The UC Davis Clinical and Translational Science Center
Howard Hughes Medical Institute Training Grant
Keio Global Center of Excellence

Present an International Symposium:

“Vascular Response to Injury”

Thursday April 10th, 2008, GBSF Auditorium, 8:00 am – 5:00 pm

PROGRAM

8:15 – 9:15: Welcome overview of Keio & Davis Training and Research Programs
- Overview of HHMI and other Training Programs. Ann Bonham - Davis
- Overview of Global Center of Excellence and Keio University Human Metabolomic Systems Biology Program. Makoto Suematsu - Keio
- Overview of Vascular Biology at Davis. Roy Curry & Alice Tarantal - Davis

9:15 – 10:45: pH, Ionic and volume regulatory mechanisms in Cardiovascular Response to Injury
- pH versus volume regulation. Pete Cala - Davis
- Brain Ischemia and cell volume control. Martha O’Donnell - Davis
- Na/H exchange. Stine Pedersen - Copenhagen
- Ion channels in arterial contractility. Nipavan Chiamvimonvat - Davis
- Mercury chloride decreases the water permeability of Aquaporin-4-Reconstituted Proteoliposomes. Yoshinori Yukutake - Keio

10:45 – 11:00: Coffee / Tea Break

11:00 – 12:20: Metabolomics and Vascular Disease; Diabetes and Lipid Disorders
- Redox sensitive signaling. Takeshi Adachi - Keio
- Vascular dysfunction in Diabetes. Ishwarlal Jialal - Davis
- Microcirculation in Diabetes. Sarah Yuan - Davis
- Triglyceride-rich lipoproteins and vascular disease. Jack Rutledge - Davis

12:20 – 2:30: Lunch, Poster Session and Overview of Technology at Keio (Takako Hishiki), and at Davis.

2:30 – 5:00: Vascular control and Inflammatory Mechanisms
- Gaseous mediators of cardiovascular function. Mayumi Kajimura - Keio
- Vascular Mimetics. Scott Simon - Davis
- Soluble epoxide hydrolases. Bruce Hammock – Davis
- Metabolic Profiles. Ryon Bateman - Keio
- Inflammation and Gene Expression. Ann Knowlton - Davis
- Mouse models of Microvascular Exchange. Rolf Reed - Bergen
- Endothelial Cell Plasticity. Roy Curry - Davis