

October 29th

Session1

9:00-9:50

KLFs in development and differentiation 1

Moderator: Merlin Crossley (UNSW Sydney, Australia)

S1-1 The role of KLF1/EKLF in normal and aberrant erythroid differentiation

Speaker: James J Bieker (Mount Sinai School of Medicine, U.S.A.)

S1-2 The roles of KLFs in regulating T cell differentiation, trafficking and function

Speaker: Stephen Christopher Jameson (University of Minnesota, Center for Immunology, U.S.A.)

Oral Presentation/Poster Presentation

9:50-10:05

Oral Presentation1/Poster Presentation1

Moderator: Merlin Crossley (UNSW Sydney, Australia)

O1/P1 Krüppel-like factor 3 (KLF3) regulates eosinophil-mediated beige adipose tissue activation

Speaker: Kate G Quinlan (UNSW Sydney, Australia)

Break time

Session2

10:20-11:35

KLFs in development and differentiation 2

Moderator: James Bieker (Mount Sinai School of Medicine, U.S.A.)

S2-1 Lineage specification during mouse preimplantation development controlled by Klf5 and FGF-ERK pathway

Speaker: Takuya Azami (Research Center for Animal Life Science, Shiga University of Medical Science, Japan)

S2-2 Modelling unexpected disease phenotypes due to neomorphic and hypomorphic mutations in the DNA-binding domain of SP/KLF transcription factors using integrated genomics and mouse models

Speaker: Andrew C. Perkins (Australian Centre for Blood Diseases, Monash University, Australia)

S2-3 KLF5 in muscle development and regeneration

Speaker: Yumiko Oishi (Department of biochemistry and molecular biology, Nippon Medical School, Japan)

Oral Presentation/Poster Presentation

11:35-11:50

Oral Presentation2/Poster Presentation2

Moderator: James Bieker (Mount Sinai School of Medicine, U.S.A.)

O2/P2 Hyperglycemia induces skeletal muscle atrophy via a WWP1-KLF15 axis

Speaker: Yu Hirata (Division of Diabetes and Endocrinology, Kobe University Graduate School of Medicine, Japan)

Break time

Luncheon Seminar1

12:10-13:10

Moderator: Ichiro Manabe (Chiba University Graduate School of Medicine, Japan)

LS1 Signal integration by centrosome-basal body-cilia system

Speaker: Tatsuhiko Kodama (RCAST, The University of Tokyo, Japan)

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Break time

Session3

13:20-14:35

KLFs in gene regulatory network

Moderator: Vincent Yang (Stony Brook University, U.S.A.)

S3-1 Regulation of Intestinal Stem Cells by KLFs

Speaker: Vincent Yang (Stony Brook University, U.S.A.)

S3-2 KLF3 controls inflammation via the STATNFkB regulatory axis

Speaker: Merlin Crossley (UNSW Sydney, Australia)

S3-3 Regulation of KLFs stability by UPS pathway

Speaker: Ping Wang (School of Medicine, Tongji University, China)

Break time

Session4

14:50-15:40

KLFs in cancer 1

Moderator: Ichiro Manabe (Chiba University Graduate School of Medicine, Japan)

S4-1 KLF5 and p53 comprise an incoherent feed-forward loop directing cell-fate decisions following stress

Speaker: Jonathan P Katz (University of Pennsylvania Perelman School of Medicine, U.S.A.)

S4-2 The role of KLF5 in breast development and carcinogenesis

Speaker: Ceshi Chen (Kunming Institute of Zoology, Chinese Academy of Sciences, China)

Oral Presentation/Poster Presentation

15:40-15:55

Oral Presentation3/Poster Presentation3

Moderator: Ichiro Manabe (Chiba University Graduate School of Medicine, Japan)

O3/P3 Lysine-specific Demethylase 1 Inhibitors Prevent Teratoma Formation of Human iPS Cells

Speaker: Yusuke Furukawa (Jichi Medical University, Japan)

Poster Presentation12~18

15:55-17:35

P12 Possible roles of Sp6 in ameloblast differentiation

Speaker: Keiko Miyoshi (Dept. Mol. Biol., Inst. Biomed. Sci., Tokushima Univ. Grad. Sch, Japan)

P13 Roles of Krüppel-like factor 5 (KLF5) in Clear cell renal cell carcinoma (ccRCC)

Speaker: Ke-Wen Zhao (Shanghai Jiaotong University School of Medicine, China)

P14 CDA-KLF1 recognizes a mutually exclusive binding site as compared to WT-KLF1 but may activate certain common target genes

Speaker: Mirosława Siatecka (Department of Genetics, Institute of Experimental Biology, University of Adam Mickiewicz, Poznan, Poland)

P15 Regulation of cardiac hypertrophy by DNA damage response as mediated by KLF5

Speaker: Kenichi Aizawa (Jichi Medical University, Japan)

P16 KLF1 acts as a pioneer transcription factor to open chromatin and facilitate recruitment of cofactors such as GATA1

Speaker: Graham Magor (Australian Centre for Blood Diseases, Monash University, Australia)

P17

Expanding the repertoire of Transcription Factor Motifs

Speaker: Kevin Robert Gillinder (Monash University, Australia)

P18

Krüppel-like factor 5 is Essential for Mammary Gland Development and Tumorigenesis

Speaker: Rong Liu (Kunming Institute of Zoology, Chinese Academy of Sciences, China)