



# FASEB

Federation of American Societies  
for Experimental Biology

Science Research Conferences

[www.faseb.org/src](http://www.faseb.org/src)

## 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

| Time                  | Title/Topic Event       | Speaker   |
|-----------------------|-------------------------|---|
| 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

| Time                   | Title/Topic Event   | Speaker  |
|------------------------|---|--|
| 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>   |  |

| <u>Time</u>             | <u>Title/Topic Event</u>   | <u>Speaker</u>  |
|-------------------------|--|---|
| 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>Profiling the nascent transcriptome with direct RNA nanopore sequencing</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

| <u>Time</u>                                     | <u>Title/Topic Event</u>  | <u>Speaker</u>  |
|---|---|---|
| 7:30 a.m. – 12:00 p.m.<br>4:00 p.m. – 7:00 p.m. | Conference Registration   |   |
| 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.                           | <i>Short Talk</i>   | 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.               |

| <u>Time</u>             | <u>Title/Topic Event</u>  | <u>Speaker</u>  |
|-------------------------|---|---|
| 11:15 a.m. – 11:30 p.m. | Short Talk  |   |
| 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<br><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>Control of mRNA fate by reversible epitranscriptomic nucleotide modifications at internal sites and in mRNA caps</i> | <b>Samie Jaffrey</b> , Weill Cornell Medical College, USA                             |
| 2:30 p.m. – 3:00 p.m.   | <i>Integrator regulates fidelity of termination</i>   | <b>Ramin Shiekhattar</b> , University of Miami, USA                                   |
| 3:00 p.m. – 3:15 p.m.   | Short Talk  |   |
| 3:15 p.m. – 3:45 p.m.   | Coffee Break  |   |
| 3:45 p.m. – 4:15 p.m.   | <i>Epigenetically activated small RNAs mediate chromosome segregation and dosage</i>                                    | <b>Robert Martienssen</b> , Cold Spring Harbor & Howard Hughes Medical Institute, USA |
| 4:15 p.m. – 4:45 p.m.   | <i>Epigenetic mechanisms impact cell cycle and somatic copy number</i>  | <b>John Whetstine</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.<br>4:00 p.m. – 7:00 p.m. | Conference Registration  |   |
| 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.                           | Short Talk   |   |
| 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.                         | Coffee Break   |   |
| 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.                         | Short Talk   |   |
| 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>                                |   |

| <u>Time</u>           | <u>Title/Topic Event</u>   | <u>Speaker</u>   |
|-----------------------|--|--|
| 5:30 p.m. – 8:15 p.m. | <b>Session 6: Aging and chromatin (Part I)</b>   |  |
| 5:30 p.m. – 6:00 p.m. | <i>Epigenetic and Metabolic 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. | <i>The chromatin accessibility signature of aging in human blood leukocytes stems from CD8+ T cell</i> | <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. | <i>Career in academia</i>  | TBD  |
| 8:00 p.m. – 8:30 p.m. | <i>Career in industry</i>  | 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.,<br>4:00 p.m. – 6:00 p.m. | Conference Registration   |  |
| 7:30 a.m. – 9:00 a.m.                            | BREAKFAST   |  |
| 9:00 a.m. – 12:00 p.m.                           | <b>Session 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>Insulin Signaling and Quality of Life 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 p.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>Genome architecture regulates carcinogen susceptibility and mutagenesis</i>              | <b>Ashby Morrison</b> , Stanford University, USA                               |

| <b>Time a.m. – Time p.m.</b> | <b>Title/Topic Event</b>   | <b>Speaker</b>                                      |
|------------------------------|--|---|
| 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>  |   |
| 6:15 p.m. – 6:45 p.m.        | <i>Understanding the functional pathway of BET family degradation compound</i> | <b>Danette Daniels</b> , Promega Corporation, 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:  
 FASEB Science Research Conferences  
 9650 Rockville Pike  
 Bethesda, MD 20814

[www.faseb.org/src](http://www.faseb.org/src)