

Title: Ion channels and membrane transport systems: function, structure, physiology

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Hiroshi Takeshima (Kyoto University, Japan)
Ray Turner (University of Calgary, Canada)
Sachiko Tsukita (Osaka University, Japan)
Gerald Zamponi (University of Calgary, Canada)

Date: 2-4 August, 2009

Venue: L' Hotel de Hiei, Kyoto, Japan

Outline:

You are cordially invited to participate in the IUPS2009 satellite symposium "Ion channels and membrane transport systems: function, structure, physiology", which will be held on August 2-4, 2009, at L' Hotel de Hiei, Japan. Ion channels are central to diverse physiological responses. In the satellite symposium, we will discuss on the recent development of the field of ion channels and membrane transport systems central to diverse physiological responses in the post genome/molecular cloning era, with a focus on cation channels, mainly K^+ and Ca^{2+} -permeable channels, and other physiologically important ion channels and transporters. We also focus on membrane platforms and cellular structures, especially tight junction, that play essential functions in the membrane transport of ions and substances. The symposium should aid us in gaining comprehensive insights into how molecular and structural elements work together to create systems responsible for physiological responses, in accordance with the concept of the main. The direction of this symposium exactly matches the concept of the IUPS2009 meeting "Elements and Integration". We look forward to welcoming and meeting you in Kyoto on the

special occasion.

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