昆虫バイオメディカル研究セミナー

日時：2 17 年 6 月 22 日（木）　午前 11 時　分～12 時　分

場所：2 号館 4 階 441 号室　　（応用生物学専攻　大学院演習室）

講演者

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講演タイ0 5

Benefits, cost, and tradeoff of defense mechanisms in Asian honey bee

講演要旨

Since the 1980s, the European honey bee (*Apis mellifera*) has been introduced and has successfully replaced the Asian honey bee (*Apis cerana*) in apiculture in Thailand and in much of South East Asia. However, *A. mellifera* is prone to many diseases and parasites especially parasitic mites, nosema and viruses. Our diseases and parasites surveys have shown that the native honey bees in Thailand are also affected by fungal, viral and nosema diseases as well as the parasitic mites but appear to be more resistant than *A. mellifera*. As, the incidence of Colony Collapse Disorder (CCD) and decline of populaton of *A.mellifera* have been recently reported in many parts of the USA and in European countries, resistance mechanisms are being investigated in the Asian honey bee in different levels in order to combat bee pathogens and parasites and provide alternative species of honey bee for the Thai beekeepers.

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