



Discovery Science
Emerging Scholars Lecture

“Kinase Chemical Genetics in the Closest Living Relatives of Animals”

Although all organisms use signal transduction to respond to external stimuli, the rise of multicellularity necessitated the evolution of signaling pathways to coordinate actions of individual cells into a singular response. As the closest living relatives of animals, choanoflagellates present a unique system to directly study the role of signaling pathways that were previously thought to be restricted to animals. High-throughput screening and activity-based kinase profiling within *Salpingoeca rosetta*, a choanoflagellate that differentiates into a rosette colony during its dynamic life history, provide evidence for a functional phosphotyrosine signaling repertoire that developed prior to the origin of animals.



Florentine Rutaganira, Ph.D.

HHMI Hannah H. Gray Fellow
University of California-Berkeley

Thursday
January 21, 2021
4:00 pm CT

Zoom

This lecture series features the most promising young scientists who are making notable discoveries as postdoctoral fellows or early career faculty.

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