

FRIMS Seminar

Special Exercises for Material and Energy Engineering
Advanced Special Exercises for Material and Energy Engineering
Special Exercises for Computer and Social Engineering
Advanced Exercises for Computer and Social Engineering



Bioactive glass and hybrid: characterisation, application and dissemination

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January 10, 2017 8:50-10:20 0113 (K2)

- Writing academic report

What are the crucial steps in a scientific project that makes writing easy and enjoyable.

January 16, 2017 8:50-10:20 0221 (I1)

- From bioglass to hybrid

Bioglass was the first material to bond and regenerate damaged bone. However, it is brittle, which makes its application limited to non-load bearing bone. In this lecture, we will see how we can synthesise materials having the same regenerative power as Bioglass, with, however, better mechanical properties, using a biomimetic approach.

January 23, 2017 8:50-10:20 0221 (I1)

- Bioactive glass and ceramic beyond bone repair

Bioactive glasses and ceramics have been designed and used for the regeneration of hard tissues. However, with the emergence of ions therapies, new fields of applications have recently opened beyond bone and teeth.

January 30, 2017 8:50-10:20 0221 (I1)

- FTIR and RAMAN spectroscopic characterisation of bioactive glass

FTIR and RAMAN are an easy and affordable way to characterise materials. What are the fundamentals behind these techniques and how have they been used to characterise bioactive glass?

学生（博士前期1年次・後期1年次）のみなさんへ
本セミナーは、下記の授業として行います。

博士前期	材料・エネルギー特別演習 1・2
〃	情報・社会特別演習 1・2
博士後期	材料・エネルギー先進特別演習 1・2
〃	情報・社会先進特別演習 1・2