ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF
PHARMACY AND BIOTECHNOLOGY

CMB PhD School Seminars 2022-2023

On **September 26th, 2023**

at **3:00 p.m.**

Aula 2 Scienze Farmaceutiche, Via Belmeloro 6

*and **online*** on Microsoft Teams

https://teams.microsoft.com/l/meetup-join/19%3aN09c0NIyEssBnF7ObCyDOQwkgDWm1qdd9f7F2nJV9fw1%40thread.tacv2/1631519544944?context=%7b%22Tid%22%3a%22e99647dc-1b08-454a-bf8c-699181b389ab%22%2c%22Oid%22%3a%225a941351-ef41-4aa4-8771-fa50a6d62ca1%22%7d

Serena Sanulli PhD

Assistant Professor, Department of Genetics
Chan Zuckerberg Biohub Investigator
Stanford University School of Medicine

will hold a seminar on

"Genome organization across scales"

The 40-minutes scientific talk by Prof. Sanulli will be followed by a 30-minutes "Meet the speaker" Q&A session with the PhD students

ABSTRACT

Nuclear phase separation has been proposed to contribute to the functional organization of the genome. While this new perspective provides novel approaches to answering unsolved questions in genome biology, the mechanisms underlying phase separation and its function remain highly debated. I'll discuss our recent work that explores the mechanisms and functions of condensate formation by the heterochromatin protein 1 (HP1) by combining biophysics and genetics.

BIOGRAPHICAL SKETCH

Serena obtained her PhD in 2013 from the Université Pierre and Marie Curie in France, studying chromatin changes in development with Raphaël Margueron. She moved to San Francisco in 2014 for a post-doctoral training at UCSF with Geeta Narlikar and John Gross, where she applied biophysical methods to study chromatin structure and organization. In January 2021 she joined the Department of Genetics at Stanford University as an Assistant Professor, and she was named Chan Zuckerberg Biohub Investigator. In 2022, Serena was named Searle Scholar and received the NIH Innovator Award.

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