

Global COE Program

# グローバルCOEプログラム

・国際的に卓越した教育研究拠点形成のための重点的支援・

## 第23回グローバルCOE海外研究者講演会共催 歯と骨の分子疾患科学の国際教育研究拠点 ーデント・メドミクスのインテリジェンスハブー



講師: Dr. Michael K. McGuire, D.D.S.

Diplomate, American Board of Periodontology

Past President of American Academy of Periodontology

日時: 平成22年3月15日(月) 16時30分～19時00分

場所: 歯学部特別講堂(歯科外来事務棟4階)

### 演題: 『Using Bioactive Molecules and Living Cellular Constructs to Facilitate Hard and Soft Tissue Regeneration』

Currently, there are a variety of treatment options available for patients requiring replacement or augmentation of soft and hard tissues within the oral cavity. However, these treatments have limitations in terms of donor site morbidity and quantity or quality of tissue that can be generated. The development of new biologically active therapeutics provides a novel conceptual framework that will promote soft and hard tissue regeneration. This program will report on research we have done utilizing biologically active molecules to regenerate hard and soft tissues, studies utilizing autologous fibroblasts to augment deficient papillas and allogenic living cellular constructs to generate site appropriate keratinized tissue around teeth without a donor site. Attendees will learn about: Tissue Engineering and Biomimetics, Recombinant PDGF, Implantation of autologous Fibroblasts, Living Cellular Constructs, More

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