

# 51<sup>st</sup> WPI IIIS Seminar

## & 1<sup>st</sup> Tsukuba Life Science Innovation Seminar

### “Targeting gene expression by direct inhibition of bromodomain-acetyl-lysine readout”

This seminar will summarize our efforts to develop selective inhibitors targeting bromo and extra terminal (BET) bromodomains, leading to highly selective and potent tool compounds that are now available in the public domain. Inhibition of the primary function of BETs, the readout of acetylated histones, affects the recruitment of transcriptional functions, thus attenuating gene expression programmes. The impact of these tool compounds in our understanding of bromodomain biology, leading to better follow-up in the clinic will be discussed together with recent examples of cross-reactivity with other target classes, leading to potential polypharmacology.



Speaker: Dr. Panagis Filippakopoulos

Department of Clinical Medicine, Structural Genomics Consortium & Ludwig Institute for Cancer Research, University of Oxford, UK

**Date:** Thursday, January 22, 2015

**Time:** 12:00-14:00 (Light refreshments will be served)

**Venue:** 8F Hall, Health and Medical Science Innovation Laboratory, University of Tsukuba

\*Note: This is a joint seminar between IIIS and T-LSI.



**IIIS**

INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE

**T-LSI**

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