IFOM ETS - KU JOINT / ATW2023 SATELLITE MINI-SYMPOSIUM

ミニシンポジウム開催のお知らせ

DATE

March 1, 2023
13:30 - 15:30

VENUE

医学研究科B棟３階基礎第一講堂
Main Auditorium, Medical B-building 3rd Floor

今般，イタリア分子癌研究所(IFOM ETS)の研究者がA-T Workshop 2023で来日する好機を活用し，DNA傷害応答分野のエキスパートを京都大学に招き，ミニシンポジウムを開催いたします．分野を牽引する研究者と直接交流できるまたとない機会ですので，ぜひ奮ってご参加ください．

Program:

13:30- **Mechanisms of replication fork protection: the role of DNA recombination proteins**

Vincenzo Costanzo, IFOM ETS
PI (DNA Metabolism Unit)
Associate Professor of General Pathology (University of Millan)

Vincenzo has shown that BRCA2 prevents the occurrence of aberrant replication intermediates and single stranded DNA gaps, playing a major role in DNA replication. Furthermore, his lab was the first to directly visualize DNA loops formed by chromatin, revealing the internal structure of the centromere, and to show that repetitive DNA fails to activate DNA damage signaling.

14:10- **Topological mechanisms mediating intra- and inter-chromosomal interactions**

Marco Foiani, IFOM ETS
PI (Genome Integrity Unit)
Professor of Molecular Biology (University of Millan)

Marco's major contributions are within the fields of chromosome dynamics and genome integrity. His work has contributed to elucidate the ATR and ATM-dependent checkpoint processes controlling the interfaces between DNA replication, recombination, transcription and DNA topology and preventing abnormal chromosome transitions. In recent years, focus of his research has geared more towards the connections between cell metabolism and genome integrity pathways and between chromosome dynamics and mechano-transduction circuits controlling cell and nuclear plasticity.

14:50- **The interplay between innate DNA and RNA sensing prevents age-associated cancer initiation**

Jan Karlseder, The Salk Institute for Biological Studies
Donald and Darlene Shiley Chair Professor
Director, Paul F. Glenn Center for Research on Biology of Aging

Jan focuses on understanding the roles of mammalian telomeres in the cell division process, on telomere metabolism during the cell cycle, and on the roles of telomeres in proliferative boundaries and cancer initiation. He made a great conribution to an understanding of the synergies between telomeres, innate immune signaling, inflammation and cellular aging, and how these pathways protect organisms from age-associated cancer initiation.

Organizer：林眞理（医学研究科・IFOM-KU国際共同ラボ），原田浩（生命科学研究科・放射線生物研究センター）
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