

SESSION 2 *Chair – Julian Stingele*

15:45 – 16:25 *Invited speaker - Maria-Elena Torres-Padilla, Helmholtz Center, Munich*
“Genome fidelity during reprogramming and early development”

Abstracts selected for talks

16:25 – 16:45 Pei-Chi Wei, German Cancer Research Center, Heidelberg
“Transcription and replication dynamic shapes neuronal genomes”

16:45 – 17:05 Maria Arroyo-Lopez, University of Darmstadt
“Role of histone variants on DNA replication progression”

17:05 – 17:25 Ivan Mikicic, Institute of Molecular Biology, Mainz
“Replication stress phosphoproteomics uncovers regulation of RNaseH1 by phosphorylation”

17:25 – 17:45 Stephan Hamperl, Helmholtz Center, Munich
“The CGG triplet repeat binding protein 1 counteracts DNA secondary structure-induced transcription-replication conflicts”

18:00 – 21:45 **Welcome Reception**

18:30 – 21:30 **Poster Session I**

Day 2 - Thursday 14. September 2023

SESSION 3 Chair - *Philippe Pasero*

09:00 – 09:40 *Invited speaker - Dmitri Churikov, Cancer Research Center, Marseille*
“Telomerase induction in p21-positive cells counteracts capillary rarefaction and pulmonary emphysema”

Abstracts selected for talks

09:40 – 10:00 Olivier Gavet, Institute Gustav Roussy, Villejuif
“DNA replication checkpoint overrides upon replication stress translates to p53-dependent G1 arrest in daughter cells”

10:00 – 10:20 Aswin Mangerich, University of Potsdam
“NAD⁺ acts as a protective factor in cellular stress response towards DNA alkylating agents”

10:20 – 10:40 Bernd Kaina, Institute of Toxicology, Mainz
“DNA repair and genotoxic responses of monocytes, macrophages and other immunocompetent cells”

10:40 – 11:10 *Café Break*

SESSION 4 Chair - *Katrin Paeschke*

11:10 – 11:50 *Invited speaker - Angela Taddei, Institute Curie, Paris*
“Shedding new light on homologous recombination”

Abstracts selected for talks

11:50 – 12:10 Ron Jachimovicz, Max-Planck-Institute, Cologne
“UBQLN1 represses Homologous Recombination and drives genome instability”

12:10 – 12:30 Jihane Basbous, Institute of Human Genetics, Montpellier
“Compartmentalization of the SUMO/RNF4 pathway by SLX4 drives DNA repair”

12:30 – 12:50 Lorenzo Galanti, Max-Planck-Institute, Munich
“Dbf4-dependent kinase (DDK) promotes resection of DNA double strand breaks and repair via homologous recombination”

12:50 – 13:50 *Lunch Break (Cold lunch)*

SESSION 5 *Chair - Petra Beli*

13:50 – 14:30 *Invited speaker - Martin Eilers, University of Würzburg*
“Phase Transitions of MYC proteins and the maintenance of genomic stability”

Abstracts selected for talks

14:30 – 14:50 Ingrid Tessmer, University of Würzburg
“Direct hOGG1-Myc interactions inhibit hOGG1 catalytic activity and recruit Myc to its promoters under oxidative stress”

14:50 – 15:10 Benoit Palancade, Institute Jaques Monod, Paris
“Benign DNA:RNA hybrids accumulate as a consequence of replication-associated Damage”

15:10 – 15:30 Ali Bakr, German Cancer Research Center, Heidelberg
“ARID1A regulates epigenetic marks for DSB repair and transcription silencing”

15:30 – 16:00 *Café Break*

SESSION 6 *Chair - Raphael Ceccaldi*

16:00 – 16:40 *Invited speaker - Alessandro Sartori, Institute for Molecular Cancer Research, Zurich*
“Targeting DSB Repair in Cancer: hopes & pitfalls”

Abstracts selected for talks

16:40 – 17:00 Virginie Petrilli, Cancer Research Center, Lyon
“NLRP3 is a novel DNA repair protein”

17:00 – 17:20 Daniele Musiani, Institute Curie, Paris
“Targeting NAD⁺-dependent uracil excision repair kills BRCA1/2-deficient tumors through unrestrained SMUG1 activity”

17:20 – 17:40 Thomas Hofmann, Institute of Toxicology, Mainz
“HIPK2 regulates homology-directed DNA repair and PARPi sensitivity”

17:40 – 18:40 **Poster Session II**

19:30 ***Conference Dinner at “HEILIGGEIST” Restaurant, Mainz***

Day 3 – Friday 15. September 2023

SESSION 7 Chair - **Boris Pfander**

09:00 – 09:45 *Invited speaker* - Clotilde Thery, Institute Curie, Paris
“Extracellular vesicles and co-isolated factors in tumor-immune system crosstalk”

Abstracts selected for talks

09:45 – 10:05 Rayk Behrendt, Institute of Clinical Chemistry and Pharmacology, Bonn
“Malignant transformation and innate immune activation in the absence of ribonucleotide excision repair”

10:05 – 10:25 Alice Billie Libri, Institute Pasteur, Paris
“Senataxin promotes inversional V(D)J recombination”

10:25 – 10:45 Philippe Pasero, Institute of Human Genetics, Montpellier
“Postreplicative RNA:DNA hybrids as a source of replication stress and inflammation”

10:45 – 11:15 *Café Break*

SESSION 8 Chair - **Björn Schumacher**

11:15 – 12:00 *Invited speaker* - Bernardo Reina San Martin, IGBMC, Strasbourg
“Fam72a controls the balance between error-prone and error-free DNA repair during antibody diversification”

12:00 – 12:20 Françoise Dantzer, University of Strasbourg
“Latest discoveries on PARP3 beyond DNA repair”

DGDR Stefan Jentsch Award-Lecture

12:20 – 12:50 Arturo Bujarrabal-Dueso, Institute for Genome Stability in Aging and Disease, Cologne
“The DREAM complex functions as master regulator of somatic DNA repair capacities”

12:50 – 13:00 **Poster Awards**

13:00 – 13:05 **Closing remarks** Björn Schumacher - President of the German Society for Research on DNA Repair

13:05 **End of Meeting & Departure**