

大学院特別講義のご案内

日時： 令和 4年 12月 22日 (木) 午後 5時30分～午後 7時00分

場所： F棟 5階 弓倉記念ホール

講師： **Mark Ryder, DMD**

**Professor and Chair, Division of Periodontology, Department of Orofacial Sciences,
School of Dentistry, University of California, San Francisco**

演題： *P. Gingivalis and the Mouth-Brain Connection*

要旨： To establish a link between periodontitis and Alzheimer's Disease requires studies that first establish an association between these two diseases, followed by *in vitro*, animal model, and human studies to identify possible underlying biological mechanisms, and finally assessing the benefits of periodontal therapy in general and targeted therapies against the microbiota and inflammatory responses in periodontitis. Over the past several years, there has been new and compelling evidence that bacteria, viruses, and their products found in dental plaque may invade the brain where they may be a key early triggering event in Alzheimer's Disease as well as other forms of cognitive impairment/dementia. In this presentation, an update on the current correlation and biological mechanisms that link these two diseases, with special emphasis on the keystone periodontal pathogen *Porphyromonas gingivalis* and its key family of gingipain enzymes will be presented. There is recent evidence for slowing the progression of Alzheimer's Disease through periodontal therapy in general as well as focused therapies directed against *Porphyromonas gingivalis* and its gingipains. These intervention studies, together with recent association and biological mechanism studies, strengthen the evidence for a direct link between these two diseases. In addition, these recent studies support the special role of the dental practitioner in the management of patients with cognitive decline.

*新型コロナ感染対策のため、弓倉ホールは収容人数が削減されております。
参加希望者は、口腔治療科に事前にお問い合わせください。（内線2932）