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### XII Foro Interacción Matemática Industria

<b>Título:</b> <i>(título de la ponencia)</i>	How nanotechnology extracts data from life
<b>Ponente:</b>	Lorenzo Pastrana
<b>Entidad:</b>	International Iberian Nanotechnology Laboratory
<b>Resumen:</b> <i>(resumen breve de la ponencia)</i>	<p>Research in environment monitoring, security and food quality control will comprise the development of micro- and nanosystems. At a first stage, this will involve nanotransducer design and fabrication. These transducers will include micro- and nanoelectromechanical systems, and advanced single/few molecule transducers. The transducers will necessarily include chemically and biologically sensitive layers for specific detection of chemical and biochemical signals.</p> <p>The focus in nanomedicine is the study, design and fabrication of nanoscale structures and devices for the diagnosis, treatment, and prevention of diseases and genetic disorders. Advanced health technologies will be key drivers of technological development in the future as the full impact of the genome and proteome research becomes available and new therapies and diagnosis procedures are required.</p>

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