



<https://sibbm2019.azuleon.org/programme.php>

Programme

Tuesday, 11 June



11:00-19:00 **Opening & Registration**

13:00

Welcome

Magnifico Rettore dell'Alma Mater Studiorum - Università di Bologna

Direttore Generale della Fondazione Golinelli

Valeria Poli

Giovanni Capranico

Functional diversity of DNA repair mechanisms

CHAIRS: Philip Avner and Fabiola Moretti

13:15-13:45

Marco Foiani, IFOM, Milan, Italy

Mechanisms coordinating replication and transcription

13:45-14:15

EMBL Lecture

Julian Sale, MRC Laboratory of Molecular Biology, Cambridge, UK

Monitoring replication of DNA secondary structures through the lens of the epigenome

14:15-14:45

Philippe Pasero, CNRS, Université de Montpellier, France

Spontaneous replication stress as a source of genomic instability and inflammation in cancer

14:45-15:15

ABCD Lecture

Yves Pommier, NIH, National Cancer Institute, Bethesda, USA

Schlafen 11: a native immune response gene engaged by DNA damage and replication stress

15:15-15:45

Coffee break

15:45-16:15	<p>Armenise Lecture</p> <p>Vincenzo Costanzo, <i>IFOM, Milan, Italy</i></p> <p>BRCA1, BRCA2 and RAD51: The guardians of vertebrate genome stability</p>
16:15-17:00	<p>Talks selected from abstracts</p> <p>Stefano Amente, <i>University of Naples "Federico II", Italy</i></p> <p>Genome-wide mapping of 8-oxo-7,8-dihydro-2'-deoxyguanosine reveals accumulation of oxidatively-generated damage at the promoter regions of transcribed genes in human genome</p> <p>Giulia Nava, <i>University of Milan, Italy</i></p> <p>RNase H activities counteract a toxic effect of Polymerase η in cells replicating with depleted dNTP pools</p> <p>Roberto Giamb Bruno, <i>IEO, Milan, Italy</i></p> <p>Protein arginine methyltransferase 1 (PRMT1) promotes senescence-associated secretory phenotype (SASP) in response to DNA damage</p>
17:00-18:30	<p>Poster Session 1 (odd numbers)</p>
18:30-20:30	<p>Science and Society</p> <p>CHAIR: Valeria Poli and Gennaro Ciliberto</p> <p>Human Technopole and the future of Italian research <i>a round table with Iain Mattaj, Director of the Human Technopole Foundation in Milan</i> <i>This Session is for a general audience and can be followed on streaming on youtube</i></p>
20:30	<p>Light dinner and meet-the-speaker</p>
23:00	<p>Shuttle to Bologna city centre</p>



Nucleic acid sensing: from microbes to eukaryotes

CHAIRS: Valeria Poli and Marco Muzi Falconi

- 8:30-8:40 **Introduction to *Riccardo Cortese Lecture* by Valeria Poli**
- 8:40-9:10 **Riccardo Cortese Lecture**
Francisco Mojica, *Universidad de Alicante, Spain*
CRISPR immunization
- 9:10-9:40 **Gabriella Campadelli-Fiume**, *University of Bologna, Italy*
Oncolytic viruses heat the immune-cold tumors
- 9:40-10:10 **EMBO Young Investigator Lecture**
Jan Rehwinkel, *University of Oxford, UK*
SAMHD1 at the crossroads of nucleotide metabolism and cell death
- 10:10-10:55 **Talks selected from abstracts**
Mila Gugnoni, *IRCCS, Reggio Emilia, Italy*
RUNX2 in cancer progression: regulation and mechanisms of action

Eva Bartok, *University Hospital Bonn, Germany*
Endosomal RNases regulate the innate immune response to TLR7 and TLR8

Simone Sabbioneda, *CNR, Pavia, Italy*
UBR5 interacts with the replication fork and protects DNA replication from DNA polymerase η toxicity
- 10:55-11:15 **Coffee break**

11:15-12:00 **Premio Chiara D'Onofrio**
Diego Pasini, *IEO and University of Milan, Italy*
Epigenetic control of cell identity by chromatin modifiers

12:00-13:30 **Poster Session 2 (even numbers)**

13:30-14:15 **Lunch**

Epitranscriptome, RNA editing and new technologies

CHAIRS: **Giulio Pavesi** and **Salvatore Oliviero**

14:15-14:45 **Kazuko Nishikura**, *The Wistar Institute, Philadelphia, USA*
Regulation of R-loop formation and genome stability by ADAR RNA editing enzymes

14:45-15:15 **Giancarlo Mauri**, *University of Milano Bicocca, Italy*
Modelling and data integration in cancer research

15:15-15:25 **Gold sponsor Menarini Ricerche S.p.A.**
Giuseppe Merlino
MEN1309/OBT076, a first-in-class Antibody-Drug-Conjugate (ADC) targeting CD205 in solid tumors

15:25-15:55 **Rosalba Giugno**, *University of Verona, Italy*
Network approaches to multi-omics analysis of complex diseases

15:55-16:25 **Coffee break**

16:25-16:55 **Anna Cereseto**, *University of Trento, Italy*
From user- to genome-friendly CRISPR-Cas

16:55-17:40 **Talks selected from abstracts**
Matteo Chiara, *University of Milan, Italy*
Comparative assessment of the sequencing biases of SMRT and ONT sequencing technologies

Isaia Barbieri, *University of Cambridge, UK*
METTL1 promotes let-7 microRNA processing via m7G methylation

Lisa Marie Simon, *University of Turin, Italy*
In vivo analysis of the influenza A mRNA secondary structure landscape identifies critical regulatory motifs

17:40-18:40 **Poster 1 & 2**

18:40-20:00 **General annual assembly of SIBBM (reserved to members)**

20:45 **Social dinner in downtown Bologna**



Nucleic acid sensing and immune response in diseases

CHAIRS: Tiziana Bonaldi and Giovanni Capranico

- 8:30-9:00 **Mario P. Colombo**, *Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy*
Neutrophils- and lymphocytes-released DNA threads in cancer and autoimmunity
- 9:00-9:30 **Gunther Hartmann**, *University of Bonn, Germany*
RIG-I-induced innate immune memory
- 9:30-10:30 **Talks selected from abstracts**
- Antonio Totaro**, *University of Padua, Italy*
Cell phenotypic plasticity requires autophagic flux driven by YAP/TAZ-mechanotransduction
- Federica Marasca**, *INGM, Milan, Italy*
LINE1 enriched chromatin RNAs govern T lymphocytes' identity and functions
- Lisa Wiesmueller**, *Ulm University, Germany*
Vpu modulates DNA repair to suppress innate sensing and hyper-integration of HIV-1
- Francesca Pisani**, *CNR, Naples, Italy*
Coupling DNA replication to sister chromatid cohesion: the role played by the Warsaw breakage syndrome DNA helicase DDX11/ChIR1 and the replication fork-protection factor Timeless
- 10:30-11:30 **Coffee break**
- 11:30-12:00 **Martin Reijns**, *University of Edinburgh, UK*
Combatting the enemy within: intracellular surveillance of genome instability
- 12:00-12:30 **Marco E. Bianchi**, *University Vita-Salute San Raffaele, Milan*
Activated macrophages eject histones associated to the outer surface of microvesicles
- 12:30-12:50 **Prizes, Travel grants and Farewell**

