

DSV

Seminars

2019



UNIVERSITÀ
DEGLI STUDI DI TRIESTE



DIPARTIMENTO DI
SCIENZE DELLA VITA



PhD Program in Molecular Biomedicine

Monday, 28 October 2019 - 12:00

Seminar room, I floor, Q Building – Via Giorgieri 5

Dr. Gianluca Greci

Head of micro-fabrication core facility at Mechanobiology Institute (MBI) - Research Assistant Professor at Biomedical Engineering Department National University of Singapore (NUS)

Host: Giannino del Sal

Microfabricated systems for Mechanobiology and live cells imaging

In the last decades new microfabrication technologies have been developed mostly at the service of Integrated Circuit industry, driven by the need of higher resolution and of novel functional materials. This expansion led to a growing application of microfabrication to other scientific fields, most noticeably in biology and medicine. With my work at MBI I am heading off in this direction, designing and producing microfabricated substrates and devices to be used in a large variety of biological applications. In this seminar I will give an overview of the core facility services and I will then discuss in more detail two specific example where the contribution of micro-fabrication technologies to biological sciences is fundamental: the soSPIM and the IR-live projects.

