



DEPARTMENT OF MATHEMATICS
Spring 2024 MATH Colloquium Series

Modeling Paradigms for Immune Cell Activity

**Dr. Kami Larripa, Amanda Case, Emmanuel Mezzulo,
Abigail Penland and Cheyenne Ty**

**Dept. of Mathematics
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In the process of immune cell polarization, these cells adopt distinct programs and perform specialized functions in response to specific signals. This has profound implications in the context of health and disease progression, such as cancer or Alzheimer's Disease. In this talk, we will consider three modeling paradigms that can be used to understand polarization and immune cell activity: deterministic, stochastic and agent-based. This talk will be jointly given with student researchers Amanda Case, Emmanuel Mezzulo, Abigail Penland and Cheyenne Ty.

Apr. 25, 2024
THURSDAY

4:00 PM
BSS#166

FOR MORE INFO GO TO [HTTPS://MATH.HUMBOLDT.EDU/GET-INVOLVED/MATHEMATICS-COLLOQUIUM](https://math.humboldt.edu/get-involved/mathematics-colloquium)
WE CORDIALLY INVITE YOU TO THE PRE-COLLOQUIUM TEA IN BSS#312
AT 3:30 PM