

“Smooth Muscle Rhythms” (The 6th ISICC)

7th February (Sunday)

Arrival

8th February (Monday)

Opening remark 9:55~10:00

Hikaru Suzuki (Japan)

Oral communications-1 Chair persons: San Don Koh(USA), Richard Lang (Australia)

10:00~10:30 Yoshi Kito (Japan)

‘Interstitial cells of Cajal generate spontaneous transient depolarizations in the rat gastric fundus’

10:30~11:00 Sung Jin Hwang (USA)

‘ β -nicotinamide adenine dinucleotide is an inhibitory neurotransmitter in colonic tissues’

11:00~11:30 Coffee break

11:30~12:00 San Don Koh (USA)

‘Ca²⁺ sensitivity of Ca²⁺-activated Cl⁻ conductance in interstitial cells of Cajal and TMEM16A’

12:00~12:30 Hikaru Suzuki (Japan)

‘Factors which modulate the duration of slow waves in the guinea-pig stomach’

Lunch 12:30~14:10

Oral communications-2 Chair persons: Helena Parkington (Australia), Shigeko Torihashi (Japan)

14:10~14:30 Hiromi Aranishi (Japan) *Student presentation*

‘Morphological features of the interstitial cells of Cajal in the subserosal layer in the guinea-pig proximal colon’

14:30~15:00 Dirk Van Helden (Australia)

‘Role of Ca²⁺ Stores in Pacemaking and Signalling’

15:00~15:30 Shigeko Torihashi (Japan)

‘Differentiation of smooth muscle cells and ICC both *in vivo* and *in vitro*’

15:30~16:00 Coffee break

16:00~16:30 Helena Parkington (Australia)

‘Co-ordinating contraction in the pregnant uterus’

16:30~17:00 Shinsuke Nakayama (Japan)

‘Methods to Analyze Smooth Muscle Rhythmic Activity’

17:00~ Free discussion

9th February (Tuesday)

Special Lecture Chair person: Hikaru Suzuki (Japan)

9:00~10:00 Giorgio Gabella (UK)

‘Smooth muscles: Their variety and the presence of interstitial and other non-muscle cells’

10:00~10:30 Coffee break

Workshop-1 “ICC and neurotransmission” Chair person: Kenton Sanders (USA)

10:30~11:00 Kenton Sanders (USA)

‘The role of interstitial cells of Cajal in enteric motor neurotransmission’

11:00~11:30 Satoshi Iino (Japan)

‘Morphological arguments for innervation of ICC and involvement of ICC in neurotransmission’

11:30~12:00 Jan Huizinga (Canada)

‘Synaptic and non-synaptic innervation of ICC and smooth muscle’

12:00~12:30 Sean Ward (USA)

‘Neuromuscular apparatus facilitating a role for ICC in neurotransmission’

12:30~13:30 Lunch

13:30~ Free discussion

10th February (Wednesday)

Workshop-2 "ICC-like cells in uro-genital organs - Current and Future Views"

Chair persons: Noel McHale (Ireland), Clinical commentator: Masaki Yoshida (Japan)

9:00~9:10 Hikaru Hashitani (Japan)

Introduction

9:10~9:40 Richard Lang (Australia)

‘Electrical properties of single atypical smooth muscle cells and ICC-like cells freshly isolated from the mouse pyeloureteric system’

9:40~10:10 Christopher Fry (UK)

‘The role of suburothelial interstitial cells in the bladder wall’

10:10~10:40 Karen McCloskey (UK)

‘ICC in the bladder detrusor’

10:40~11:10 Coffee break

11:10~11:40 Gerard Sergeant (Ireland)

‘Regulation of pacemaker activity in urethral interstitial cells of Cajal by mitochondria’

11:40~12:00 Hikaru Hashitani (Japan)

‘Role of perinuclear mitochondria in spatiotemporal dynamics of spontaneous Ca²⁺ waves in ICC-like cells
~Do they sense metabolic demand?~’

12:00~12:30 Keith Thornbury (Ireland)

‘Purinergic responses of ICC and smooth muscle cells isolated from rabbit urogenital tissues’

12:30~13:00 Discussion

13:00~14:30 Lunch

Oral communications-3 Chair persons: Christopher Fry (UK), Keith Thornbury (Ireland)

14:30~14:50 Shuni Kajioka (Japan)

‘The features of oscillating currents observed in detrusor smooth muscle’

14:50~15:10 Yasue Kubota (Japan)

‘Altered distribution of interstitial cells in the guinea pig bladder following bladder outlet obstruction’

15:10~15:30 Tokumasa Hayashi (Japan)

‘The contractile function and morphological characteristics of the guinea pig seminal vesicle’

15:30~15:50 Hiromichi Takano (Japan)

‘Properties of spontaneous vasoconstrictions in suburothelial venules of the rat bladder’

15:50~16:20 Coffee break

Workshop-3 "Definition and terminology of ICC"

Chair persons: Terumasa Komuro (Japan), Jan Huizinga (Canada)

16:20~16:50 Terumasa Komuro (Japan)

‘Introductory comments on terminology of ICC in the gut and morphological features of each ICC subtype’

16:50~17:20 Jan Huizinga (Canada)

‘Nomenclature of interstitial cells of Cajal within and outside the gut’

17:20~18:00 Discussion

19:00~ Dinner

11th February (Thursday)

Departure