



DIPARTIMENTO DI FARMACIA E BIOTECNOLOGIE

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## **AVVISO DI SEMINARIO**

Il giorno giovedì **31 Ottobre 2019**  
alle ore **14:30**

presso l'Aula Ex Esercizi, Ex Istituto di Igiene, via San Giacomo 12,  
Bologna

**Prof. Alessandro Gardini, Ph.D.**

*Gene Expression and Regulation Program, The Wistar Institute,  
Philadelphia, PA, USA*

(ospite Prof. Perini)

terrà un seminario dal titolo:

**FROM NEAR AND FAR: ENHANCER AND  
PROMOTER DYNAMICS IN TRANSCRIPTION**

Collegli e studenti sono cordialmente invitati

*Commissione Ricerca e Attività Correlate - FaBiT*

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## ABSTRACT

Transcription regulation in higher eukaryotes is determined in large part through enhancer communication with target gene promoters. The evolutionarily conserved Integrator protein complex is a regulator of RNA polymerase and is commonly found at both enhancer sites and proximal promoters. Our work aims at elucidating the modular functions of the Integrator complex with a focus on I) priming and activation of tissue-specific enhancers and II) pausing and elongation of RNA polymerase at protein coding genes.

## BIOGRAPHICAL SKETCH



The Gardini lab studies the epigenetic control of transcription during cell differentiation and oncogenesis. Born and raised in Italy, Gardini obtained a B.S./M.S. in Medical Biotechnology at the University of Bologna and attended the graduate school of Molecular Medicine at the University of Milan. He trained as a postdoctoral fellow with Dr. Ramin Shiekhattar at the Center of Genomic Regulation in Barcelona, The Wistar Institute and the University of Miami Medical School. He joined the Wistar Institute as an Assistant Professor in 2015. Gardini is a scholar of the Leukemia Research Foundation and the American Cancer Society.