BtBs Seminars

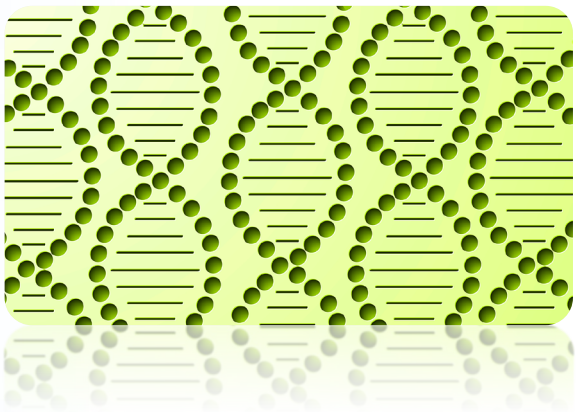
Biotechnology and Biosciences Seminars

Dipartimento di Biotecnologie e Bioscienze

UNIVERSITÀ DEGLI STUDI DI MILANO BICOCCA

James T. Arnone

Department of Biological and
Environmental Sciences Le Moyne College;
Syracuse, New York; U.S.A.



Searching for Safe Harbors Throughout a Turbulent Genome: Lessons, Challenges, and Insights from the Budding Yeast, *Saccharomyces cerevisiae*

Genome organization and chromatin maintenance can exert position effects influencing gene expression within (and across) a genomic locus. Initial characterizations of this phenomenon came from the discovery that reporter genes integrated adjacent to heterochromatic regions are silenced by mechanisms coined the ‘Telomere Proximal Effect’ and ‘Position Effect Variegation’, both of which are widely conserved throughout eukaryotes. Our current understanding of the spatial effects influencing gene expression throughout a given locus at the local level is that they vary widely. Genome wide screening of position effects on gene expression has revealed significant variance in the levels of expression for identical reporter constructs…

Monday
March 10, 2025

2.00 pm
to 3.00 pm

U3-BIOS building
room 2025

Host: Prof. Vai
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