

JINGHUI LIU

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EDUCATION

Massachusetts Institute of Technology PhD Candidate, Department of Physics Peking University Bachelor of Science in Physics	Cambridge MA, US 2016 - 2022 (Expected) Beijing, China 2012 - 2016
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RESEARCH INTEREST

Non-equilibrium Physics, Active Soft Materials

PUBLICATIONS

- **Liu J**, Totz J F, Miller P W, Dunkel J, Fakhri N. Topological braiding and bosonic phases on the cell membrane. In preparation.
- Tan T H*, **Liu J***, Miller P W*, Tekant M, Dunkel J, Fakhri N. (2020). Topological turbulence on the membrane of a living cell. Nature Physics, 1-6.
- Hoek T A, Axelrod K, Biancalani T, **Liu J**, Gore J. (2016). Resource availability modulates the cooperative and competitive nature of a microbial cross-feeding mutualism[J]. PLoS biology, 14(8).

CONTRIBUTED TALKS

2020	MIT Physics Departmental Special Tuesday Lunch Talk Series (Virtual)	Cambridge, MA
2020	APS March Meeting (Virtual)	Denver, CO
2019	Gordon Research Seminar on Soft Condensed Matter Physics , Colby-Sawyer College	New London, NH
2019	Theory of Living Systems Meeting , Boston University	Boston, MA
2019	APS March Meeting	Boston, MA
2018	Annual Biophysics Retreat , MIT	Provincetown, MA
2018	APS March Meeting	Los Angeles, CA

POSTERS

2019	Annual Biophysics Retreat, MIT	Provincetown, MA
2019	Gordon Research Conference on Soft Condensed Matter Physics , Colby-Sawyer College	New London, NH
2015	Annual Biophysics Retreat, MIT	Provincetown, MA
2015	Annual Undergraduate Research Honor Program in Biology Retreat, Peking University	Beijing, China
2014	Annual Undergraduate Research Honor Program in Biology Retreat, Peking University	Beijing, China

SELECTED AWARDS AND HONORS

- **Student Speaker Award Finalist**, GSNP (Topical Group on Statistical and Nonlinear Physics), APS Mar. 2020
- **Grand Poster Prize**, MIT Biophysics Retreat Oct. 2019
- **Morton E. Goulder Presidential Fellowship**, Department of Physics, MIT 2016 - 2017
- Wusi Scholarship, Peking University 2014 - 2015
- Weiming Scholarship for Undergraduate Research, Peking University 2013 - 2014

TEACHING AND SERVICES

Teaching Assistant , MIT course 8.241, "Introduction to Biological Physics" Sep. 2019 – May. 2020	Cambridge, MA
Departmental Advising Resources for Easing Friction and Stress (PhysREFS) 2019 - Current	Cambridge, MA
Environmental Chair, Edgerton Graduate Housing Committee 2018 - 2019	Cambridge, MA
Academics and Performance Departmental Chair, Student's Union in School of Physics 2013 - 2014	Beijing, China

ADDITIONAL INFORMATION

- **Language**: TOEFL 111 (Reading 30 + Listening 29 + Speaking 26 + Writing 26)

*: Authors contribute equally to the publication