

# GDCB SEMINAR

Tuesday, September 6, 2022 — 1:10 p.m. \*

1414 Molecular Biology Building

## 'Single-cell resolution of plant response to bacterial infection'

**Abstract:** Plants can be infected by all pathogen classes, resulting in substantial losses for both pre- and post-harvest diseases. Research in the Coaker laboratory focuses on the host targets of secreted pathogen proteins as well as perception of pathogens by plant immune receptors. We study a variety of bacterial pathogens that colonize the plant xylem, phloem, and extracellular space. This seminar will focus on two research projects: (1) dissection of the plant response to bacterial infection using single cell RNA sequencing and cellular imaging and (2) the interaction between bacterial phloem-limited pathogens and their plant hosts.

**Host:** Joe Aung, assistant professor in the Department of Genetics, Development and Cell Biology



**Gitta Coaker**

University of California, Davis

Professor, Department of Plant Pathology

Graduate Program Chair

*\* Please note new time for GDCB Seminars.*

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