

BCH 252 Seminar Series



**Dr. Sihem Cheloufi, Assistant Professor,
Biochemistry Department , UC
Riverside**

**Seminar Title: “RNA and chromatin based
mechanisms of cellular plasticity ”**

Abstract: The research program in my laboratory is focused on investigating the epigenetic mechanisms that govern mammalian cell fate decisions using a combination of genetic, biochemical, and systems biology approaches. In particular, we focus on histone chaperone and RNA processing pathways using various cellular differentiation and reprogramming systems. We have recently expanded our work to investigate the regulation and function of endogenous retroviruses in cellular plasticity. In this talk, I will present our findings on the role of replication and transcription coupled histone chaperone pathways in the maintenance of hematopoietic lineages and how we can harness perturbing these pathways to understand the grammar of retrotransposon regulation and influence on cell fate decision.

Tuesday, November 28th, 2023 | 12:00 p.m. - 12:50 p.m. PST

In-Person: Genomics Auditorium 1102A

Host: Dr. Seán O'Leary