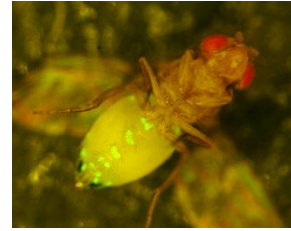


第43回 昆虫学格致セミナー

とき：2020年2月14日（金）15時00分～17時00分

ところ：京都大学農学部地下1階 N-074号室



Using Mass Spectrometry to Understand the Chemical Language of Insects

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Insects use a spectacular array of pheromones, specialized chemical signals, to find mates, identify kin, and mark territory. Elucidating the cellular and molecular basis of chemical communication provides a powerful means for tracing the neural pathways underlying complex behavior and understanding how sensory signals contribute to the evolution of species. In this talk, I will present work from my lab describing the development of behaviorally-oriented mass spectrometry methods and the application towards the discovery of novel pheromones in *Drosophila* (pomace fly) and pheromone biosynthesis pathways. I will also present preliminary findings describing a molecular pathway through which commensal microbes communicate with *Drosophila* hosts.

