

Dipartimento di Biotecnologie e Bioscienze – UNIMIB

martedì 8 novembre, 2022, ore 16:30, edificio BIOS, aula 2025

Work in Progress seminar

**PLN-R14del mutation:
pathogenetic mechanism in a transgenic
mouse model of dilated cardiomyopathy**

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Abstract: The sarco/endoplasmic Ca^{2+} ATPase 2a (SERCA2a) and its inhibitor phospholamban (PLN) play a key role in cardiac excitation-contraction coupling. The heterozygous human PLN-R14del mutation is associated with an arrhythmogenic dilated cardiomyopathy with clinical onset at middle age. We tried to shed light on the pathophysiology by evaluating intracellular Ca^{2+} dynamics and metabolism in ventricular cardiomyocytes isolated from heterozygous (Mut) mice and WT littermates in a presymptomatic stage. Further studies will clarify the interplay between alterations in Ca^{2+} dynamics and mitochondrial derangements in the PLN-R14 del pathogenesis.

Gli attestati di partecipazione al seminario saranno emessi SOLO per la partecipazione IN PRESENZA e sono validi anche per l'acquisizione dei CFU, per maggiori informazioni visitare la pagina web del seminario

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