



# ICGEB

International Centre for Genetic  
Engineering and Biotechnology

Developing  
Knowledge

## ICGEB International SEMINAR PROGRAMME 2018

Wednesday, 2 May 2018 | 3:00 pm | ICGEB Seminar Room, W building | Padriciano, 99, Trieste, ITALY



### Alessandro VINDIGNI

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Aberrant DNA replication is one of the leading causes of mutations and chromosome rearrangements associated with several cancer related pathologies. At the same time, agents that stall or damage DNA replication forks are widely used for chemotherapy, in the attempt to selectively target highly proliferating cancer cells. We showed that replication fork reversal is a pivotal mechanism of replication stress response to chemotherapeutics that allows cancer cells to withstand DNA damaging chemotherapy. Our recent progress toward the understanding of factors involved in the formation and protection of reversed replication works will be discussed. These studies provide important clues on enzymes that can be targeted to prevent fork reversal and increase chemotherapy sensitivity.

## “Mechanisms of replication stress response to chemotherapeutics”

Host: A. Muro

Registered seminars are available on YouTube, iTunes and ICGEB Podcast at:

<http://www.icgeb.org/podcast-program.html>

More information at:

[seminars@icgeb.org](mailto:seminars@icgeb.org) | tel.: 040-3757377



Open event - Free entrance

