BIOTECHNOLOGY AND BIOSCIENCES SEMINARS

Dipartimento di Biotecnologie e Bioscienze – UNIMIB

Thursday, June 22, 2023, 4:30 p.m., BIOS building, room U3-07 / Webex

Shank3 related autism:
from cell biology to new treatment opportunities

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Abstract: Mutations or deletions in the SHANK3 gene have been found in approximately 1% of individuals with autism spectrum disorder, and they are recognized as the primary cause of neuropsychiatric symptoms in Phelan McDermid syndrome (PMS). The absence of effective treatments for PMS underscores the critical need to elucidate the molecular mechanisms underlying this disorder. By employing mouse models and hiPSCs, we have identified functional pathways that are disrupted in the absence of Shank3. This research is crucial for the identification of novel therapeutic targets, with the ultimate goal of developing potential therapies for patients with PMS or SHANK3 mutations.

Host: **Veronica Krenn**

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