



2nd Workshop on Circulating Tumor Cells & Cancer 10th U.S.A.-Korea Joint Symposium



17 (Mon) - 18 (Tue) September 2012
University of California at Berkeley, Berkeley, USA

Program

17 (Mon) September 2012

[Technical Tour]

15:00 ~ 17:00 *Children's Hospital Oakland Research Institute (CHORI), Oakland*

17:00 ~ 19:00 *Reception*

18 (Tue) September 2012

[Opening Session]

10:00 ~ 10:10 **Welcome Address and Opening**
Albert P. Pisano (University of California at Berkeley)

10:10 ~ 10:20 **Joint Activity Progress and Perspective**
Young-Ho Cho (Korea Advanced Institute of Science and Technology)

[Morning Session: Moderator: Albert P. Pisano]

10:20 ~ 10:40 **An Overview of Circulating Tumor Cell Research Center (CTCRC)**
Young-Ho Cho (Korea Advanced Institute of Science and Technology)

10:40 ~ 11:10 **Application of SiCMA to CTC (Circulating Tumor Cell) Research**
Frans A. Kuypers (Children's Hospital Oakland Research Institute)

11:10 ~ 11:40 **Tapered Slit Arrays for Viable CTC Isolation**
Il Doh (Korea Advanced Institute of Science and Technology)

11:40 ~ 13:30 *Lunch*

[Afternoon Session: Moderator: Young-Ho Cho]

13:30 ~ 14:00 **High-resolution Direct Patterning of Polymers and Nanoparticles by a Template-Based Microfluidic Process**
Albert P. Pisano (University of California at Berkeley)

14:00 ~ 14:30 **Microfluidic Reactors for Controlled Synthesis of Monodisperse Nanoparticles**
Yegan Erdem (University of California at Berkeley)

14:30 ~ 15:00 **Self-signaling and Signal-amplifying Conjugated Polymer Biosensors for CTC**
Jinsang Kim (University of Michigan)

15:00 ~ 15:30 **Fabrication of polymeric micro fluidic platform to capture CTC**
Yeong-Eun Yoo (Korea Institute of Machinery & Materials)

[Technical Tour]

15:30 ~ 16:30 *Berkeley Sensor and Actuator Center (BSAC)/NanoLab at Berkeley*

17:00 ~ 19:00 *Banquet*