

Fall Meeting
of Cooperative Research Center of Life Sciences,
Kobe Gakuin University

Date : 10th Sep., 2009
Place : Lobby of Building C and LSC Conference
Room, Port Island Campus, Kobe Gakuin
University
Minatojima 1-1-3, Chuo-ku, Kobe 650-8586,
Japan TEL: 078-974-1551
Sponsor : LSC
Support : Laboratory of Pharmaceutics and Drug
Delivery, KGU

Program

- 9:30~10:00 Registration and poster setting
- 10:00~10:05 Opening remarks Tadanori Mayumi, Director of LSC, Prof., KGU
- 10:05~11:05 [Invited 1] Chairperson : Tadanori Mayumi
Chemical Constituents and Biological Evaluations of *Inula helenium* and *Entada phaseoloides*
Xiaobo Li, Vice Dean, Prof., SJTU
- 11:05~11:35 [Keynote 1] Chairperson : Hideki Ichikawa
The structure-activity relationship studies of peptide mimetics containing pyrazinone ring derivatives
Anna Miyazaki, Yuko Tsuda, Yoshio Okada
Faculty of Pharmaceutical Sciences, Kobe Gakuin University
- 11:35~12:05 [Keynote 2]
Efficacy Evaluation of Coenzyme Q10 in Ageing-Related Diseases
Masaaki Okuno and Tadashi Okamoto
Laboratory of Biochemistry, Division of Health Sciences and Social Pharmacy, Faculty of Pharmaceutical Sciences, and Cooperative Research Center of Life Sciences, Kobe Gakuin University
- 12:05~13:00 Lunch Break
- 13:00~14:10 Flash presentation of posters
- P-1 **Vasodilatation by the Na⁺,H⁺-exchanger inhibitors**
Tomoya Sasahara, Katsutoshi Yayama, Hiroshi Okamoto
Laboratory of Cardiovascular Pharmacology, Department of Biopharmaceutical Sciences, Kobe Gakuin University
- P-2 **Characterization of phagocytosis of fluorescent microspheres by J774.1 macrophages**
Makoto Imamori, Riyo Enomoto and Eibai Lee
Laboratory of Pharmacology, Faculty of Pharmaceutical Sciences, and Cooperative research center of Life Science Kobe Gakuin University
- P-3 **The Mode of the Antifungal Activity of Gemini-pyridinium Salt against Yeast**
Akihiro Shirai, Shouko Ueta, Hideaki Nagamune, Hiroki Kourai
Department of Biological Science and Technology, Biosystems Engineering, Institute of Technology and Science, The University of Tokushima Graduate School, 2-1, Minamijosanjima-cho, Tokushima 770-8506, Japan

- P-4 **Inhibitory effect of vitamin K derivatives on DNA polymerase activity and human cancer cell growth**
Isoko Kuriyama ¹, Kouji Kuramochi ², Yoshiyuki Mizushina ¹, Hiromi Yoshida ¹
¹ Lab. of Food & Nutr. Sci., Dept. of Nutr. Sci., Kobe Gakuin University
² Grad. Sch. of Life and Environ. Sci., Kyoto Prefectural Univ.
- P-5 **Enhancement of human colon cancer cell radiosensitivity by MGDG (mono-galactosyl diacyl-glycerol) form spinach**
Yuki Matsui, Naoki Maeda, Yoshiyuki Mizushina, Hiromi Yoshida
Lab. of Food & Nutr. Sci., Dept. of Nutr. Sci., Kobe Gakuin University
- P-6 **Synthesis and screening of somatostatin derivatives : Explore of hydrophobic substances with small-molecule**
Emiko Okuno ¹, Anna Miyazaki ¹, Isoko Kuriyama ², Yoshiyuki Mizushima ², Hiromi Yoshida ², Yuko Tsuda ¹, Yoshio Okada ¹
¹ Faculty of Pharmaceutical Sciences, Division of Pharmaceutical Chemistry.,
² Lab. of Food & Nutr. Sci., Dept. of Nutr. Sci., Kobe Gakuin University
- P-7 **Influence of antitumor prostaglandin, 13,14-dihydro-15-deoxy Δ^7 PGA₁ (methyl ester) on cell cycle —DNA replication inhibition in S-phase—**
Nanaho Fujii, Yusuke Ito, Shuichi Kishimoto, Yoshikazu Takeuchi, and Shoji Fukushima
Laboratory of Clinical Pharmaceutics, Faculty of Pharmaceutical Science, Kobe Gakuin University
- P-8 **Evaluation of BCG-CWS immunostimulation activity in vivo**
Yuki Nakamura¹, Shuichi Kishimoto¹, Yoshikazu Yanagi², Shoji Fukushima¹
¹Faculty of Pharmaceutical Sciences, Kobe Gakuin University
²MBR Co., Ltd.
- P-9 **The effect of PXR ligand rifampicin on the cytotoxicity of cisplatin in HepG2**
Megumi Yasuda, Shuichi Kishimoto, Asuka Fujimoto, Yoshikazu Takeuchi, and Shoji Fukushima
Laboratory of Clinical Pharmaceutics, Faculty of Pharmaceutical Science, Kobe Gakuin University
- P-10 **The effect of the nuclear receptors on the expression of CYPs, conjugating-enzymes and transporters in the type 2 diabetic rats (ZDF)**
Hiromichi Nomura, Shuichi Kishimoto, Yoshitaka Hasegawa, Takuya Harada, Yoshikazu Takeuchi and Shoji Fukushima
Laboratory of Clinical Pharmaceutics, Faculty of Pharmaceutical Science, Kobe Gakuin University, Kobe, Japan

- P-11 **The Uptake mechanism of novel dinuclear platinum(II) complexes into the human hepatocellular carcinoma cell line HuH-7**
Tomohiro Hosokawa¹, Shuichi Kishimoto¹, Yoshikazu Takeuchi¹, Takaji Sato², Masahiko Chikuma² and Shoji Fukushima¹
¹Faculty of Pharmaceutical Sciences, Kobe Gakuin University
²Osaka University of Pharmaceutical Sciences
- P-12 **Cell cycle analysis in cancer cell exposed with imexon**
Hirotaka Onoue¹, Shoji Fukushima¹, Shuichi Kishimoto¹, Nanaho Fuji¹, Dorr R. T.² and Yoshikazu Takeuchi¹
¹Laboratory of Clinical Pharmaceutics, Faculty of Pharmaceutical Sciences, Kobe Gakuin University, Kobe, Japan
²University of Arizona, Cancer Center, USA
- P-13 **The Beneficial effect of apple varieties in experimental atherothrombotic conditions**
Mai Morishita¹, Aki Naemura¹, Hideaki Yamaya², Mayumi Ura¹, Chifumi Kinugasa¹, Tsutomu Yamashiita¹, Junichiro Yamamoto¹
¹Laboratory of Physiology, Faculty of Nutrition and Cooperative Research Center of Life Sciences, Kobe Gakuin University, Kobe, Japan
²Pomology Division, Apple Experiment Station, Aomori Agriculture and Forestry Research Center, Aomori, Japan
- P-14 **Impairment of insulin response under cerebral ischemic stress**
Shinichi Harada, Wakako Fujita, Kazuo Nakamoto, Shogo Tokuyama
Department of Clinical Pharmacy, Faculty of Pharmaceutical Sciences, Kobe Gakuin University
- P-15 **Involvement of MMP-2 and MMP-9 in the development of analgesic tolerance to morphine**
Ryuji Nagae, Wakako Fujita (Hamabe), Hiroyuki Yamane, Yukari Satsuma, Kazuo Nakamoto, Shogo Tokuyama
Department of Clinical Pharmacy, Faculty of Pharmaceutical Sciences, Kobe Gakuin University
- P-16 **NOS-mediated alterations of intestinal P-glycoprotein in the development of diabetes**
Ayaka Nawa, Wakako Fujita (Hamabe), Kazuo Nakamoto, Shogo Tokuyama
Department of Clinical Pharmacy, Faculty of Pharmaceutical Sciences, Kobe Gakuin University
- P-17 **Electrochemistry of Porphyrins as a Side Chain of Polymer**
Takashi Michida
Biomimetic Chemistry, Faculty of Pharmaceutical Sciences, Kobe Gakuin University

