



# FASEB

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Science Research Conferences

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## Transcription, Chromatin and Epigenetics September 16 - 21, 2018 Florence, Italy

Organizers:

**François Fuks**

ULB-Cancer Research Center  
University of Brussels  
Belgium

**Anne Brunet**

Department of Genetics  
Stanford University  
USA

### Sunday, September 16, 2018

<u>Time</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
4:00 p.m. – 9:00 p.m.	Conference Registration	
6:00 p.m. – 7:00 p.m.	Welcome Reception	
7:00 p.m. – 8:00 p.m.	DINNER	
8:00 p.m. – 8:15 p.m.	<b>Welcome</b>	François Fuks & Anne Brunet
8:15 p.m. – 9:30 p.m.	<b>Keynote Speaker</b>	<b>Danny Reinberg</b> , NYU School of Medicine, USA

### Monday, September 17, 2018

<u>Time</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
7:30 a.m. – 12:00 p.m.	Conference Registration	
4:00 p.m. – 7:00 p.m.		
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<b>Session 1: Transcription and chromatin in gene regulation (Part I)</b>	
9:00 a.m. – 09:30 a.m.	<i>Transcriptome-wide distribution and function of RNA modifications</i>	<b>François Fuks</b> , University of Brussels (ULB), Belgium
9:30 a.m. – 9:45 a.m.	<i>Short Talk</i>	

<b>Time</b>	<b>Title/Topic Event</b>	<b>Speaker</b>
9:45 a.m. – 10:15 a.m.	<i>Epigenetic modifications: their function and role in cancer</i>	<b>Tony Kouzarides</b> , The Gurdon Institute, UK
10:15 a.m. – 10:45 a.m.	<i>Coffee Break (Group Photo)</i>	
10:45 a.m. – 11:15 a.m.	<i>Epigenetics and chromatin in development and human disease</i>	<b>Ali Shilatifard</b> , Northwestern University Feinberg School of Medicine, USA
11:15 a.m. – 11:30 p.m.	<i>Short Talk</i>	
11:30 a.m. – 12:00 p.m.	<i>Making sense of non-coding transcription</i>	<b>Karen Adelman</b> , Harvard University, USA
12:00 p.m. – 1:30 p.m.	LUNCH	
1:30 p.m. – 2:00 p.m.	<b>Company presentations</b>	
1:30 p.m. – 1:45 p.m.	TBD	
1:45 p.m. – 2:00 p.m.	TBD	
2:00 p.m. – 5:00 p.m.	<b>Session 2: Transcription and chromatin in gene regulation (Part II)</b>	
2:00 p.m. – 2:30 p.m.	<i>Gene expression regulation at high resolution</i>	<b>Stirling Churchman</b> , Harvard Medical School, USA
2:30 p.m. – 3:00 p.m.	<i>Epigenetic pathways in senescence and aging</i>	<b>Shelley Berger</b> , University of Pennsylvania, USA
3:00 p.m. – 3:15 p.m.	<i>Short Talk</i>	
3:15 p.m. – 3:45 p.m.	<i>Coffee Break</i>	
3:45 p.m. – 4:15 p.m.	<i>Mammalian SWI/SNF (BAF) complex structure and function in human cancer</i>	<b>Cigall Kadoch</b> , Dana-Farber Cancer Institute, Harvard Medical School, USA
4:15 p.m. – 4:45 p.m.	<i>Unveiling polycomb functions in stem cells and cancer</i>	<b>Luciano Di Croce</b> , Centre for Genomic Regulation, Spain
4:45 p.m. – 7:30 p.m.	<b>Free time</b>	
7:30 p.m. – 8:30 p.m.	DINNER	
8:30 p.m. – 9:30 p.m.	<b>Poster Session 1</b>	

## Tuesday, September 18, 2018

<b>Time</b>	<b>Title/Topic Event</b>	<b>Speaker</b>
7:30 a.m. – 12:00 p.m.	Conference Registration	
4:00 p.m. – 7:00 p.m.		
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<b>Session 3: RNA modifications and long non-coding RNA (Part I)</b>	
9:00 a.m. – 9:30 a.m.	<i>How histone modification changes modulate aging and how aging alters histone modifications</i>	<b>Sylvia Lee</b> , Cornell University, USA
9:30 a.m. – 9:45 a.m.	Short Talk	TBD
9:45 a.m. – 10:15 a.m.	<i>Regulations and mechanisms of RNA modifications</i>	<b>Yun-Gui Yang</b> , Beijing Institute of Genomics, China.
10:15 a.m. – 10:45 a.m.	<i>Coffee Break</i>	
10:45 a.m. – 11:15 p.m.	<i>Mapping the functional mammalian epitranscriptome</i>	<b>Chengqi Yi</b> , Peking University, China.
11:15 a.m. – 11:30 p.m.	Short Talk	

<u>Time</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
11:30 p.m. – 12:00 p.m.	<i>RNA methylation in gene expression regulation</i>	<b>Chuan He</b> , University of Chicago, USA
12:00 p.m. – 1:30 p.m.	LUNCH and <b>Meet the Experts Session</b>	
1:30 p.m. – 2:00 p.m.	<b>Company Presentations</b>	
1:30 p.m. – 1:45 p.m.	TBD	
1:45 p.m. – 2:00 p.m.	TBD	
2:00 p.m. – 5:00 p.m.	<b>Session 4: RNA modifications and long non-coding RNA (Part II)</b>	
2:00 p.m. – 2:30 p.m.	<i>The cap epitranscriptome: diverse methyl codes in the extended mRNA cap structure regulates mRNA fate</i>	<b>Samie Jaffrey</b> , Weill Cornell Medicine, USA
2:30 p.m. – 3:00 p.m.	<i>Integrator regulates fidelity of termination</i>	<b>Anda Zhang &amp; Ramin Shiekhattar</b> , University of Miami, USA
3:00 p.m. – 3:15 p.m.	<i>Short Talk</i>	
3:15 p.m. – 3:45 p.m.	<i>Coffee Break</i>	
3:45 p.m. – 4:15 p.m.	<i>Germline reprogramming and epigenetic inheritance</i>	<b>Rob Martienssen</b> , Cold Spring Harbor, USA
4:15 p.m. – 4:45 p.m.	<i>Epigenetic mechanisms impact cell cycle and somatic copy number</i>	<b>John Whetstone</b> , Massachusetts General Hospital, USA
4:45 p.m. – 7:30 p.m.	<b>Free time</b>	
7:30 p.m. – 8:30 p.m.	DINNER	
8:30 p.m. – 9:30 p.m.	<b>Poster Session 2</b>	

## Wednesday, September 19, 2018

<u>Time</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
7:30 a.m. – 12:00 p.m.	Conference Registration	
4:00 p.m. – 7:00 p.m.		
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<b>Session 5: Chromatin complexes</b>	
09:00 a.m. – 09:30 a.m.	<i>Histone methylation in differentiation and disease</i>	<b>Kristian Helin</b> , University of Copenhagen, Denmark
9:30 a.m. – 9:45 a.m.	<i>Short Talk</i>	
9:45 a.m. – 10:15 a.m.	<i>Enhancers in development</i>	<b>Joanna Wysocka</b> , Stanford University, USA
10:15 a.m. – 10:45 a.m.	<i>Coffee Break</i>	
10:45 a.m. – 11:15 a.m.	<i>Polycomb proteins and 3D epigenetic regulation of development</i>	<b>Giacomo Cavalli</b> , Institute of Human Genetics CNRS, France
11:15 a.m. – 11:30 a.m.	<i>Short Talk</i>	
11:30 a.m. – 12:00 p.m.		
11:30 a.m. – 12:00 p.m.	<i>Targeting the Epigenome</i>	<b>Mark Dawson</b> , University of Melbourne & Peter MacCallum Cancer Centre, Australia
12:00 p.m. – 1:00 p.m.	LUNCH	
1:00 p.m. – 5:30 p.m.	<b>Group Activity: Florence visit</b>	
5:30 p.m. – 8:15 p.m.	<b>Session 6: Aging and chromatin (Part I)</b>	

<u>Time</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
5:30 p.m. – 6:00 p.m.	<i>Epigenetic regulation of aging</i>	<b>Anne Brunet</b> , Stanford University School of Medicine, USA
6:00 p.m. – 6:15 p.m.	Short Talk	
6:15 p.m. – 6:45 p.m.	<i>Epigenetic Changes and Somatic Retrotransposition in Cellular Senescence and Aging</i>	<b>John Sedivy</b> , Brown University, USA
6:45 p.m. – 7:00 p.m.	<i>Coffee Break</i>	
7:00 p.m. – 7:30 p.m.	The declining responsiveness of the aging immune system	<b>Duygu Ucar</b> , The Jackson Laboratory for Genomic Medicine, USA
7:30 p.m. – 8:30 p.m.	<b>Career Development Workshop</b>	
7:30 p.m. – 8:00 p.m.	Career in academia	TBD
8:00 p.m. – 8:30 p.m.	Career in industry	TBD
8:30 p.m. – 9:30 p.m.	DINNER	

## Thursday, September 20, 2018

<u>Time a.m. – Time p.m.</u>	<u>Title/Topic Event</u>	<u>Speaker</u>
7:30 a.m. – 12:00 p.m., 4:00 p.m. – 6:00 p.m.	Conference Registration	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
7:30 a.m. – 12:00 p.m.	Conference Registration	
9:00 a.m. – 12:00 p.m.	<b>7: Aging and chromatin (Part II)</b>	
9:00 a.m. – 9:30 a.m.	<i>The dynamic epigenome – challenges and opportunities for healthy aging and longevity</i>	<b>Peter Adams</b> , Sanford Burnham Prebys Medical Discovery Institute, USA
9:30 a.m. – 9:45 a.m.	Short Talk	
9:45 a.m. – 10:15 a.m.	<i>Quantitating how daf-2/iis mutants maintain “quality of life” phenotypes with age</i>	<b>Coleen Murphy</b> , Princeton University, USA
10:15 a.m. – 10:45 a.m.	<i>Coffee Break</i>	
10:45 a.m. – 11:15 a.m.	<i>Regulation of genomic processes by chromatin assembly and disassembly</i>	<b>Jessica Tyler</b> , Weill Cornell Medicine College, USA
11:15 a.m. – 11:30 a.m.	Short Talk	
11:30 a.m. – 12:00 a.m.	<i>Single cell epigenome landscape of development and ageing</i>	<b>Wolf Reik</b> , Babraham Institute, UK
12:00 p.m. – 12:30 p.m.	<b>Business Meeting</b>	
12:30 p.m. – 1:30 p.m.	LUNCH	
1:30 p.m. – 4:30 p.m.	<b>Free time</b>	
4:30 p.m. – 7:30 p.m.	<b>Session 8: Cancer epigenetics</b>	
4:30 p.m. – 5:00 p.m.	<i>PRDM15 promotes lymphomagenesis by transcriptionally rewiring B cells metabolism</i>	<b>Ernesto Guccione</b> , A Star & National University of Singapore, Singapore
5:00 p.m. – 5:30 p.m.	<i>Regulation of carcinogen susceptibility</i>	<b>Ashby Morrison</b> , Stanford University, USA
5:30 p.m. – 6:00 p.m.	<i>Epigenetic regulation by histone acetylation</i>	<b>Asifa Akhtar</b> , Max Planck Institute, Germany
6:00 p.m. – 6:15 p.m.	<i>Coffee Break</i>	

<b>Time a.m. – Time p.m.</b>	<b>Title/Topic Event</b>	<b>Speaker</b>
6:15 p.m. – 6:45 p.m.	<i>How to interrogate epigenetic events in live cells</i>	<b>Danette Daniels</b> , Promega, USA
6:45 p.m. – 7:00 p.m.	Short Talk	
7:00 p.m. – 7:30 p.m.	<i>How epigenetic targets are being used to treat human disease</i>	<b>Rab Prinjha</b> , GlaxoSmithKline, UK (TBC)
8:00 p.m. – 11:00 p.m.	DINNER/Special Event	

## Friday, September 21, 2018

<b>Time a.m. – Time p.m.</b>	<b>Title/Topic Event</b>	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m.	DEPARTURES	

### END OF CONFERENCE

For additional information contact:  
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