

大学院特別講義のご案内

- ◆ 日時: 2013年10月26日(土) 17:30~18:30
- ◆ 場所: D棟2階 中会議室
- ◆ 講師: Alexandar Binshtok先生
(Israel・The Hebrew University・Professor)
- ◆ 演題: Pain Selective Anesthesia: Chili, Cocaine and Robots - Novel Routes to the Holy Grail .
- ◆ 要旨: Pain is a multidimensional and multilevel experience involving complex sensory processing. Inadequate comprehensive understanding of pain mechanisms is likely the reason that chronic pain has been implicated as the most prevalent unmet medical need today. Using an interdisciplinary approach, we are investigating how pain signals are detected, transmitted and perpetuated. We are studying how activation and modulation of pain-specific transducer channels and voltage-gated ion channels leads to the perception of noxious stimuli in normal and pathological conditions. Drawing from our detailed understanding of these processes, we are developing novel methods to selectively block the activity of pain-sensing neurons while preserving motor and innocuous sensory-touch functions. We are currently optimizing these approaches to provide improved pain control for surgery and childbirth, and to diminish postoperative pain, cancer pain, inflammatory pain and neuropathic pain. The results of our work will yield novel and fundamental insights into the molecular mechanisms of pain sensation while elucidating new therapeutic targets for the treatment of chronic pain and advancing development of a new class of pain-specific anaesthetic drugs.

問い合わせ先: 口腔解剖学第二教室(2877)