

DIVISION OF BIOLOGICAL SCIENCES

[HOME](#) / [Research](#) / [Faculty](#) / [Scott Rifkin](#)

Scott Rifkin

Associate Professor

Section of Ecology, Behavior and Evolution

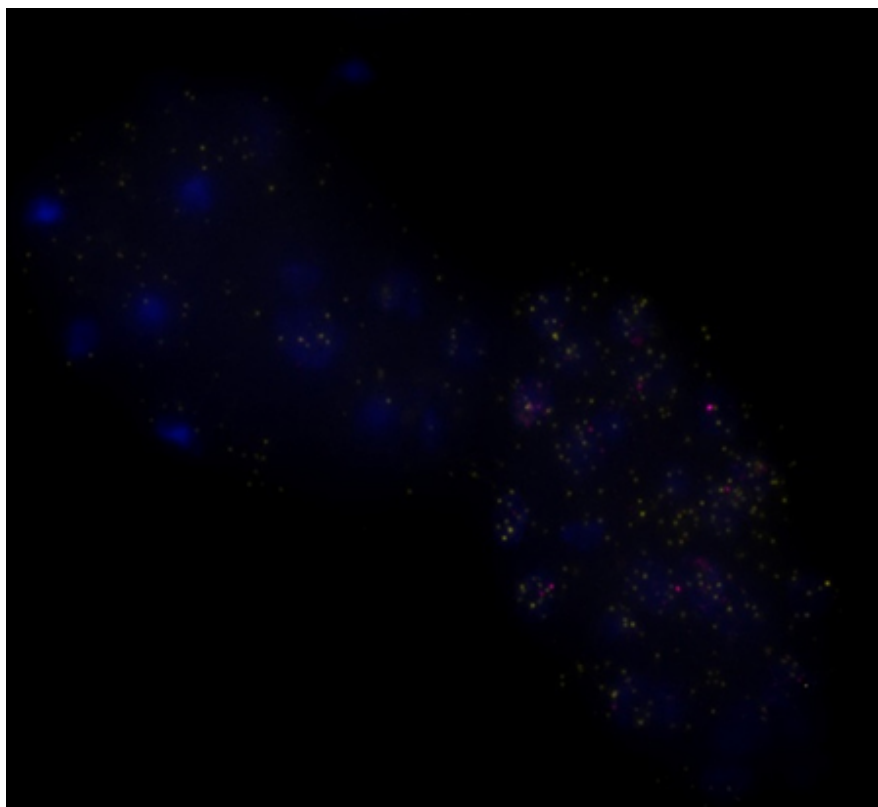
Research

Publications

Biography

Research

My laboratory studies how stochastic, genetic, and environmental variation is filtered through development and physiology to produce phenotypic variation and how evolutionary forces shape that process. We work primarily at the level of gene expression, taking advantage of technologies for visualizing gene expression dynamics at single-transcript resolution, among others. Current projects in the lab include probing the dynamics and robustness of the genetic networks underlying sex-determination and intestinal specification in nematodes and investigating how natural variation affects the dynamic properties of signaling and regulatory networks in yeasts.



Individual transcripts of *xol-1* (yellow) and *sdc-2* (red) in early *C. elegans* embryos. Blue spots are DAPI-stained nuclei.





[Lab Website](#)

sarifkin@ucsd.edu

| |
|--------------------------|
| Faculty |
| Faculty List |
| Academic Sections |
| Select Publications |
| Initiatives and Units |
| Facilities and Resources |

UC San Diego 9500 Gilman Dr. La Jolla, CA 92093 (858) 534-2230
Copyright © 2019 Regents of the University of California. All rights reserved.