

大学院特別セミナーのご案内

◆ 日時：2025年11月18日（火）17時00分～18時30分

◆ 場所：D棟4階 第一講義室

◆ 講師：**BAEK IL KIM, D.D.S., Ph.D.**

Department of Preventive Dentistry & Public Oral Health,
Yonsei University College of Dentistry

◆ 演題：**Biofluorescence in Dentistry: Unveiling Biofilm Dysbiosis**

◆ 要旨：The oral cavity, as the starting point of the digestive system, significantly influences overall health. With advances in microbiome research, this connection can now be scientifically observed. While gut microbiome studies have revealed links with many organs and diseases, oral microbiome research remains relatively underexplored, focusing mainly on identifying microbial presence and distribution. This approach limits understanding of pathological changes. Beyond the microbiome, biofilms—ecological communities of microorganisms—are key. When imbalanced (dysbiosis), they become more pathogenic. Detecting dysbiosis through biofluorescence, especially red fluorescence from bacterial porphyrins, has shown strong correlation with disease. This lecture introduces studies using biofluorescence of oral biofilms to assess dysbiosis and predict oral and systemic diseases.

* This lecture will be conducted in English. 本セミナーの使用言語は英語です。

問い合わせ先：（予防歯科学講座・内線2922）