

EXPLOITING SYNTHETIC DNA LESIONS TO PINPOINT THE CRITICAL REPAIR PATHWAYS

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02.00 pm

Seminar Room DAME -
Department of Medicine
P.Le Kolbe 4, Udine

DNA damage is a well-recognised causal factor of gene dysfunction in cancers and age-related diseases. Because DNA of all living cells is constantly exposed to a variety of reactive endogenous metabolites and environmental toxicants, DNA damage can never be fully avoided and its complexity comprises dozens of structurally different DNA modifications (“DNA lesions”). Knowledge of the lesion-specific responses of cells is required to characterise hazards of exposure to specific genotoxic agents and, from the translational perspective, to identify molecular susceptibility markers and potential targets for personalised therapeutic interventions.



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SPEAKER

Andriy Khobta,
PhD

Institute of Toxicology,
University Medical Center
Mainz

Johannes Gutenberg
University Medical Center,
Institute of Toxicology,
Obere Zahlbacher Str. 67,
55131 Mainz

Phone: +49-6131-179271;
khobta@uni-mainz.de

ORGANIZER

Prof. Tell
Gianluca

Head of the Laboratory
Of Molecular Biology
and DNA repair
Director of the B.Sc.
in Biotechnologies
Department of Medicine,
University of Udine
gianluca.tell@uniud.it