathological oscillation in the mouse retina

○Sho Horie¹, Konan Sakuta¹, Keigo Tada², Haruki Tokumoto¹, Taketo Nishimoto¹, Katsunori Kitano^{3,4,5}, Masao Tachibana⁴, Chieko Koike^{4,5,6}

1. Grad. Sch. Pharm., Ritsumeikan Univ., 2. Grad. Sch. ISE., Ritsumeikan Univ., 3. Col. ISE., Ritsumeikan Univ., 4. CSVS., Ritsumeikan Univ., 5. R-GIRO., Ritsumeikan Univ., 6. Col. Pharm., Ritsumeikan Univ.

ABSTRACT

S38-4

Mutation-independent targeted gene insertion therapeutics to treat autosomal dominant retinitis pigmentosa in mouse and primate systems

○Akishi Onishi^{1,2,3,4}

1. VCGT Inc., 2. Res. Org. Sci. Tech., Ritsumeikan Univ., 3. RIKEN BZP, 4. Kobe City Eye Hospital Research Center

ABSTRACT

S40 AI will change the future of drug discovery, drug formulation/DDS, and medical care

Translation service available

S40-1

Screening and Compound Generation Focusing on Interactions Between Target Proteins and Ligands

○Masakazu Sekijima¹

1. Dept. Comp. Sci., Science Tokyo

ABSTRACT

S40-2

AI-based drug discovery using chemical and biological information

○Yoshihiro Yamanishi¹

1. Grad. Inf., Nagoya Univ.

ABSTRACT

S40-3

AI/ML-Driven Digital Transformation in Pharmaceutical Manufacturing

○Manabu Kano¹

1. Grad.Sch. Inf., Kyoto Univ.

ABSTRACT

S40-4

Advances in DDS with AI and outlook for medical AI

○Hidetoshi Arima¹

1. Sch. Pharm., Daiichi Univ. Pharm.

ABSTRACT

S44 Pharmaceutical Education Contributing to Strengthening Japan's Drug Discovery Capabilities

Translation service available

S44-1

Japan's drug discovery capabilities: current and future challenges

○Koji Tawara¹

1. Medical Education Division, Higher Education Bureau, Ministry of Education, Culture, Sports, Science and Technology

ABSTRACT

S44-2

The role of faculty of pharmacy to enhance drug discovery : perspective from pharmaceutical industry

○Osamu Okuda¹

1. CHUGAI PHARMACEUTICAL CO., LTD.

ABSTRACT

S44-3

Pharmacy education in hospital pharmacy supporting the future of drug discovery

○Yoshito Zamami¹

1. Dept. Pharm, Okayama Univ. Hosp.

ABSTRACT

S44-4

The six-year education program at the school of pharmaceutical science, Osaka University designed to enhance drug development

○Tatsuya Saitoh^{1,2,3,4}

1. Grad. Sch. Pharm. Sci., Osaka Univ., 2. Sch. Pharm. Sci., Osaka Univ., 3. MEI Ctr., Osaka Univ., 4. CiDER, Osaka Univ.

ABSTRACT

S44-5

Efforts by the faculty of pharmaceutical sciences to enhance drug discovery(GMP Center,Hiroshima University)

○Koichiro Ozawa^{1,2}, Hidetoshi Tahara^{1,2}

1. Grad. Sch. Biomed. & Health Scie., Hiroshima Univ., 2. PSI GMP Center, Hiroshima Univ.

ABSTRACT

S46 New Era in Pharmaco"Epi"genomics -Frontiers in Epigenetics from Basic Science to Drug Discovery-

S46-1

Epigenetic Code in Health and Diseases

○Sung Hee Baek¹

1. Creative Res Initiatives Center for Epigenetic Code and Disease, Dept Biol Sci, Seoul National Univ.

ABSTRACT

S46-2

Epigenetic modifiers in inflammation and fibrosis

○Tomoaki Koga¹, Naofumi Funagura^{1,2}, Seonghyeon Hong¹, Ayane Noda¹, Toshihiro Inoue², Mitsuyoshi Nakao¹

1. Dept. Med. Cell. Biol., IMEG, Kumamoto Univ., 2. Dept. Ophthalmol, Grad. Sch. Med., Kumamoto Univ.

ABSTRACT

S46-3

VEGF-mediated unique epigenetic modifications defined endothelial cells identification, angiogenesis, and inflammation through our health

and disease states

○Takashi Minami^{1,2}

1. Div. Mol.Vasc.Biol, IRDA, Kumamoto Univ., 2. Div. Mol.Vasc.Biol., Faculty of Life Sci, Kumamoto Univ.

ABSTRACT

S46-4

Development of histone methyltransferase G9a inhibitors for the treatment of sickle cell disease

○Akihiro Ito¹

1. Tokyo Univ. Pharm. Life Sci., Sch. of Life Sci.

ABSTRACT

S46-5

Identification of epigenetic complex disrupters

○Takayoshi Suzuki¹

1. SANKEN, Osaka Univ.

ABSTRACT

S48 Young Researchers' Symposium: Exploration of the Supersulfide World from an Organochemical Perspective

S48-1

Development of a novel methodology for supersulfide synthesis via one-by-one sulfur elongation

○Tsubasa Inokuma¹

1. Grad. Sch. Pharm. Sci., Tokushima Univ.

ABSTRACT

S48-2

Rhodium-catalyzed synthesis and modification of supersulfides

○Mieko Arisawa¹

1. Fac. Agric. Kyushu Univ.

ABSTRACT

S48-3

Development of chemical tools for the photocontrol of reactive sulfur species in cells

○Kazuya Matsuo¹

1. Kyoto Institute of Technology

ABSTRACT

S48-4

Interdisciplinary research about functionalization of carbon resources by using supersulfides

○Atsushi Tahara^{1,2}, Reo Hasegawa¹, Shinji Kudo³, Takayuki Doi¹

1. Grad. Sch. Pharm. Sci., Tohoku Univ., 2. FRIS, Tohoku Univ., 3. IMCE, Kyushu Univ.

ABSTRACT

LS09 Luncheon Seminar - CAS

LS09

Introducing a New Platform for Drug Discovery Researchers

○Ravitz Orr¹

1. CAS

ABSTRACT

Oral Presentation

Numbers above abstract titles indicate day, room number, morning/afternoon and order of presentation.

Pharmaceutical Chemistry

27-09-am04

Analysis of binding proteins of a peptidic natural product yaku'amide B

○Junhao Fu¹, Koichi Kamiya¹, Kai Kitamura¹, Hiroaki Itoh¹, Kaori Sakurai², Masayuki Inoue¹
1. Grad. Sch. Pharm. Sci., The Univ. of Tokyo, 2. Grad. Sch. Engr., Tokyo Univ. of Agriculture and Tech.

ABSTRACT

27-09-am09

Generative AI-Driven Redesign of Lapatinib: A Case Study in Overcoming hERG Cardiotoxicity

○Khaled Barakat¹, Bell Tommy¹, Samiuddin Zainab¹
1. University of Alberta, College of Health Sciences, Faculty of Pharmacy and Pharmaceutical Sciences

ABSTRACT

27-14-am08

Design, Synthesis, and Biological Evaluation of Phosphorylation-inducing Chimeric Small Molecules Targeting Lysine-Specific Demethylase 1

○Chenliang Hu¹, Yuri Takada¹, Katsunori Endo¹, Yasunobu Yamashita¹, Yukihiro Itoh¹, Takayoshi Suzuki¹
1. Sanken, Osaka Univ.

ABSTRACT

27-15-am15

Conformationally Constrained Paddlewheel Dirhodium Complexes: Design, Synthesis and Applications

○Manoharan Ramasamy¹, Noda Hidetoshi¹, Shibasaki Masakatsu¹
1. Institute of Microbial Chemistry (BIKAKEN), Tokyo, Japan

ABSTRACT

27-16-am14S

Trans-selective Carboxylative Cyclization of 1,6-Dienes with the CO₂ Radical Anion

○Yan Song¹, Hiroki Hayashi^{2,3}, Saeesh R. Mangaonkar^{2,3}, Satoshi Maeda^{1,2,3}, Tsuyoshi Mita^{2,3}
1. Fac. of Sci., Hokkaido Univ., 2. WPI-ICReDD, Hokkaido University, 3. JST-ERATO

ABSTRACT

28-16-pm10

Combining Explainable Machine Learning and Computational Chemistry to Extract Chemical Insights from Catalytic Nitrene Transfer Reaction

○Ajjur Rahaman¹, Hidetoshi Noda¹, Masakatsu Shibasaki¹

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ABSTRACT

28-16-pm18

Unexpected Surprise in the Reactions of Acetals and Trialkyl silyl Chloride (R_3SiCl): Efficient Deprotection of Aromatic Acyclic Acetals

○KARUPPASAMY MUTHU¹, Ishani Wedage¹, Mohamed S. H. Salem¹, Koji Morimoto², Shinobu Takizawa¹, Hiromichi Fujioka¹

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ABSTRACT

28-17-am03

Visible-light-induced proximity labeling based on genetically encoded fluorescent proteins

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1. Frontier Research Institute of Interdisciplinary Sciences, Tohoku Univ., 2. Center for Molecular Medicine, Jichi Medical Univ., 3. School of Life Science and Technology, Institute of Science Tokyo

ABSTRACT

28-17-am04S

Development of a novel covalent inhibitor for glutaminase 1 with lysine-targeted warhead

○Xiwen Xiao¹, Hibiki Okuno¹, Saki Inoue¹, Shohei Uchinomiya¹, Akio Ojida¹

1. Grad. Sch. Pharm. Sci., Kyushu Univ.

ABSTRACT

28-17-pm13S

Synthetic study of a novel type of glycopolymer based on glycosyl boronic acids

○Yiting Tang¹, Makoto Yoritate¹, Go Hirai¹

1. Grad. Sch. Pharm. Sci., Kyushu Univ

ABSTRACT

29-04-am13S

Development of New Peptide Linkage with Benzophenone Structure via Friedel-Crafts Acylation Reaction

○HAO WU¹, Yuko Otani¹, Tomohiko Ohwada¹
1. Grad. Sch. Pharm. Sci., Tokyo Univ.

ABSTRACT

29-08-am05S

Synthetic Study for ASP2397, *N*-Acetyl-*N*-hydroxyornithine-containing Cyclic Peptide Siderophore

○Mohamed Osama¹, Atsushi Tahara^{1,2}, Kosuke Ohsawa^{1,3}, Yutong Du¹, Moeka Nagaoka¹, Kotaro Yasoshima¹, A. Ganesan⁴, Takayuki Doi¹
1. Grad. Sch. Pharm. Sci., Tohoku University, 2. FRIS, Tohoku University, 3. Fac. Pharm., Juntendo University, 4. Sch. Chem., Pharm., & Pharmacol., University of East Anglia, UK

ABSTRACT

29-09-pm11S

B(C₆F₅)₃-catalyzed Hydrosilylation of Diselenides and Subsequent Reactions with Electrophiles

○Mustapha Kobina Abeka¹, Yuki Hashimoto¹, Masaharu Sugiura¹
1. Grad. Sch. Pharm. Sci., Sojo University

ABSTRACT

29-13-pm02

Regulation of KRAS^{G12C} proteolysis by carborane-based hydrophobic tag system

○YUJIE SHAO¹, Kazuki Miura^{1,2}, Hiroyuki Nakamura^{1,2}
1. School of Life Science and Technology, Institute of Science Tokyo, 2. Laboratory for Chemistry and Life Science, Institute of Integrated Research, Institute of Science Tokyo

ABSTRACT

29-14-pm04S

Creating β -strand Peptidomimetic Structures Based on Benzanilide Amino Acid Derivatives

○Yuhe Cheng¹, Takumi Ueda², Tomohiko Ohwada¹, Yuko Otani¹
1. Grad. Sch. Pharm. Sci., the Univ. of Tokyo, 2. Grad. Sch. Pharm. Sci., Osaka Univ.

ABSTRACT

Pharmaceutical Physics

28-05-am01S

Enantiomeric separation of mandelic acid by micro-flow liquid chromatography using simple chemical derivatization

○JUI-TING CHENG¹, CHI-YU LU^{*2}

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ABSTRACT

28-05-am13

Neutrophil-mediated oxidation of anti-SARS-Cov2 drugs can produce radicals and decrease their local concentrations

○Lusine Tonoyan^{1,2}, Steven Lockhart¹, Dinesh Babu¹, Arno Siraki¹

1. Faculty of Pharmacy and Pharmaceutical Sciences, College of Health Sciences, University of Alberta, 2. Applied Pharmaceutical Innovation

ABSTRACT

Pharmaceutical Biology

27-11-pm09S

The *in vitro* Anti-cancer Effect and Mechanisms of *Artemisia argyi* Methanol and Water Extracts on Glioma Cells

○TZU-WEI LIN¹, CHIEN-JU LIN¹

1. School of Pharmacy, College of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan

ABSTRACT

27-11-pm10S

In vitro Anti-cancer Effect of Chaetoglobosin A from *Chaetomium globosum* Km1226 on Glioma Cells

○Shih-Cheng Lin¹, Chien-Ju Lin¹

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ABSTRACT

27-11-pm12S

Combination of anti-TROP2 antibody with HER3 inhibition for breast cancer therapy

○Zizhang Yu¹, Teruaki Oku¹, Fumiaki Sato^{1,2}, Yoshinori Kato¹

1. Hoshi Univ., 2. Juntendo Univ.

ABSTRACT

28-10-am04

First Cryo-EM Structure of the Membrane Protein GLRA3 at 1.82 Å Resolution

Yifan Hu¹, Wenjun Gui¹, Yihu Yang¹, Hui Shi¹, Feng Wang¹, Larry Jin¹, Jiaquan Wu¹

1. Biortus Biosciences Co. Ltd., Jiangsu, China.

ABSTRACT

28-11-pm14

The role prostaglandin EP3 receptor in the pathology of autism spectrum disorders

Kusnandar Anggadiredja¹, Christoffel Untu¹

1. Bandung Institute of Technology

ABSTRACT

Pharmaceutical Health Sciences and Environmental Toxicology

29-10-am14S

Effect of polystyrene and modified-polystyrene nanoplastics on forskolin-induced placental trophoblast syncytialization

Intan Cahaya Dani¹, Kazuma Higashisaka^{1,2,3}, Mikihiro Yoshie⁴, Kazuhiro Tamura⁴, Yuya Haga^{1,2}, Yasuo Tsutsumi^{1,3,5,6}

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ABSTRACT

Pharmaceutical Health Care and Sciences

27-04-am01S

Heterogeneous gene expression analysis of bicellular and tricellular tight junctions in the human intestinal tract

Lin Bai¹, Keisuke Tachibana¹, Sayaka Sugimura¹, Hijiri Fujioka², Wataru Kishimoto², Hiroyuki Mizuguchi^{1,3,4,5,6}, Hiroshi Nakase⁷, Masuo Kondoh¹

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ABSTRACT

27-05-am06S

Clinical Herb-Drug Interactions: A Pharmacokinetic Perspective

○Wei-Chun Wang¹, Chien-Lung Tu¹, Ching-Ling Cheng², Chen-Hsi Chou¹

1. Institute of Clinical Pharmacy and Pharmaceutical Sciences, College of Medicine, National Cheng Kung University, 2. School of Pharmacy, College of Medicine, Tzu Chi University

ABSTRACT

27-15-pm07

Synthesis and characterization of bone targeting beta-lactamase inhibitors for the treatment of bone infections.

○Michael Doschak¹, Ruikun Tang¹, Carlos A. Velazquez¹, Nathan P. Beahm¹

1. Fac. Pharmacy and Pharm. Sci., Univ. of Alberta, Canada

ABSTRACT

27-15-pm10

Removing compounds that inhibit lactobacterial activity enhances anti-colitis efficacy

○Cheng Tsai-Ying Hu¹, Meng-Shiou Lee¹, En-Yu Liu¹, Huan-Yuan Chen², Wen-Huang Peng¹, Ming-Kuem Lin¹

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ABSTRACT

27-16-pm03S

Development of PIC nanosystem as a platform to integrate oligonucleotides and proteins for vaccine applications

○Sooyeon Lee¹, Bing Jhang Li¹, Hiroshi Kamizawa¹, Teruki Nii^{1,2}, Takeshi Mori^{1,2,3}, Yoshiki Katayama^{1,2,3,4}, Akihiro Kishimura^{1,2,3,4}

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ABSTRACT

27-16-pm08S

Evaluation of distribution mechanisms of lipid nanoparticles to peritoneal dissemination via i.p. administration.

○Chongjie Zhang¹, Yui Matsumoto¹, Yutaro Chino¹, Yuta Tamemoto¹, Hiroto Hatakeyama¹

1. Grad. Sch. Pharm. Sci., Chiba Univ.

ABSTRACT

28-08-am06S

NZ-419, an endogenous antioxidant, attenuates mycotoxin-induced nephrotoxicity in human proximal tubular cells

○Ebenezer Ofori-Attah¹, Mai Hashimoto¹, Mayu Oki¹, Hisao Kansui¹, Hitoshi Maeda², Daisuke Kadowaki^{1,3}

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ABSTRACT

28-09-am06

Development of a strategy to control double-negative prostate cancer using Chb-modified PI-Polyamide

○FENG CAO¹, Tatsuya Masuda¹, Takayoshi Watanabe¹, Toshinori Ozaki¹, Yasuhiko Kamikubo¹

1. Chiba Cancer Center Research Institute

ABSTRACT

28-20-pm13

Assessment of Psychotropics and Antiepileptics Efficacy on the Management of AMPHs Dependence in Saudi Arabia: A Cross-sectional Study

○Abdullah Adnan Alhifany¹

1. Umm Al-Qura University College of Pharmacy

ABSTRACT

28-20-pm17S

Preparation and *in vivo* absorption evaluation of water-insoluble drug/guanidylated chitosan dispersions

○Nowshin Farzana Khan¹, Hideaki Nakamura¹, Tsuyoshi Ikeda¹, Hironori Izawa², Masaki Otagiri¹, Makoto Anraku¹

1. Grad. Sch. Pharm. Sci., Sojo University, 2. Grad. Sch. Engineering, Miyazaki University

ABSTRACT

Poster Presentation

Numbers above abstract titles indicate day, room number, morning/afternoon and order of presentation.

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 1

27P-am077

Bioactive natural compounds inhibit Angiotensin-Converting Enzyme activity from *Allium chinense* G. Don for Hypotensive Agent Discovery

oYun Sheng Lin^{1,2}

1. Department of Nursing, Meiho University, Pingtung, Taiwan, 2. Department of Food Science, National Pingtung University of Science and Technology, Pingtung, Taiwan

ABSTRACT

27P-am080

Inhibition of Accumulation of Neutral Lipids and Their Hydroperoxide Species in Hepatocytes by Bioactive *Allium sativum* Extract

oDya Fita Dibwe¹, Saki Oba², Satomi Monde², Shu-Ping Hui¹

1. Faculty of Health Sciences, Hokkaido University, 2. Grad. Sch. Health Sci., Hokkaido University

ABSTRACT

27P-am084

A potential new cholinesterase inhibitor from *Verbascum uschakense* (Murb.) Hub.-Mor.: *In vitro* and *in silico* evaluation

Rabia Sena Mindiz¹, Gulacti Topcu², Didem Sohretoglu¹, Suat Sari³, Mehmet Ufuk Ozbek⁴, oCigdem Kahraman^{1,5}

1. Department of Pharmacognosy, Faculty of Pharmacy, Hacettepe University, Ankara, Türkiye, 2. Department of Pharmacognosy, Faculty of Pharmacy, Bezmialem Vakif University, Istanbul, Türkiye, 3. Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Hacettepe University, Ankara, Türkiye, 4. Department of Biology, Faculty of Science, Gazi University, Ankara, Türkiye, 5. Department of Pharmacognosy and Phytochemistry, Meiji Pharmaceutical University, Tokyo, Japan

ABSTRACT

27P-am093

The ethanolic extract of Ephedra Herb inhibits protein disulfide isomerase in human lung cancer A549 cells

oCHIN-CHUNG WU¹, Yu-Lin Lee¹, Yuan-Bin Cheng²

1. Graduate Institute of Natural Products, Kaohsiung Medical University, 2. Department of Marine Biotechnology and Resources, National Sun Yat-Sen University

ABSTRACT

27P-am095

Components Differences Between *Cnidium monnieri* and *Cnidium monnieri* var. *formosanum*

oLIH GEENG CHEN¹, YU-HSUAN HSU¹, SZU-HAN HUANG¹

1. Dept. Microbiol. Immunol. Biopharm., National Chiayi University

ABSTRACT

27P-am100

Evaluation of anticancer effects of *Annona muricata* leaf extracts on four cancer cell lines and potential delivery via nanoparticulate carriers

oSomnuk Bunsupa¹, Jiraphong Suksiriworapong¹, Chadatip Pattarapiboonpong¹, Yanisa Sutjaporn¹, Kanokporn Damrongrak¹, Kiattiphant Kloysawat¹, Pornpatsorn Lertphadungkit¹, Amaraporn Wongrakpanich¹, Krisada Sakchaisri¹

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ABSTRACT

27P-am106

Inhibition of sterol O-acyltransferase (SOAT) by acyloin derivatives

oElyza Aiman Azizah Nur¹, Lijun Ning¹, Naoyuki Shimada², Hiroshi Tomoda¹, Taichi Ohshiro¹

1. Grad. Sch. Pharm. Sci., Kitasato University, 2. Dept. Chem. Inst. Nat. Sci., Nihon University

ABSTRACT

27P-am110

Effects of *Citrus grandis* Osbeck cv. Matou Wentan peel extracts on the formation of uric acid in hyperuricemia cell model

oJinYu Lee¹, Yih Ho¹, JenAi Lee¹

1. School of Pharmacy, College of Pharmacy, Taipei Medical University, Taipei, Taiwan

ABSTRACT

Pharmaceutical Chemistry: Organic Chemistry 1

27P-am066S

Development of alkynylated purine-pyridone unnatural base pairs

oWenjue Fan^{1,2}, Hidenori Okamura^{1,2}, Zhuoxin Dong^{1,2}, Giang Hoang Trinh^{1,2}, Fumi Nagatsugi^{1,2}

1. IMRAM, Tohoku Univ., 2. Grad. Sch. Sci., Tohoku Univ.

ABSTRACT

Pharmaceutical Chemistry: Medicinal Chemistry, bioactive materials 1

27P-am121

Targeting pancreatic cancer with novel nicotianamide C derivatives: molecular mechanism, *in vitro* and *in vivo* evaluation

o Suresh Awale¹, Takeyoshi Yamazaki², Nguyen Duy Phan², Juthamart Maneenet¹, Tsutomu Fujii², Takuya Okada³, Naoki Toyooka³

1. Institute of Natural Medicine, University of Toyama, 2. Department of Surgery and Science, University of Toyama, 3. Faculty of Engineering, University of Toyama

ABSTRACT

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 2

27P-pm081

Molecular networking approach for chemical components discovery and bio-evaluation of *Mahonia oiwakensis*

o Hui-Chun Wang¹, Pin-Wei Chen¹

1. Graduate Institute of Natural Products, Kaohsiung Medical University

ABSTRACT

27P-pm085

Eco-friendly and efficient extraction of pentacyclic triterpenoids from *Centella asiatica* leaves using ionic liquid-assisted techniques

Jiraporn Leanpolchareanchai¹, Jakaphun Julsrigival², o Nantana Nuchtavorn³

1. Department of Pharmacy, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand ,
2. Department of Pharmaceutical Sciences, Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand, 3. Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand

ABSTRACT

27P-pm090

DNA Barcoding integrated with Sequenom iPLEX MassARRAY: Distinguishing Red Leadwort (*Plumbago indica* L.), a Vital Thai Herbal Medicine, from Related Species

o Aekkhaluck Intharuksa¹, Kannika Thongkhao², Ampai Phrutivorapongkul¹

1. Department of Pharmaceutical Sciences, Faculty of Pharmacy, Chiang Mai University, Chiang Mai, Thailand, 2. School of Languages and General Education, Walailak University, Nakhon Si Thammarat, Thailand

ABSTRACT

27P-pm109S

Comparison of in vitro antioxidant properties of different extraction methods of *Cuscuta chinensis*

○CHIA-YING TAI¹, Hsuan Fu², Tzu-Hui Wu³, Feng-Lin Yen¹

1. Department of Fragrance and Cosmetic Science, College of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan., 2. Doctoral Degree Program in Toxicology, College of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan., 3. Department of Pharmacy and Master Program, Collage of Pharmacy and Health Care, Tajen University, Pingtung, Taiwan.

ABSTRACT

27P-pm126

Structures of Polyacetoxymbriaranes Extracted from the Sea Whip Octocoral *Junceella fragilis*.

○You-Ying Chen¹, Hai Nhat Do^{2,1}, Chih-Yin Huang^{3,4}, Su-Ying Chien⁵, Li-Guo Zheng¹, Yun-Ting Zeng^{1,2}, Jui-Hsin Su¹, Zhi-Hong Wen¹, Yu-Chia Chang⁶, Ping- Jyun Sung^{1,2,7,8,9}

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ABSTRACT

Pharmaceutical Chemistry: Medicinal Chemistry, bioactive materials 2

27P-pm159

C2-trimethoxyphenoxy chromone derivatives exhibited lipid-lowering effects via lipophagy pathway

Yi-Han Chang¹, Ming-Yu Tsai¹, Yun-Wen Chen², ○Hsin-Yi Hung¹

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ABSTRACT

27P-pm160

Discovery of novel coumarin triazolyl and phenoxyphenyl triazolyl derivatives as anti-neurodegenerative agents.

○Satsawat Visansirikul^{1,2}, Suthira Yanaso³, Yingrak Boondam Chuayboon^{4,5}, Kanjanawadee

Prasittisa⁶, Bromptoj Prutthiwanasan^{1,2}, Sumet Chongruchiroj^{7,8}, Kittisak Sripha^{1,2}

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ABSTRACT

27P-pm174

Chemical profile and bioactivities of microwave-assisted hydro-distillation extract from clove buds (*Syzygium aromaticum* L.)

oYU-CHUN LIN¹, CHIN-CHUNG WU¹

1. Graduate Institute of Natural Products, College of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan

ABSTRACT

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 3

28P-am100S

Chemical Constituents from an Oyster-derived Fungus *Westerdykella dispersa* Ca4-13

oShu Jung Huang¹, Su-Jung Hsu¹, George Hsiao², Tzong Huei Lee¹

1. National Taiwan University, 2. Taipei Medical University

ABSTRACT

28P-am104

Sarsolenane, capnosane and cembrane diterpenes from the soft coral *Sarcophyton* sp.

oJui-Hsin Su¹, You-Ying Chen¹, Jing-Ru Weng², Chun-Lin Chen³

1. National Museum of Marine Biology and Aquarium, Taiwan, 2. Department of Marine Biotechnology and Resources, National Sun Yat-sen University, Taiwan, 3. Department of Biological Sciences, National Sun Yat-sen University, Taiwan

ABSTRACT

28P-am107

Chemical Constituents from the seeds of *Benincasa hispida*

Kun-Ching Cheng¹, Ping-Chung Kuo², Yu-Hsiu Chuang³, Yuh-Fung Chen⁴, Jai-Sing Yang⁵,

oTian-Shung Wu²

1. Taiwan Sugar Research Institute, Tainan, Taiwan, 2. School of Pharmacy, College of Medicine, National Cheng Kung University, Tainan, Taiwan, 3. Department of Chemistry, National Cheng Kung University, Tainan, Taiwan, 4. Department of Pharmacology, China Medical University, Taichung, Taiwan, 5. Department of Medical Research, China Medical University Hospital, China Medical University, Taichung, Taiwan

ABSTRACT

28P-am108

Studies on Constituent Analysis, and Anticancer Screening of *Lobophytum* sp. in Medicinal Coral Germplasm Bank and Separation of 13-Acetoxy sarcocrassolide

Shang-Yi Tu^{1,5}, Yu-Hsuan Lin¹, Tsen-Ni Tsai^{1,2}, Szu-Hsiang Tsai¹, Yi-Chang Liu², Yu-Ming Hsu³, Ying-Chi Du⁴, Fang-Rong Chang⁵, ○Mei-Chin Lu¹

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ABSTRACT

28P-am109

Study on briarane-type diterpenoids from the Okinawa soft coral *Briareum stechei*

○Yuewen Chuang^{1,2}, You-Ying Chen², Ping-Jyun Sung^{1,2}

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ABSTRACT

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 3

28P-am110

Study on the secondary metabolites from the sponge *Lendenfeldia* sp. and its symbiotic microorganisms

○Yun-Ting Zeng^{1,2}, Li-Guo Zheng^{1,3}, You-Ying Chen¹, Ping-Jyun Sung¹

1. National Museum of Marine Biology and Aquarium, Pingtung, Taiwan, 2. Department of Marine Biotechnology and Resources, National Sun Yat-sen University, Kaohsiung, Taiwan, 3. Doctoral Degree Program in Marine Biotechnology, National Sun Yat-sen University, Kaohsiung, Taiwan

ABSTRACT

28P-am111

Chemical Constituents and Anti-cancer Activity from the Soft Coral of

Lobophytum catalai

oYu-Chia Chang^{1,2}, Ngoc-Thac Pham³, Po-Jen Chen⁴

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ABSTRACT

28P-am133S

Two chlorophylls with anti-lipid droplet accumulation activity from *Anredera cordifolia*

oJu-Hsin Cheng¹, Ho-Cheng Wu¹, Chia-Hung Yen^{2,3}, Andrea Gu⁴, Hsun-Shuo Chang^{1,3}

1. School of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan, 2. Graduate Institute of Natural Products, Kaohsiung Medical University, Kaohsiung, Taiwan, 3. Drug Development and Value Creation Research Center, Kaohsiung Medical University, Kaohsiung, Taiwan, 4. Institute of Fisheries Science, National Taiwan University, Taipei, Taiwan

ABSTRACT

28P-am134S

Flavonoid-sesquiterpenoid hybrids and their anti-inflammatory activities from the leaves of *Syzygium simile*

oYu-Chun Lin¹, Tsong-Long Hwang², Yueh-Hsiung Kuo^{3,4}, Chia-Hung Yen^{5,6}, Ching-Ju Yang^{1,7}, Hsun-Shuo Chang^{1,6}

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ABSTRACT

28P-am135

GNPS based phytochemical investigation of *Hippocampus* species and evaluation of their bioactivity

oHui-Chi Huang³, Pei-Tzu Tsai¹, Chih-Hsuan Jao¹, Chia-Ching Liaw², Meng-Shiou Lee¹

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ABSTRACT

28P-am139S

Acetogenins from a marine medicinal brown alga-derived fungal strain *Hypomontagnella monticulosa* SC1047

oHsiaoyang Hsi¹, George Hsiao^{2,3}, ShihWei Wang^{4,5,6}, ShuJung Huang¹, TzongHuei Lee^{1,7}

1. Institute of Fisheries Science, College of Life Science, National Taiwan University, 2. Department of Pharmacology, School of Medicine, College of Medicine, Taipei Medical University, 3. Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University, 4. Institute of Biomedical Sciences, MacKay Medical College, 5. Department of Medicine, MacKay Medical College, 6. Graduate Institute of Natural Products, College of Pharmacy, Kaohsiung Medical University, 7. Department of Life Science, College of Life Science, National Taiwan University

ABSTRACT

28P-am140

Bioactivity-based molecular networking-guided exploration of anti-inflammatory constituents from *Scaevola taccada* leaves

Mo-Yen Hsu¹, Ho-Cheng Wu¹, Tsong-Long Hwang², Andrea Gu³, oHsun-Shuo Chang^{1,4}

1. School of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan, 2. Chang Gung University of Science and Technology, Taoyuan, Taiwan, 3. Institute of Fisheries Science, National Taiwan University, Taipei, Taiwan, 4. Drug Development and Value Creation Research Center, Kaohsiung Medical University, Kaohsiung, Taiwan

ABSTRACT

28P-am153

Exploration and *in silico* analysis of bioactive components from *Rhamnus formosana* for antioxidant, anti- α -glucosidase, and anti-acetylcholinesterase activities

oSin-Min Li¹, Ya-Lun Liou¹, Chia-Hsuan Tsai², Jih-Jung Chen^{1,3,4}

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ABSTRACT

28P-am155S

Antioxidant and Anti-inflammatory Activities of Solvent Extracts and Major Bioactive Components from *Polygonum aviculare*

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ABSTRACT

Pharmaceutical Chemistry: Organic Chemistry 3

28P-am065

Dynamic Kinetic Asymmetric Transformation of Racemic Diastereomer Mixtures: Diastereo- and Enantioselective Synthesis of Spirooxindoles

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ABSTRACT

Pharmaceutical Chemistry: Medicinal Chemistry, bioactive materials 3

28P-am172S

Effect of Alkyl Side Chain Length of MPBD and DQ on *Dictyostellium discoideum* Cell Aggregation and Antibacterial Activity

oTitah Aldila Budiastanti¹, Salma Zulqaida¹, Natsuki Ichihara¹, Tamao Saito², Yoshiaki Takaya¹

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ABSTRACT

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 4

28P-pm041

Exploring the chemical diversity of *Penicillium sclerotiorum* through OSMAC approaches

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ABSTRACT

28P-pm048

Briarane Diterpenes from *Briareum stechei*: Potential Anti-Inflammatory Agents from Closed Aquaculture Systems

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1. PhD Program in Clinical Drug Development of Herbal Medicine, College of Pharmacy, Taipei Medical University, 2. Research Center for Chinese Herbal Medicine, College of Human Ecology, Chang Gung University of Science and Technology, 3. Graduate Institute of Pharmacognosy, College of Pharmacy, Taipei Medical University

ABSTRACT

Pharmaceutical Chemistry: Pharmacognosy and Natural Products Chemistry 4

28P-pm056

Specialized Dihydrophenanthrenes from *Pholidota chinensis* Mitigate Neutrophilic Inflammation and Colorectal Cancer

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ABSTRACT

28P-pm057

Dimeric benzopyrans from *Melicope pteleifolia*

oPing-Chung Kuo¹, Mei-Ling Wang¹, Tian-Shung Wu¹

1. School of Pharmacy, College of Medicine, National Cheng Kung University, Tainan, Taiwan

ABSTRACT

28P-pm058

The protective effect of traditional Chinese medicine Kochiae Fructus (Di Fu Zi) on oxidative stress-associated retinal pigment epithelial cell death

Pei-Yi Chu^{1,2,3}, Jian-Sheng Wu^{5,6}, Chia-Lin Lee^{1,7}, oYang-Chang Wu^{1,2,3,4}

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ABSTRACT

28P-pm076

Isolation of an Allelochemical from *Juglans mandshurica* Maxim. through Bioassay-Guided Fractionation and its Transcriptomic Impact on Plants

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ABSTRACT

28P-pm078

Cinnamophilin: A Novel Tyrosinase Inhibitor Optimized via Molecular Docking and Self-Nanoemulsifying Drug Delivery System for Enhanced Topical Efficacy

oHrong-Huey Ko^{1,2,3}, Yu-Chen Chen¹, Hsun-Shuo Chang^{1,2}, Yu-Tse Wu¹

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ABSTRACT

Pharmaceutical Chemistry: Organic Chemistry 4

28P-pm034S

Development of catalytic γ -position-selective formal aldol condensation reactions of β -ketophosphonates with aldehydes to afford γ,δ -unsaturated β -ketophosphonates

oJames Osborne¹, Fujie Tanaka¹

1. Okinawa Institute of Science and Technology Graduate University

ABSTRACT

28P-pm039

Synthetic studies of libraries of polymers and assays for their anticancer effects.

oSatomi Niwayama¹, Tatiana Barsukova¹, Dileep Kommula¹

1. Muroran Institute of Technology

ABSTRACT

Pharmaceutical Chemistry: Medicinal Chemistry, bioactive materials 4

28P-pm079S

Chemoenzymatic incorporation of modified nucleosides into plasmids toward gene expression control

oNadya Syahla Soemawisastra^{1,2}, Hidenori Okamura^{1,2}, Takeyuki Yao^{1,2}, Fumi Nagatsugi^{1,2}

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ABSTRACT

Pharmaceutical Chemistry: Medicinal Chemistry, bioactive materials 5

29P-024

Purification of In Vitro Transcription mRNA by Ion-Pair HPLC Using Macroporous Resin: Removal of Double-Stranded RNA Impurities

oMichelle Rakotondravao¹, Yuki Higuchi¹, Akinari Awatani^{1,2}, Takashi Sekida², Taeko Nakajima¹

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ABSTRACT

Pharmaceutical Physics: Informatics, Computational chemistry

27P-pm182

Exploring the therapeutic potential of *Cuscuta chinensis* seeds: A network pharmacology approach

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ABSTRACT

Pharmaceutical Physics: Mass spectrometry, Biophysics

28P-am185S

Comprehensive detection of edible oil-induced DNA adducts using DNA adductomics approach

oTing-Yu Lin¹, Yang Chen¹, Jyun Hu², Yan-Jhen Lin², Yuan-Jhe Chang², Mu-Rong Chao², Chiung-Wen Hu¹

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ABSTRACT

Pharmaceutical Physics: Mass spectrometry, Biophysics

28P-am187S

Detection of Cisplatin-DNA Adducts and Crosslinks by LC-MS/MS

oPei-Yu Ling¹, Jyun Hu¹, Po-Cheng Shao¹, Yuan-Jhe Chang¹, Hsueh-Ju Lu², Chiung-Wen Hu³, Mu-Rong Chao¹

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ABSTRACT

28P-am242

Preparation and evaluation of pH-responsive hydrogels beads based for drug controlled delivery

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1. Kaohsiung Medical University

ABSTRACT

Pharmaceutical Biology: Evaluation of drug efficacy and safety,
Chemotherapeutic agents, Kampo medicines, Others

27P-am217

The pharmacological mechanism of bufadienolides for the treatment of luminal-type non-muscle invasive bladder cancer

Chih-Chieh Tu^{1,2}, Mei-Chuan Chen³, ○Chun-Han Chen^{1,2}

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ABSTRACT

27P-am219

Cisplatin regulates the growth of cancer via PKM2 signaling

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ABSTRACT

27P-am223

Study of the *in vitro* anti-cancer effect of altersolanol A, the secondary metabolite of *Stemphylium lycopersici*

○Chien-Ju Lin¹

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ABSTRACT

27P-am224

Stelletin B inhibits VEGF-induced angiogenesis in human endothelial progenitor cells *in vitro* and *in vivo*

oShih-Wei Wang^{1,2}, Juei-Yu Yen^{1,2}, Jyh-Horng Sheu³

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ABSTRACT

Pharmaceutical Biology: Biomolecules

27P-am336

Fluoroquinolones inhibit TGF- β -induced Lysyl Oxidase production via JNK/AP-1 pathway in tendon cells.

oShuen-Chiu Wu¹

1. National Sun Yat-sen University

ABSTRACT

27P-am362

Exploring the Power of Structural Biology on Degradation Discovery

oYifan Hu¹, Wang Cheng¹, Hui Shi¹, Feng Wang¹, Larry Jin¹, Jiaquan Wu¹

1. Biortus Biosciences Co. Ltd., Jiangyin, Jiangsu, China.

ABSTRACT

Pharmaceutical Biology: Inflammation and immune system

27P-pm262

The best bioactive extract of *Kalanchoe laetivirens* Descoings for treating lung cancer and inflammation

oMing-Kuem Lin¹, Chao-Yuan Hsu¹, Chia-Min Peng¹, Meng-Shiou Lee¹

1. Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources

ABSTRACT

27P-pm268

Honey-Processed the bark of Mulberry Root for Anti-inflammatory and Anti-pulmonary Fibrosis Potential: Impact of Cork Layer Remove

oYI-YING LIN¹, Che-Chun Lin², Chia-Jung Lee³, Ching-Chiung Wang^{1,2,3}

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ABSTRACT

27P-pm269

Zingiber zerumbet Extract alleviated Osteoarthritis: From Network Pharmacology to In Vivo Efficacy

oWei-Hsuan Su¹, Che-Chun Lin², Muhammad Riki Shindi Praristiya², Chia-Jung Lee^{1,2,3}, Ching-Chiung Wang^{1,2,3}

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ABSTRACT

**Pharmaceutical Biology: Organ systems, Blood and hematopoietic system,
Skeletal muscles and smooth muscles, Bones and joints,
Skins and sensory organs, Endocrine and metabolic systems**

27P-pm246

The antiplatelet effect of a novel inhibitor of protein disulfide isomerase

oTing-Yu Wang¹, Wei-Jan Huang², Chin-Chung Wu¹

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ABSTRACT

Pharmaceutical Biology: Structures and functions of cells

27P-pm335S

Study of the molecular mechanisms of a novel protein disulfide isomerase inhibitor on inhibiting multiple myeloma cell proliferation

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ABSTRACT

Pharmaceutical Biology: Bacteriology, Mycology, Parasitology

28P-am249S

Taxonomic study of actinomycetes from Mongolia and assessment of biological activities of their metabolites

oYuxi Tian¹, Momoko Ando¹, Ryo Yamaguchi¹, Sod-Erdene Chimeddeleg², Davaapurev Bech-Ochir², Yohei Iizaka¹, Batkhoo Javzan², Yojiro Anzai¹

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ABSTRACT

Pharmaceutical Biology: Anatomy and physiology

28P-pm227S

Establishment of SLE patient-like neutrophils in vitro with focus on BAFF expression and NETs formation

○Zirui Zeng¹, Yasuhiro Yoshida², Koshiro Sonomoto³, Duo Wang⁴, Yoshiya Tanaka¹

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ABSTRACT

Pharmaceutical Biology: Evaluation of drug efficacy and safety, Chemotherapeutic agents, Kampo medicines, Others

28P-pm164

Protein-Protein Interaction Blocker from Herbal Medicines- Polysaccharides from *Ligustrum lucidum* with Selectively Inhibitory Effect on Podoplanin-induced Platelet Aggregation

Yu-Ling Huang¹, ○Pei-Wen Hsieh^{1,2,3}

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ABSTRACT

28P-pm172

Mechanistic Investigation of a 2-Aminophenyl Chromone Derivative as a Selective Anti-Neoplastic Agent Targeting Multidrug-Resistant Cancer Cells

○Yi-Han Chang^{1,2}, Hsin-Yi Hung¹, Ching-Hui Su², Po-Yu Chien^{2,3}, Chin-Chuan Hung^{2,3}

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ABSTRACT

28P-pm185

Influence of Sorafenib on Gd-EOB-DTPA Uptake: An experimental study using DCE-MRI

oDong-Cheol Woo^{1,2}, Yeon Ji Chae^{1,2}, Do-Wan Lee³, Chul-Woong Woo², Yu Sub Sung^{1,2}, Eunyong Tak¹, Chang Hoon Ha¹, Jin Kyung Roh¹, In-jeong Baek^{1,2}, Chan-Gi Pack^{1,2}, Hwon Heo², Kyung Won Kim³, Jeong Kon Kim³, Yoonseok Choi⁴

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ABSTRACT

Pharmaceutical Biology: Genes and genetic information

28P-pm311

Effects of ADAR2 in Metabolic Dysfunction-Associated Steatohepatitis (MASH) progression

Tzu-Chi Hung¹, oYun-Wen Chen¹

1. National Cheng Kung University

ABSTRACT

Pharmaceutical Biology: Inflammation and immune system

29P-073

The anti-inflammatory effect of a newly synthetic chalcone derivative in human vascular endothelial cells

oTien Lee¹, Chih-Hua Tseng², Chin-Chung Wu¹

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ABSTRACT

29P-074

Preventing diabetic endothelial dysfunction with a novel flavonol which has protease-activated receptor 4 inhibitor and antioxidant activities

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ABSTRACT

Pharmaceutical Biology: Bacteriology, Mycology, Parasitology

29P-091

Utilizing of Carboxylate-Dialdehyde Cellulose as a Component in

Composite Thin Films for an Antibacterial Material against Drug Resistant Pathogen.

oSastra Yuantrakul¹, Kwanjit Duangsonk¹, Pensak Jantrawut², Tanpong Chaiwarit²

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ABSTRACT

Pharmaceutical Biology: Intracellular signaling

29P-143

The fourth-generation EGFR inhibitor BLU-945 overcomes cancer multidrug resistance by inhibiting the drug efflux activity of ABCG2

oChung-Pu Wu^{1,2,3,4}, Bing-Huan Lin¹, Yen-Ching Li¹, Megumi Murakami⁵, Suresh V Ambudkar⁵

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ABSTRACT

Pharmaceutical Health Sciences and Environmental Toxicology:

Forensic Toxicology/ Lifestyle-related diseases/ Infection diseases/ Food poisoning

27P-pm366

Comparison of column-based RNA isolation methods for microarray applications using *Aedes albopictus* mosquitoes

oParinya Wilai¹, Rie Mukai¹, Daisuke Sakamoto¹, Keiichi Irie¹, Nobuhiro Kashige¹, Tomomitsu Satho¹

1. Pharm. Sci., Fukuoka Univ.

ABSTRACT

27P-pm370

Leakage of blood components in the early phase of ischemic stroke pathogenesis

oHiroshi Hasegawa¹, Mari Kondo¹, Masumi Okuda¹, Kei Nakayama¹, Eri Segi-Nishida²

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ABSTRACT

Pharmaceutical Health Sciences and Environmental Toxicology:
Metal toxicology/ Air pollution

28P-pm368S

***In vitro* evaluation on the safety and anti-pollution effect of *Clitoria ternatea* L. flower extracts in keratinocytes**

oHsuan Fu¹, Chun-Yin Yang², Feng-Lin Yen³

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ABSTRACT

28P-pm369S

The water solubility, skin permeability, antipollution activity of luteolin nanofibers

oSi-Ting Chen¹, Tzu-Hui Wu², Feng-Lin Yen¹, Hsuan Fu³

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ABSTRACT

28P-pm372S

***In vitro* anti-PM and cosmetic dosage form development of Compound A on human keratinocytes**

oYu-Hsuan Su¹, Tzu-Hui Wu², Pamela Berilyn So¹, Feng-Lin Yen¹, Hsuan Fu³

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ABSTRACT

Pharmaceutical Health Care and Sciences:
Social pharmacy/Pharmacoepidemiology, Health economics/Pathophysiology
(Pathological models, Pharmacological activity, Others)

27P-am513

Economic burden and catastrophic costs in tuberculosis patients and their households in Thailand

oSitaporn Youngkong^{1,2}, Phalin Kamolwat³, Phichet Wongrot⁴, Montarat Thavorncharoensap^{1,2}, Usa Chaikledkaew^{1,2}, Sriprapa Nateniyom³, Petchawan Pungrassami³, Naiyana Praditsitthikorn⁵, Surakameth Mahasirimongkol⁶, Jiraphun Jittikoon⁷, Nobuyuki Nishikiori⁸, Ines Garcia Baena⁸, Takuya Yamanaka^{8,9,10}

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ABSTRACT

Pharmaceutical Health Care and Sciences:
Absorption/Transporters/ADME, PK/PD, Drug interaction/
Formulation and manufacturing of drugs /Drug delivery system in therapy/Others

28P-am418

Triphenylphosphonium-polyethylene glycol-conjugated cholesterol-grafted poly(glycerol adipate) nanoparticles for enhanced delivery of curcumin to cancer cells

Amaraporn Wongrakpanich¹, Huong Bui Thi Thu², Krisada Sakchasri³, Vincenzo Taresco⁴, Valentina Cuzzucoli Crucitti⁵, Somnuk Bunsupa⁶, oJiraphong Suksiriworapong¹

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ABSTRACT

28P-am419

Development of mesoporous bioactive glass containing strontium/thymol for the treatment of osteomyelitis of the jaw

oChi-Jen Shih^{1,5,6}, Yung-Chien Ko¹, Jung-Chang Kung^{2,3,4}

1. Department of Fragrance and Cosmetic Science, College of Pharmacy, Kaohsiung Medical University, 2. School of Dentistry, College of Dental Medicine, Kaohsiung Medical University, 3. Division of Family Dentistry, Kaohsiung Medical University Hospital, 4. Department of Clinical Dentistry, Kaohsiung Medical University Hospital, 5. Drug Development and Value Creation Research Center, Kaohsiung Medical University, 6. Department of Medical Research, Kaohsiung Medical University Hospital

ABSTRACT

28P-am422

Development of physically and chemically stable azathioprine extemporaneous suspensions

◦Jiraporn Leanpolchareanchai¹, Janechana Payomhol¹, Supachai Kanyook¹, Jiraphong Suksiriworapong¹, Monwarat Laohajeeraphan², Vimonkarn Sirisuksan²

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ABSTRACT

28P-am423

Development of co-processed rice starch-Eudragit L100-HPMC as a direct compressible excipient for controlled release of tablets

◦Karnkamol Trisopon¹, Niyata Suwangerd¹, Runchana Sriwanlapanon¹, Phennapha Saokham¹

1. Department of Pharmaceutical Science, Faculty of Pharmacy, Chiang Mai University

ABSTRACT

28P-am425

Characterization of subzero glass transition drug-loaded immiscible polymer blends with prepared via spin coating and hot melt extrusion

◦Pratchaya Tipduangta¹, Peter Belton², Phennapha Saokham¹, Sheng Qi³

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ABSTRACT

28P-am427

Development of Transferosome-Based Delivery System for Enhanced Skin Permeation of Puerarin from *Pueraria mirifica* Extract

◦Pimpak Phumat¹, Onusa Thamsermsang¹, Goekpon Yoocharoen¹, Pimnipa Lorrunglerd¹, Songkaseam Padungkit¹

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ABSTRACT

28P-am431

The efficacy of investigational drug service management at a hospital in Taiwan

◦Chang-Ming Chen¹

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ABSTRACT

**Pharmaceutical Health Care and Sciences: Formulation Design/Manufacturing,
Testing/Stability of Pharmaceutical Preparations, Novel Dosage Forms,
Development of New Drugs and New Dosage Forms**

29PA-324

**Development of a Topical Thin Film Drug Delivery System Using
Dialdehyde Cellulose**

oTanpong Chaiwarit¹, Pensak Jantrawut^{1,2}, Kanokpon Chompusri¹, Papawee Srisanong¹

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Center of Excellence in Agro Bio-Circular-Green Industry (Agro BCG), Chiang Mai University

ABSTRACT

**Pharmaceutical Health Care and Sciences: Pathophysiology
(Cancer, Pharmacological activity, Others)**

29PA-516S

**Analysis of PSMA expression stability and heterogeneity in CRPC cells:
Challenges and insights into cell competition and metastatic potential.**

oMasafumi Maruo^{1,2}, Yasutaka Yamada¹, Shinichi Sakamoto¹, Ayuko Hoshino², Tomohiko
Ichikawa¹

1. Grad. Sch. Med., Chiba Univ., 2. RCAST, Tokyo Univ.

ABSTRACT

**Pharmaceutical Health Care and Sciences: Absorption/Transporters/Distribution
and excretion & middot; Metabolism/ADME, PK/PD, Drug interaction**

29PA-172

**Comprehensive prediction of in vivo absorption of marker compounds
from the liver surface by in vitro study based on dialysis membrane
permeation**

oKoyo Nishida¹, Yuan Fei¹, Ayaka Torigoe¹, Nao Mitsudome¹, Jia Zhou¹, Hirotaka Miyamoto¹,
Shintaro Fumoto¹

1. Grad. Sch. Biomed. Sci., Nagasaki Univ.

ABSTRACT

29PA-180S

Baicalein nanostructured lipid carriers in cosmetic applications and bioactivity research

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ABSTRACT

29PA-214S

Development of a microdialysis coupled with the LC-MS/MS system for the pharmacokinetics of anti-monkeypox drug tecovirimat

oLi-Wen Wang¹, Chung-Kai Sun¹, Yen-Ying Kung^{1,2}, Shih-Hwa Chiou^{3,4}, Tung-Hu Tsai¹

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ABSTRACT

Pharmaceutical Health Care and Sciences: Drug delivery system in therapy/Genetic drug delivery system/Formulation and manufacturing of drugs (Solid & middot; Semi-solid & middot; Liquid dosage form)

29PA-318S

Investigation of nanostructure of the stratum corneum for development of transdermal formulation

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ABSTRACT

29PB-303S

3D Printed Hydrogel Scaffold Loaded with Silver Nanoparticles for Localized Photothermal Therapy in Melanoma

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ABSTRACT

29PB-317S

Characterizations, in vitro skin penetration, antioxidant activity:

piceatannol nanoparticles using physical and chemical technology

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ABSTRACT

**Pharmaceutical Health Care and Sciences:
ADME, PK/PD ,Drug interaction/Controlled release & middot;
Targeting/Drug delivery system in therapy/Others**

29PA-218S

Develop a microdialysis coupled with a UHPLC system for the pharmacokinetics and placenta transfer of the anti-monkeypox drug cidofovir in rats

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ABSTRACT

29PA-220

On the Pharmacokinetic Drug-Drug Interactions of Nemonoxacin in Rats

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ABSTRACT

29PA-262S

β -Carotene-loaded casein nanoparticles as a strategy to improve oral absorption and mitigate muscle atrophy

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ABSTRACT

29PB-219S

Microdialysis coupled with UHPLC-MS/MS for biotransformation and

pharmacokinetics of oseltamivir in rat blood and brain

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ABSTRACT

29PB-237

Engineered lipoprotein nanocarrier for lung-targeted drug delivery.

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ABSTRACT

29PB-253

Clerodendrum chinense stem extract and nanoparticles: Effects on proliferation, apoptosis, cell cycle arrest, and mitochondrial membrane potential in breast cancer cells

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ABSTRACT

29PB-261S

Study on the physicochemical properties and anti-melanoma activity of Bakuchiol transethosomes

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ABSTRACT

29PB-265

Preparation, physicochemical characterizations, in vitro skin penetration and antioxidant activity: Polydatin nanoparticles

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ABSTRACT

Others

27P-pm524

Application of Narrative Medicine and parallel medical records in pharmaceutical care clinic teaching

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ABSTRACT

28P-pm493

Using AI to enhance critical thinking in year 4 pharmacy students in Thailand through e-cigarette discussions

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ABSTRACT

28P-pm506

28-Day Repeated-Dose Oral Toxicity Assessment of *Toona sinensis* Extract in Rats

oYi-Hong Tsai¹, Yu-Min Ko¹, Chin-Chung Wu², Hui-Chun Wang², En-Liang Chu⁴, Ming-Lun Yeh³, Szu-Yin Yu², Chiung-Hui Liu¹, Hao-Chun Hu^{1,5}, I-Min Liu¹, Chia-Jou Fang¹, Yi-Ting Chen¹, Yu-Hsin Wu¹, Zhi-Yu Li¹, Ju-Fei Juffy Tsai¹, Tung-Yin Wu⁶, Jia-Dong Yang^{*4}, Ming-Lung Yu^{*3}, Fang-Rong Chang^{*2}

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ABSTRACT

28P-pm511

A Case Report of Statin-Induced Immune-Mediated Myopathy

oPO-CHIA CHEN¹, Wan Man Chan¹, Tzu-Rong Peng¹, Min-Gin Tsai¹

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28P-pm512

A recent systematic review and meta-analysis on the efficacy of N-acetylcysteine in depression

○Chia-Yu Lin^{1,2}, Tzu-Rong Peng^{1,3}, Ming-Chia Lee^{1,4}, Pei-Yun Tsai¹, Pin-Hao Huang¹, Bi-Li Chen^{1,2}, Jen-Ai Lee¹, Shih-Ming Chen¹

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ABSTRACT

28P-am541

A Study on the career adaptation and development barriers of undergraduate students in school of pharmacy in Taiwan

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ABSTRACT