

Special International Symposium on

Phospholipid-related Signaling in Physiology and Pathology

Commemorating Professor F.A. Manzoli

December 11~13, 2015
Dream Center, Gyeongju, KOREA

10 (Thu)

16:00~ Registration & Dinner

11 (Fri)

08:00-09:00 Registration

09:00-09:10 Opening Remarks

Pann-Ghill Suh (UNIST)

Keynote Speech I (chaired by Lucio Cocco, Italy)

09:10-09:55 Evolution of phospholipase A2s in catalysis and allosteric regulation by membrane phospholipids

Edward Dennis (UCSD, USA)

09:55-10:10 Coffee Break

Session I (Kevin Coward, Oxford Univ., UK)

10:10-10:45 Phospholipase C zeta (PLC ζ) and male infertility: clinical update and topical developments

Kevin Coward

10:45-11:20 Loss of phospholipase C δ 1 impairs epidermal barrier and skin inflammation

Kiyoko Fukami (Tokyo Univ., Japan)

11:20-11:55 Dysfunction of PLC γ 1-mediated signaling in excitatory neurons causes manic-like behaviors

Yong Ryoul Yang (UNIST)

11:55-12:15 Modulation of Nuclear PI-PLC β 1 during Cell Differentiation

Matilde Yung Follo (Univ. of Bologna, Italy)

12:15-12:20 Take Photos

12:20-13:30 Lunch

Session II (Suzanne Scarlata, Stony Brook Univ., USA)

13:30-14:05 Phospholipase C β connects G protein signaling with RNA interference

Suzanne Scarlata

14:05-14:40 Sphingolipid metabolites in alopecia, atopic dermatitis and osteoporosis

Yong-Moon Lee (Chungbuk Natl. Univ.)

14:40-15:15 Rapid mitogenic regulation of the mTORC1 inhibitor, DEPTOR, by phosphatidic acid

Mee Sup Yoon (Gachon Univ.)

15:15-15:35 Coffee Break

Session III (Sung Ho Ryu, POSTECH)

15:35-16:10 Accumulating insights into the role of phospholipase D2 in human pathophysiology

Sung Ho Ryu

16:10-16:45 Regulation of the cold sensor TRPM8 ion channels by phosphoinositides

Tibor Rohacs (New Jersey Medical School, USA)

16:45-17:20 Nuclear phosphoinositides as epigenetic regulators

Nullin Divecha (Univ. of Southampton, UK)

17:20-17:50 General Discussion

18:00-21:00 Banquet

12 (Sat)

08:00-09:10 Breakfast

Keynote Speech II (chaired by Pann-Ghill Suh)

09:10-09:55 Robin Irvine (Cambridge, UK)

Localisation and function of phosphatidylinositol 5-phosphate 4-kinase γ

09:55-10:10 Coffee Break

Session IV (Susan Wentte, Vanderbilt Univ., USA)

10:10-10:45 An amyotrophic lateral sclerosis-linked mutation in GLE1 alters the cellular pools of human Gle1 functional isoforms

Susan Wentte

10:45-11:20 PI 3-Kinase and Akt at the interface of signaling and metabolism

Alex Toker (Harvard Medical School, USA)

11:20-11:55 Class I and Class II PI3-kinases isoforms in blood platelet activation and thrombosis

Bernard Payrastre (Toulouse Univ., France)

11:55-12:30 The relationship between inborn errors metabolism, neural stem cell self-renewal, and autism spectrum disorder

Vytas Bankaitis (TAMHSC., USA)

12:30-14:00 Lunch

Session V (John York, Vanderbilt Univ, USA)

14:00-14:35 Purification and characterization of an 1-diphosphoryl inositol pentakisphosphate pyrophosphatase

John York

14:35-15:10 Nuclear inositol polyphosphate multikinase and the regulation of transcription

Seyun Kim (KAIST)

15:10-15:45 Isoform-selective signalling through class I PI3K

Phillip Hawkins (Cambridge, UK)

15:45-17:15 General Discussion

17:15-17:30 Closing Remarks

Lucio Cocco (Univ. of Bologna, Italy)

13 (Sun)

08:00-09:30 Breakfast

09:30-16:00 Discussion
Group I Phospholipase-mediated Signaling
Group II Class I PI3K & IP kinases
Group III Phospholipid and derivatives

Organizers

Lucio Cocco (University of Bologna, Italy)

Pann-Ghill Suh (UNIST, Korea)

Young-Kyo Seo (UNIST, Korea)

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