

## **Epithelial Tumor Dynamics: Nanocharacterization of force-generating structures.**

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The International Iberian Nanotechnology Laboratory (INL) is an international organization created to foster interdisciplinary research in Nanotechnology and Nanosciences. The main goal of the Laboratory is to undertake ground-breaking scientific research in specific areas such as nanomedicine.

At NanoPT2015, we present one of our projects aiming the development of biomechanical-based markers for early diagnosis of epithelial tumors, by combining tools and concepts from different fields: quantitative cell imaging analysis, genetic engineering, nanoscale reconstituted systems and biophysical modelling. The innovative nature of this project will likely impact the development of selective anticancer drugs and novel methods for therapy control.