

大学院特別講義

(医歯学先端研究特論)(生命理工学先端研究特論)
(生命理工医療科学先端研究特論)(医歯理工学先端研究特論)

下記により大学院特別講義を行いますので、多数ご来聴下さい。

記

1. 講 師 岡山大学大学院医歯薬学総合研究科 歯科矯正学分野
教授 上岡 寛 先生
2. 演 題 Osteocyte bioimaging
3. 日 時 平成30年6月1日(金)17:00～19:00
4. 場 所 7号館(歯学科校舎棟)2階 第3講義室
5. 抄 録

In a variety of scientific fields, it is a worthwhile topic to visualize natural phenomenon. Newly developed visualizing method often leads breakthrough in the scientific fields. Especially, in the biological field, it is significant to reveal temporal-spatial response happened in the cells with visualizing molecular level phenomenon. Such visualization could provide information to understand cellular behavior to their extracellular stimulus *in vivo* and *in vitro*. Although osteocytes are the most abundant cells in bone, it has been difficult to study their biological feature because they are embedded in hard bone tissue. So, even the real 3D structure of the osteocyte was not uncovered till lately. In this presentation, we will introduce our application of confocal laser scanning microscopy, ultra-high voltage electron microscopy and focused ion beam scanning electric microscopy to reveal the bone microstructure and discuss the mechanosensitivity of the cells in bone.

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