

2024 Seeon Young Investigator Meeting Program

Friday, September 20, 2024

15:00 **Welcome and Introduction**
Joseph Lim, Peter Luo, Yang Zhang and Stephen Spurgin
(Organizers of the 2024 Seeon Young Investigator Meeting)

15:15 – 16:30	Session 1: Mechanisms of vascular function
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Discussion leader: **Joseph Lim** (Berlin, Germany)

15:15 **Thomas Braun** (Bad Nauheim, Germany)

15:45 **Felix A. Trogisch** (Mannheim, Germany)

“Endothelial inactivation of Sox9 protects from aging-induced cardiac fibrosis and heart failure”

16:00 **Julia Kraxner** (Berlin, Germany)

“From single cytoskeleton molecule to endothelial cell mechanics”

16:15 **Ariadna Roca** (Badalona, Spain)

“PIK3CA mutations drive venous specification via enhanced COUP-TFII expression”

16:30 Coffee Break

17:00 – 18:30	Session 2: Functions of the lymphatic vasculature
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Discussion leader: **Peter Luo** (Dallas, USA)

17:00 **Tatiana Petrova** (Lausanne, Switzerland)

17:30 **Sanjay Sunil Kumar** (Muenster, Germany)

“Carboxypeptidase D, a novel player involved in VEGF-C processing and lymphatic development”

17:45 **Silke Kreher** (Bad Nauheim, Germany)

“Ribonuclease Activity and Inhibition during Lymphangiogenesis”

18:00 **Round table discussion:** Career Perspective in Cardiovascular Biology – Challenges and Opportunities

19:00 Dinner

20:30 Social Hour

Saturday, September 21, 2024

08:45 – 10:00 Session 3: Vasculature in tissue function and development

Discussion leader: **Yang Zhang** (Berlin, Germany)

08:45 **Eckhard Lammert** (Düsseldorf, Germany)

09:15 **Sana Hasan** (Göttingen, Germany)

"Obesity drives depot-specific vascular remodeling in white adipose tissue"

09:30 **Lukas Herdt** (Marburg, Germany)

"Apelin signaling as a novel pathway required for fenestrated blood vessel development in the zebrafish brain"

9:45 Coffee Break

10:15 – 12:00 Session 4: Deciphering dynamic processes in cardiovascular development with advanced genetics and imaging techniques

Discussion leader: **Stephen Spurgin** (Dallas, USA)

10:15 **Christian Helker** (Marburg, Germany)

10:45 **Siqi Gao** (Philadelphia, USA)

"Decoding Maternal-Fetal Communication: Advanced Genetic and Imaging Tools Unravel Placental Exchange Mechanisms"

11:00 **Workshop: Pathway to Independence**

Guest speakers: Christian Helker, Kerstin Wilhelm-Jüngling, Siqi Gao

12:00 Lunch

Commencement of 13th International Seeon AngioScience Conference at 15:00