

BIOS2015

BIOLOGICAL SYMPOSIUM BY THE MBI WOMEN IN SCIENCE INITIATIVE

16 October 2015 LVL 5 T-LAB, MECHANOBIOLOGY INSTITUTE
NATIONAL UNIVERSITY OF SINGAPORE

9.00 - Welcome Address: Linda Kenney

MICROORGANISMS

Session chair: Mrinal Shah (MBI)

9.00-9.30 - Yunn Hwen Gan (NUS)

Unraveling the mystery of an endemic bacterial pathogen which also happens to be a bioterrorism agent

9.30-10.00 - Sheemei Lok (Duke-NUS)

CryoEM structure shows antibody neutralize dengue virus serotype 2 by locking E protein dimers

10.00-10.30 - Mary B Chan-Park (NTU)

Selective antimicrobial polysaccharides for diverse applications

10.30-10.45 - Hu Xian (MBI-NUS)

How does the stretch cycles of talin in mature adhesions recruit vinculin - A time resolved single molecule analysis

10.45-11.00 - Coffee

CELL SIGNALING IN DISEASE

Session chair: Pascale Monzo (MBI)

11.00-11.30 - Reshma Taneja (NUS)

Unravelling epigenetic changes in skeletal myopathies

11.30-12.00 - Carol Tang (NNI)

Targeting brain tumors: Improving lives through precision medicine

12.00-12.30 - Zhang Dan (TLL)

The cortical ER regulates actomyosin ring assembly through ER-PM contacts

12.30-12.45 - Bee Luan (MBI-NUS)

Short-term expansion of breast circulating cancer cells predicts response to anti-cancer therapy

12.45-13.00 - Priyanka Balaganapathy (NUS)

The role of Notch in p53 mediated neuronal cell death in cerebral ischemia

13.00-14.00 - Lunch

CYTOSKELETON, DISEASE & DRUGS

Session chair: Rishita Chandede (MBI)

14.00-14.30 - Birgit Lane (IMB)

Understanding keratin function through studying rare diseases

14.30-15.00 - Veronica Diermayr (A*Star D3)

Moving forward-Singapore's successes in oncology drug development

15.00-15.15 - Lee Wei Lin (IMCB)

Yersinia effector YopO uses actin as bait to phosphorylate proteins that regulate actin polymerization

15.15-15.30 - Charlotte Guetta (MBI-NUS)

Protrusive waves guide 3D cell migration along nanofibers

15.30-16.00 - Coffee

16.00-17.00 - Key Note address:

Katharina Gaus (UNSW)

Molecular insights into the regulation of T cell signalling

17.00-18.00 - Panel discussion: Katharina

Gaus, Veronica Diermayr, Mary B Chan- Park, Reshma Taneja, Zhang Dan, Jolene Tan, Sheemei Lok, Birgit Lane

18.00 - Concluding remarks: Stuti Desai (MBI)

To follow: Happy hour at Lvl 10, MBI, T-Lab

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