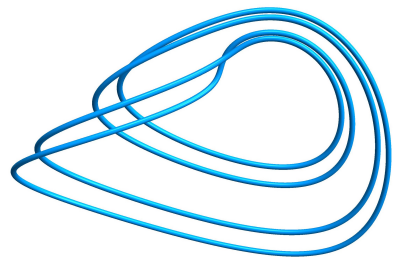


Dynamics Club



Featuring **Nonlinear Dynamics and Chaos** by Steven Strogatz, this book club will convene once a month to discuss established paradigms and analytic techniques in mathematical modeling, and showcase recent development in methods and applications in addressing key biological questions. All are welcome!

Launch event details

Scan for more meeting details!

Date: Jan 20, 2022 (Thur) at 11am-12noon (PT)
Venue: Zoom (Meeting ID: 957 7161 0057)
Host: Ivy Xiong (MacLean Lab, USC)
More info: <https://lingyunxiong.github.io/News/>



USCDornsife
Department of Quantitative
and Computational Biology

MACLEANLAB
Systems Biology

Dynamics Club

Summer 2022

Event 1

Date: Jun 9, 2022 (Thur) at 11am-12noon (PT)
Venue: USC RRI 421 & Zoom
Speaker: **Dr. Katherine Sheu** (Hoffmann Lab, UCLA)
Topic: NF- κ B oscillations in immune response



Event 2

Date: Jun 16, 2022 (Thur) at 11am-12noon (PT)
Venue: USC RRI 421 & Zoom
Speaker: **Yuhang Fan** (Wang Lab, Stanford)
Topic: Erk wave in whole-body regeneration

Event 3

Date: Jul 7, 2022 (Thur) at 11am-12noon (PT)
Venue: USC RRI 421 & Zoom
Speaker: **Dr. Breanne Sparta** (Deeds Lab, UCLA)
Topic: A lack of distinct cellular identities in single cell data



Event 4

Date: Jul 28, 2022 (Thur)
Venue: Zoom
Speaker: **Dr. Madhav Mani** (Northwestern University)
Topic: Physical biology of organisms



Event 5

Date: Aug 11, 2022 (Thur) at 11am-12noon (PT)
Venue: USC RRI 421 & Zoom
Speakers: **Colin Cess** (Finley Lab, USC)
Dr. Jesse Kreger (MacLean Lab, USC)
Topic: **Mathematical oncology**

Scan for remote meeting details!



More info: <https://lingyunxiong.github.io/DynamicsClub/>

USCDornsife
Department of Quantitative
and Computational Biology

MACLEANLAB
Systems Biology

Dynamics Club

Fall 2022

Upcoming Talk

**The influence of the endothelial surface layer
on the motion of red blood cells**

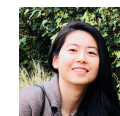


Speaker: **Dr. Ying Zhang**
Postdoctoral Fellow
Brandeis University

Date: Sept 22, 2022 (Thursday)
Time: 11am PST/2pm EST

Hybrid Event: UPC RRI 421
& Zoom

Meeting ID: 956 4691 7276
Passcode: 314626



Host:
Ivy Xiong (USC)
[@ivy_lxiong](https://twitter.com/ivy_lxiong)

More Information:



USCDornsife
Department of Quantitative
and Computational Biology

USC Stem Cell

Dynamics Club

Fall 2022



Upcoming Talk

Introducing CellRank 2

Speaker: **Philipp Weiler**
(PhD candidate, Theis Lab, Helmholtz Munich)

Date: Sept 26, 2022 (Monday) at 9am PST/6pm ECT
Zoom Meeting ID: 931 4081 8287
Passcode: 852724



Host:
Ivy Xiong (USC)
[@ivy_lxiong](https://twitter.com/ivy_lxiong)

More Information:



USCDornsife
Department of Quantitative
and Computational Biology

USC Stem Cell

Dynamics Club
Fall 2022

Guest Lecture on Pattern Formation

Dr. Dagmar Iber
ETH Zürich BSSE

Dr. Denis Menshykau
UCB (Industry Insight)

Date: Oct 20, 2022 (Thursday)
Time: 8:30-10am PST/5:30-7pm CET

Virtual Event on Zoom
Meeting ID: 931 9584 8878 Passcode: 665965

Host:
Ivy Xiong (USC)
[@ivy_lxiong](https://twitter.com/ivy_lxiong)

More information

USCDornsife
Department of Quantitative
and Computational Biology

USC Stem Cell

Dynamics Club
Fall 2022

Guest Lecture
**Controlling Oscillation Dynamics:
From Cell Cycle to Infectious Disease**

Dr. Steven Haase
Associate Professor (Duke University)

Date: Dec 15, 2022 (Thursday)
Time: 11am PST / 2pm EST

Virtual Event on Zoom
Meeting ID: 939 3172 2166 Passcode: 972585

Host:
Ivy Xiong (USC)
[@ivy_lxiong](https://twitter.com/ivy_lxiong)

More information

USCDornsife
Department of Quantitative
and Computational Biology

USC Stem Cell