

# IN<sup>2</sup>UB INTERNATIONAL RESEARCH SEMINARS

## Nanostructured Materials and Interfaces: Patterning and Templating

The preparation of new polymers and nanomaterials require hierarchical levels of ordering and structuring: from molecular to macroscopic. The ability to synthesize and fabricate new macromolecules and layered ordered systems result in new material stimuli-responsive properties. In this talk, we will specifically highlight work on nanostructured superhydrophobic coatings with stimuli-responsive properties. This is based on grafted polymer brushes with an LCST behavior and the use of templated polymer particle arrays. What is also important is the use of surface sensitive spectroscopic and microscopic analytical tools applied rationally to highlight evidence of order and function.

The IN<sup>2</sup>UB invites you to the seminar by

**Prof. Rigoberto Advincula**

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Macromolecular Science and Engineering,  
Cleveland, OH 44106 USA*

**SAVE THE DATE**

**October 22<sup>nd</sup>, 2019, 12.00h.**

**Enric Casassas Lecture Hall,  
Faculties of Physics and Chemistry. UB**



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