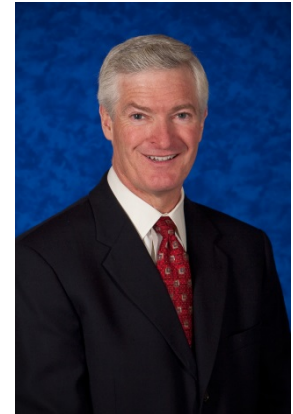


# 大学院特別講義のご案内



- ◆ 日時: 2013年5月21日(火) 17:00~19:00
- ◆ 場所: 口腔科学研究棟5F 弓倉記念ホール
- ◆ 講師: Prof. Kenneth M Hargreaves
- ◆ 演題: “The Role of Endogenous TRPV1 Agonists in Pain:  
New Targets for Developing Novel Analgesics”
- ◆ 要旨: Numerous studies have demonstrated that the receptor TRPV1 (transient receptor potential subtype V1) is critically important in many pain conditions including pain due to inflammation, surgery, cancer and burns. Although TRPV1 is known to be activated by capsaicin, a compound found in hot chilli peppers, the endogenous agonists for TRPV1 remained unknown. Recent studies have demonstrated that linoleic acid is oxidized to form metabolites that potently activate TRPV1. This includes 9-HODE and 13-HODE. This class of agents have been termed oxidized linoleic acid metabolites, or “OLAMs”. Studies have demonstrated that OLAMs are elevated in inflamed or burned skin and are released by certain sarcoma tumors. OLAMs are formed by oxidative enzymes including cytochrome P450. The application of CYP inhibitors blocks neuronal activation by linoleic acid and reduces inflammatory heat hyperalgesia. In addition, local injection of antibodies to 9- and 13-HODE produce peripherally mediated analgesia. Collectively, these studies identify a novel family of “endo-capsaicins” that activate TRPV1 and provide a novel approach for developing analgesics that block either the synthesis or actions of these compounds.

問い合わせ先: 歯科保存学教室(内線番号2927)

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↑フォントは任意ですが、タイトルは変更しないでください。

↓これらの項目を全て記載してください。

- ◆日時： 2013年4月1日 17:00～18:30
- ◆場所： F棟5階 弓倉記念ホール
- ◆講師： ○○ ○○(大阪大学歯学研究科・教授)
- ◆演題： ○○○○○○○○○○○○
- ◆要旨： フォント・背景デザインは任意です。

↓記載してください。

問い合わせ先：(教室名・内線電話番号)