SESSION LECTURE

No. 47
Epigenetics
Room: 405

Co-Chairs: Guoliang Xu  **Wendy Bickmore** 

Day 3 October 29th (Monday) 8:30 – 12:00		
Time	**Speaker**	**Title**
8:30-9:00	**Guoliang Xu** *Shanghai Institute of Biochemistry and Cell Biology, CAS, China*	Enzymatic DNA Oxidation in the Control of Mammalian Development
9:00-9:30	**Wendy Bickmore** *University of Edinburgh, UK*	The Remote Control of Gene Expression
9:30-10:00	**Robin Allshire** *University of Edinburgh, UK*	Establishment and Maintenance of Specialized Chromatin Domains
10:00-10:30	**Tea Break**	
10:30-11:00	**Alberto R. Kornblihtt** *University of Buenos Aires, Argentina*	Intragenic histone acetylation helps upregulation of SMN2 exon 7 inclusion by Spinraza-like antisense oligonucleotides
11:00-11:30	**Wei Xie** *Tsinghua-Peking Joint Center for Life Sciences, China*	Conservation and divergence of chromatin reprogramming in early development
11:30-12:00	**Jiang Liu** *Institute of Genomics, CAS, China*	The reprogramming of epigenetic landscape during mammalian embryogenesis

Guoliang Xu

glxu@sibcb.ac.cn

Dr. Xu is a Principal Investigator in the Shanghai Institute of Biochemistry and Cell Biology, CAS, China.His research aims to understandthe mechanisms underlying the epigenetic regulation of developmental and disease processes, with a focus on the mechanism of active DNA demethylation and its biological significance. He serves as the Executive Dean of the Institute of Biomedical Sciences at Fudan University.

Robin Allshire

robin.allshire@ed.ac.uk

Professor of Chromosome Biology at the Wellcome Centre for Cell Biology,University of Edinburgh.His research aims to understand mechanisms that promote epigenetic inheritance of distinct chromatin types and if these can generate phenotypic heterogeneity. He is particularly interested in dissecting theprocesses that specify the location of CENP-A chromatin, and thus kinetochore, assembly.

Wei Xie

xiewei121@tsinghua.edu.cn

Dr. Wei Xie pursued his Ph.D study at UCLA, where he joined the laboratory of Michael Grunstein to study the function of histones and histone modifications. He also obtained a M.S. double degree in statistics at UCLA. After completing his graduate studies in 2008, he continued research in epigenetics and transcription regulation as a postdoctoral fellow in Bing Ren's lab at the Ludwig Institute for Cancer Research, UCSD in 2009. He joined Tsinghua University, School of Life Sciences as a Principle Investigator in 2013.
He is also a member of the Tsinghua-Peking Joint Center for Life Sciences.

Wendy Bickmore

hgu.director@igmm.ed.ac.uk

Current research in Wendy Bickmore's laboratory focuses on how the spatial organization of the nucleus influences genome function in development and disease, including how enhancers communicate with their target gene promoters. Wendy is an EMBO member, a Fellow of the Royal Society and of the Academy of Medical Sciences. She was the president of the Genetics Society of Great Britain from 2015 to 2018. She is an editor on many journals including PLoS Genetics and Cell.

Alberto R. Kornblihtt

ark@fbmc.fcen.uba.ar

Professor at the University of Buenos Aires and Director of the Institute of Physiology, Molecular Biology and Neurosciences (IFIBYNE) of the National Research Council of Argentina (CONICET).Foreign Associate of the US National Academy of Sciences an foreign member of EMBO. The Kornblihtt lab works on the regulation of alternative pre-mRNA splicing to understand how transcriptional elongation, recruitment of splicing factors to the RNA polymerase and chromatin changes regulate splicing decisions.

Jiang Liu

liuj@big.ac.cn

Dr. Liu is a professor at Beijing Institute of Genomics, CAS. He is studying the reprogramming and inheritance of epigenetic information during animal development. He is also interested in the evolution of epigenetics in animals.