

**(P1) Structure and function of inositol 1,4,5-trisphosphate (IP<sub>3</sub>) receptor and its cell function – from discovery to the new concept**

Katsuhiko Mikoshiba

**(P2) Molecular mechanism of ligand-induced gating of the inositol 1,4,5-trisphosphate receptor**

Takayuki Michikawa, Keiko Uchida, Hiroshi Miyauchi, Teiichi Furuichi, and Katsuhiko Mikoshiba

**(P3) Three-dimensional rearrangements within IP<sub>3</sub> receptor by Ca<sup>2+</sup>**

Kozo Hamada, Akiko Terauchi, and Katsuhiko Mikoshiba

**(P4) Kinesin-dependent, rapid, bi-directional transport of ER sub-compartment in dendrites of hippocampal neurons**

Hiroko Bannai, Kazumi Fukatsu, Takafumi Inoue, Tomohiro Nakayama, Mitsuharu Hattori, Katsuhiko Mikoshiba

**(P5) IRBIT, a Novel Inositol 1,4,5-Trisphosphate(IP<sub>3</sub>) Receptor-binding Protein, Is Released from the IP<sub>3</sub> Receptor upon IP<sub>3</sub> Binding to the Receptor**

Hideaki Ando, Akihiro Mizutani and Katsuhiko Mikoshiba

**(P6) Physiological roles of type 2 and type 3 IP<sub>3</sub> receptors - What knockout mice tell us**

Akira Futatsugi, Takeshi Nakamura, Etsuko Ebisui, Kyoko Nakamura and Katsuhiko Mikoshiba

**(P7) Defective intracellular Ca<sup>2+</sup> signaling in salivary glandular and pancreatic acinar cells in double knockout mice of type 2 and type 3 IP<sub>3</sub> receptors**

Takeshi Nakamura, Akira Futatsugi, Kyoko Nakamura, Nagisa Matsumoto and Katsuhiko Mikoshiba

**(P8) Protein 4.1N is required for inositol 1,4,5-trisphosphate receptor type 1 translocation to the basolateral membrane domain in polarized Madin-Darby canine kidney cells**

Songbai Zhang, Akihiro Mizutani, Chihiro Hisatsune, Takayasu Higo, Hiroko Bannai, Tomohiro Nakayama, Mitsuharu Hattori, and Katsuhiko Mikoshiba

**(P9) Dynamics of Calcium in the neuronal dendrite**

Takafumi Inoue, Akinori Kuruma, Jun-ichi Goto, Katsuhiko Mikoshiba

**(P10) Roles and mechanisms of Ca<sup>2+</sup> oscillation in the process of fertilization**

Manabu Yoshida, Kiyoko Fukami, Takafumi Inoue, and Katsuhiko Mikoshiba