

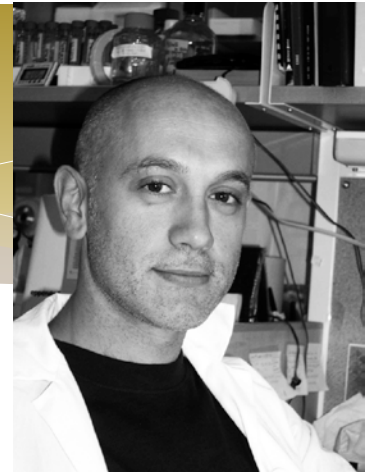
シグナル伝達医学講演会／大学院特別講義

“Eaters and beaters, a tale of macrophages in the heart”

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日時：2017年10月13日（金）17:00～18:30 場所：外来診療棟 5階 B講義室

Macrophages populate all tissues even in the absence of a damage, with tissue-specialized functions that range from metabolic in the liver to supporting hematopoiesis in the bone marrow. The healthy heart is heavily populated with a special type of macrophages, however their function in this tissue remains a mystery. I will present our ongoing work showing that what these cells do is eat cellular material. Part of this material derives from cardiomyocytes, in a process that allows recycling organelles of these beating cells. This process supports homeostasis of cardiomyocytes and ultimately preserves heart function. Our work suggests an unprecedented functional coupling of eaters (macrophages) and beaters (cardiomyocytes) in the heart.

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