

## **Symposia of the 125<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan**

### **S31 Frontier of lipid signaling**

#### **S31-1 Phospholipase A2 update**

Makoto Murakami (School of Pharmaceutical Sciences, Showa University)

#### **S31-2 Physiological roles of cytosolic phospholipase A2**

Yoshihiro Kita (Faculty of Medicine, The University of Tokyo)

#### **S31-3 Implication of two cancer-related molecules, Autotaxin and Prostatic Acid Phosphatase, in lysophosphatidic acid metabolism**

Junken Aoki (Graduate School of Pharmaceutical Sciences, The University of Tokyo)

#### **S31-4 Physiological functions of phospholipase Cdelta-type**

Kiyoko Fukami (Tokyo University of Pharmacy and Life Science)

#### **S31-5 In vivo functions of prostaglandin E synthases**

Yoshihito Nakatani (Sch of Pharm Sci, Showa Univ)

#### **S31-6 Pathogenesis of Gastric Tumors in the COX-2/mPGES-1 Transgenic Mice**

Masanobu Oshima (Kyoto Univ. Grad. Sch. Med.)

#### **S31-7 Roles of prostaglandin E2 in ovulation and fertilization**

Yukihiko Sugimoto (Grad. Sch. Pharmaceut. Sci. Kyoto Univ.)

#### **S31-8 LPA<sub>3</sub>-mediated lysophosphatidic acid signaling in implantation and embryo spacing**

Kotaro Hama (Dept. of Health Chem., Grad. Sch. of Pharm. Sci., the Univ. of Tokyo)

#### **S31-9 Mechanism of demyelination through LPA signaling involved in neuropathic pain**

Ryosuke Fujita (School of Pharmaceutical Sciences, Nagasaki University)

#### **S31-10 Molecular mechanism of downregulation of Rac and Cell Motility by the G Protein-coupled Sphingosine-1-phosphate Receptor S1P<sub>2</sub>**

Naotoshi Sugimoto (Dept. Physiol. Kanazawa Univ. Medical Sch.)

#### **S31-11 PICT-1 regulates the tumor suppressor PTEN**

Tomohiko Maehama (Tokyo Metropolitan Institute of Medical Science)

#### **S31-12 Essential role of phosphoinositides in mast cell functions**

Takehiko Sasaki (Akita University School of Medicine)