

The evolution of a complex morphology at a single-cell resolution

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30/11/2021, 12:00, George Evens family auditorium, Sede Boqer Campus

Before the seminar we will have a gathering and mingling in front of George Evens family auditorium. Drinks and snacks will be provided. You are encouraged to bring your own coffee cups. Please join us at 11:45.

How does genome divergence lead to the evolution of animal body form? We address this question by studying the molecular causes of morphological evolution in *Drosophila*. In the first part of the talk, I will tell you how we deciphered the complete molecular mechanisms underlying the evolution of a relatively simple trait, and what we learned about the robustness of transcriptional systems. In the second part, I will tell you about our ongoing integrative single-cell genomics-based approach to uncover how complex morphologies evolve.

