

第 35 回 昆虫学格致セミナー

日時 : 2018 年 10 月 11 日 (木) 10 時 30 分 ~ 12 時 30 分

場所 : 京都大学農学部 1 階 N-074 号室

タイトル : Honey bee as a study model to connect social behavior with crop  
pollination

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The main focus of my research group is to understand the coordination foraging tasks of the honey bee *Apis mellifera*. This coordination is based on individual decisions and the social interactions that are established among colony members. The study of insect behavior in relation to communication systems and cognitive processes is of our interest; especially, the acquisition and evocation of information related to the exploited resources. This information may be acquired inside the colony (during interactions among individuals) or outside while foraging. We see such behavioral ecology results as fundamental for understanding foraging decisions of honey bees in the context of agricultural crops. Our current research lines focus on connecting aspects of social learning with communication systems of the honey bee, as well as evaluating the environmental impact of agriculture on this sentinel species and develop tools that increase its efficiency as crop pollinator.