



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Lunedì **13 gennaio 2025**, alle ore **15.30**
presso **l'aula G** del Dipartimento di Scienze Chimiche

la prof. Gigliola Lusvardi

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terrà il seminario

Development of advanced biomedical devices for hard and soft tissue applications

Abstract

Bioactive glasses (BGs) are biomaterials with established applications in traumatology, orthopedics and oral surgery, and are promising scaffolds in further fields such as muscle regeneration and wound dressing. A frequent complication after BGs' implant is post-operative inflammation, which leads to the formation of harmful reactive oxygen species (ROS) that can significantly delay recovery.

Our research focuses on the development of bioactive glasses doped with therapeutic inorganic ions (TIs) and loaded with organic molecules (drugs and biomolecules) to obtain bioactive, biocompatible hybrid materials with modulable antioxidant properties that can act as controlled drug delivery systems (DDSs).

La presenza della S. V. sarà molto gradita

Prof.ssa Giulia Licini

Prof. Stefano Mammi

Direttore Dipartimento
Scienze Chimiche