



... THE NEW DEAL
FOR THE
NANO WORLD



Department of Industrial Engineering

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Advances in nanomaterials and technologies for bio applications

In recent years nanoscience applied to biology is considered as a new frontier, in particular Nanomedicine as the technology for diagnosing, treating and preventing disease, preserving and improving human health by molecular tools and molecular knowledge. The aim of Nanomedicine may be broadly defined as the comprehensive monitoring, control, construction, repair, defence and improvement of all human biological systems, working from the molecular level using engineered devices and nanostructures, ultimately to achieve medical benefit.

Miniaturisation of devices, chip-based technologies and, on the other hand, ever more sophisticated novel nanosized materials and chemical assemblies are already providing novel tools that are contributing to improved healthcare in the 21st century. Opportunities include superior diagnostics and biosensors, improved imaging techniques – from molecules to human beings – and not least, innovative therapeutics and technologies to enable tissue regeneration and repair.

In the present talk the research activities and the technological results in the field of Lab-on-chip of the Materials and Processes for Micro & Nano Technologies of Politecnico of Torino will be presented.

DATE: 13.01.2020.

VENUE: Aula Ruffino

Industrial Engineering Department

Università di Roma Tor Vergata

(Via del Politecnico 1, 00133 Roma)

TIME: 12:00 – 13:30



Wrocław University
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