

AVVISO DI SEMINARIO

Il giorno 01/07/2026
alle ore 11:00 in Aula 21 - G

Il prof. Thimmaiah Govindaraju

Bioorganic Chemistry Laboratory, New Chemistry Unit
and School of Advanced Materials (SAMat), Jawaharlal
Nehru Centre for Advanced Scientific Research (JNCASR),
Jakkur P.O., Bengaluru 560064, India

Terrà un seminario dal titolo

Biomolecules-derived Biomaterials

Biomolecules are promising candidates for tissue engineering, regenerative medicine, and a wide range of biomedical applications. An ideal biomaterial should be biocompatible, biodegradable, and easily processable into various scaffold formats, preferably under conditions that closely mimic the physiological environment. Furthermore, the rational design and engineering of molecular assemblies through the judicious exploitation of noncovalent interactions to construct tailored molecular and nanoarchitectures using a reductionist approach plays a significant role in advancing biomedical science. In the first part, I will present silk-derived biomaterials for controlled and pancreas-mimicking insulin delivery, wound healing under diabetic conditions, and applications in skeletal muscle and neuronal tissue engineering. In the second part, I will briefly introduce a novel research theme and umbrella concept, 'molecular architectonics', developed in our laboratory to design and construct molecular and nanoarchitectures with applications ranging from biosensing to drug delivery.

Gli interessati sono cordialmente invitati a partecipare

Il Direttore
Prof. Fabio Bellina

Il Responsabile
Prof. Dario Puppi