

## Nanotechnology Platform at the Institute for Bioengineering of Catalonia: description of capabilities and examples

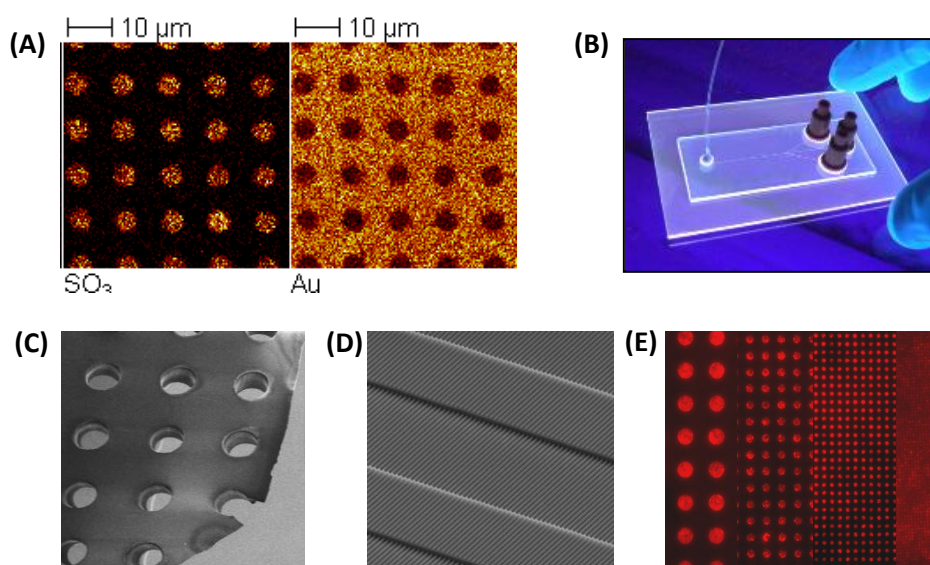
**Mateu Pla-Roca**, Nanotechnology Platform

Institute for Bioengineering of Catalonia (IBEC) Baldri Reixac 10-12 (Ed. Clúster), 08028,  
Barcelona  
nanotechnology@ibecbarcelona.eu

The Nanotechnology Platform, a core facility of the Institute for Bioengineering of Catalonia (IBEC) is an accessible and versatile research facility featuring 100 m<sup>2</sup> of class 10,000 clean-room space and laboratories offering state-of-the-art equipment for the fabrication and characterization of microdevices and micro/nanostructures. Our mission is to facilitate advanced research support by providing services in the fields of micro/nanofabrication and nanotechnology for all academic and industrial researchers. Some of the many areas of application include lab-on-a-chip (LOC), materials science, tissue engineering, optics and biomaterials.

IBEC's Nanotechnology Platform offers scientific and technological support that includes the design, characterization and development of microdevices and micro/nanostructures so academic researchers and companies alike may use the platform to develop their innovative ideas.

Our experience in giving support to research groups and practical examples will be introduced during the presentation.



**Figure 1** (A) Chemical imaging/analysis of surfaces using TOF-SIMS. (B) Fabrication of microfluidic chips and structuration of materials at the (C) micro and (D) nanoscale. (E) Biocompatible polymeric surface micropatterned with a fluorescent protein.