

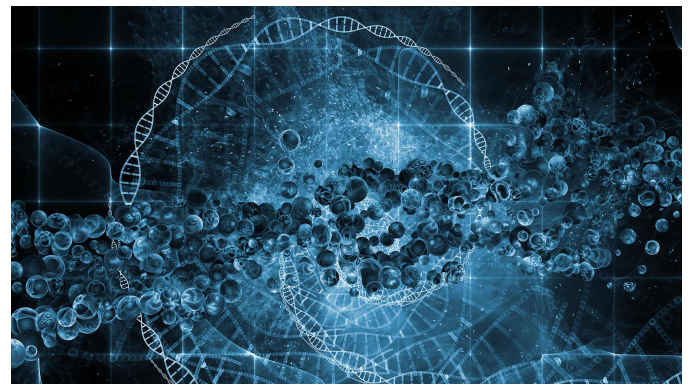
**Dipartimento di Biotecnologie e Bioscienze – UNIMIB**

Thursday, June 27, 2024, 4:30 p.m., U3-BIOS building, room U3-08

# Selective phase separation of transcription factors is driven by orthogonal molecular grammar

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**Abstract:** Protein production is critically dependent on gene transcription rates, which are regulated by RNA polymerase and a large collection of transcription factors (TFs). Previous studies identified the formation of super-enhancer regions where increased transcriptional activity is observed. This has been linked to phase separation, in which the differential condensation behaviour of separate TF families has been hypothesised to cause the selectivity in gene expression. The underlying molecular forces ...

**Host: Marina Lotti - Stefania Digiovanni**

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