

Dipartimento di Biotecnologie e Bioscienze – UNIMIB

martedì 25 ottobre, 2022, ore 16:30, edificio BIOS, aula U3-07

Work in Progress seminar

FET proteins in the DNA damage response

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Abstract: The DNA damage response (DDR) is a complex network of mechanisms that cells evolved to maintain genome integrity. Recently, the members of the FET (FUS, EWS, TAF15) family of RNA-binding proteins are emerging as important players in the DDR, but while the function of FUS has been widely studied and partly unveiled, the role of EWS and TAF15 has not been clarified yet. My current work focuses on studying the function of these two proteins in the DDR, with a focus on the cellular response to double-strand breaks. To do so, our group is characterizing EWS- and TAF15-knockout cell lines through a combination of cellular and molecular approaches, as well as live-cell imaging.

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