Skin Research Institute of Singapore (SRIS)

Agency for Science, Technology and Research SINGAPORE | NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE | NATIONAL SKIN CENTRE National Healthcare Group

Seminar Announcement

- All Are Welcome -



Speaker : **Dr Jan Ellenberg**
Head of Unit and Senior Scientist
European Molecular Biology Laboratory

Title : ***"Advanced imaging of cellular processes across scales"***

Date : **18 September 2018 (Tuesday)**

Time : **3:00pm – 4:00pm**

Venue : **Creation Theatrette, Matrix Level 4, Biopolis**

Hosts : **Dr Graham Wright**
*(Director, A*STAR Microscopy Platform, Skin Research Institute of Singapore)*

Abstract:
The recent resolution revolution in microscopy technologies allows unprecedented insights into the molecular machinery inside living systems. For the first time, imaging technologies have molecular resolving power and sensitivity and can be correlated to cover the whole range from structural detail of single molecules to imaging a whole living organism. This presentation will give examples at different scales where we have used advanced microscopy to study individual protein complexes, the organization of the human genome, cellular signalling networks and developmental processes inside embryos.

About the Speaker:
Jan Ellenberg studied biology as an undergraduate at the Universities of Hamburg and Berlin, Germany, before obtaining his Ph.D. at the National Institute of Health (NIH), Bethesda, USA. After a short postdoc at the NIH, he joined the European Molecular Biology Laboratory (EMBL) as a group leader in 1999, where he has coordinated the Centre for Molecular and Cellular Imaging since 2004, became senior scientist and head of the Gene Expression Unit in 2006 and head of the Cell Biology and Biophysics Unit in 2009. His current research at EMBL focuses on systems biology of cell division and nuclear organization.