

Diversity, Equity and Inclusion Committee, Microbiology Graduate Group

This seminar is part of an initiative led by the Diversity, Equity, and Inclusion committee in the UC Davis Microbiology Graduate Group. We would like to celebrate the research of scientists from historically excluded identities and would like to showcase their science and research stories to any who want to see themselves in STEM fields.

**Microbiology Diversity, Equity, and Inclusion Seminar
Series presents Dr. Karine Gibbs**

**Friday Seminar – 12:10-1 p.m.
Hybrid Meeting
GBSF 1005 and ZOOM Meeting**

“Social dynamics in bacterial swarms”**Research Bio**

Dr. Karine A. Gibbs studies the social behaviors of tiny organisms. Her team asks how bacteria recognize one another, engage in collective behaviors such as territory formation, and cause disease. They use molecular biology, biochemistry, and live-cell imaging to examine shapeshifting, fast-moving residents of humans and animals. Dr. Gibbs (A.B., Harvard University; Ph.D., Stanford University) is an Associate Professor of Plant and Microbial Biology at the University of California, Berkeley. She received a David and Lucile Packard Foundation Fellowship for Science and Engineering. Dr. Gibbs enjoys running and bicycling as well as the conversations that can arise.

Publications

Chittor A, **Gibbs KA**. (2022) The conserved serine transporter SdaC moonlights to enable self recognition. *J Bacteriol.* 204(1):e0034721. doi: 10.1128/JB.00347-21. PMID: 34662238. <https://journals.asm.org/doi/10.1128/JB.00347-21>

Tipping MJ, **Gibbs KA**. (2019) Peer pressure from a *Proteus mirabilis* self-recognition system controls participation in cooperative swarm motility. *PLOS Pathog.* 15(7):e1007885. doi: 10.1371/journal.ppat.1007885. PMID: 31323074. <https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1007885>

April
14



Karine Gibbs, Ph.D.
Associate Professor
Plant and Microbial Biology
University of California, Berkeley

**April 14, 2023
12:10 – 1 p.m.
Hybrid Meeting
GBSF 1005 and
ZOOM Meeting**

Medical Microbiology
and Immunology
School of Medicine

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We hope to see you there!