

# October 30th

## Session5

9:00-9:50

### KLFs in cancer 2

Moderator: Lalitha Nayak (Division of Hematology and Oncology, Case Western Reserve University, U.S.A.)

#### **S5-1 Drugging tumor suppressor proteins: lessons from KLFs and phosphatases**

Speaker: Goutham Narla (University of Michigan, U.S.A.)

#### **S5-2 KLF4 Regulation and cancer development**

Speaker: Zhihua Liu (National Cancer Center/Cancer Hospital, Chinese Academy of Medical Sciences, Beijing, China)

## Oral Presentation/Poster Presentation

9:50-10:05

### Oral Presentation4/Poster Presentation4

Moderator: Lalitha Nayak (Division of Hematology and Oncology, Case Western Reserve University, U.S.A.)

#### **O4/P4 Small molecules mimicking KLF5 structure suppresses cancer cells in both in vivo and vitro without damaging normal cells**

Speaker: Takeo Nakaya (Department of Pathology, Jichi Medical University, Japan)

Break time

## Session6

10:25-10:50

### KLFs in metabolism and aging

Moderator: Goutham Narla (University of Michigan, U.S.A.)

#### **S6-1 Cardiomyocyte KLF5 drives diabetic cardiomyopathy**

Speaker: Konstantinos Drosatos (Lewis Katz School of Medicine at Temple University, U.S.A.)

## Oral Presentation/Poster Presentation

10:50-11:05

### Oral Presentation5/Poster Presentation5

Moderator: Goutham Narla (University of Michigan, U.S.A.)

**O5/P5** **Hepatic KLF15 modulates lipogenesis via inhibition of LXR activity by recruiting corepressor RIP140 on SREBP-1c promoter during fasting**

Speaker: Yoshinori Takeuchi (Nutrigenomics Research Group, Faculty of Medicine, University of Tsukuba / Endocrinology and Metabolism, Faculty of Medicine, University of Tsukuba, Japan)

11:05-11:20

### Oral Presentation6/Poster Presentation6

Moderator: Goutham Narla (University of Michigan, U.S.A.)

**O6/P6** **A new murine model of systemic sclerosis; *Klf5*<sup>+/-</sup>; *Fli1*<sup>+/-</sup> mice**

Speaker: Yoshihide Asano (Department of Dermatology, University of Tokyo Graduate School of Medicine, Tokyo, Japan)

Break time

## Luncheon Seminar2

11:40-12:40

Moderator: Ryoza Nagai (Jichi Medical University, Japan)

**LS2** **Enabling advances in healthcare through large-scale coordinated and collaborative approaches to next generation sequencing**

Speaker: Gareth Elvidge (Illumina, Inc.)

Sponsored by Illumina K.K.

Break time

## Session7

13:00-14:15

### KLFs in cardiovascular disease 1

Moderator: Masatsugu Ema (Shiga Medical University Research Center for Animal Life Science  
Department of Stem Cells and Human Disease Models, Japan)

**S7-1** **KLF5 modulates the response of different cell types within the arterial wall to injury by multiple mechanisms**

Speaker: Jin-kun Wen (Key Laboratory of Neural and Vascular Biology of the  
Ministry of Education, Hebei Medical University, China)

**S7-2**

**KLF4 modulates different cell function by multiple mechanisms**

Speaker: Bin Zheng (Key Laboratory of Neural and Vascular Biology of the Ministry of Education, Hebei Medical University, China)

**S7-3**

**Klf4 and 5 Regulates the Long-Lasting Neural Stem Cell Population**

Speaker: Seiji Hitoshi (Shiga University of Medical Science, Japan)

**Oral Presentation/Poster Presentation**

14:15-14:30

---

**Oral Presentation7/Poster Presentation7**

Moderator: Masatsugu Ema (Shiga Medical University Research Center for Animal Life Science  
Department of Stem Cells and Human Disease Models, Japan)

**O7/P7**

**Overlapping and differential functions of KLF9 and KLF13 in hippocampal neurons**

Speaker: Jose Avila-Mendoza (Molecular, Cellular and Developmental Biology, University of Michigan, U.S.A.)

14:30-14:45

---

**Oral Presentation8/Poster Presentation8**

Moderator: Masatsugu Ema (Shiga Medical University Research Center for Animal Life Science  
Department of Stem Cells and Human Disease Models, Japan)

**O8/P8**

**Critical function of Klf17 for the zygotic genome activation in mice**

Speaker: Toshinobu Nakamura (Nagahama Institute of Bio-Science and Technology, Japan)