

Aveiro Institute of Nanotechnology

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The creation of the Aveiro Institute of Nanotechnology (AIN) in 2012 is an initiative of the University of Aveiro in order to strengthen, coordinate, integrate and foster a wide span of scientific and technological skills and infrastructures of the University, in line with the research activities developed by its researchers, promoting a cohesive and unified image of nanosciences and nanotechnologies at UA.

Nanotechnology at UA intertwines several scientific fields organized in different research units crossing seven university departments: Materials Engineering and Ceramics, Physics, Mechanical Engineering, Chemistry, Civil Engineering, Biology and ESTGA. Excellent human resources allied to a unique scientific and instrumental park, allow UA to develop high-level research in the areas of synthesis, characterization and application of nanomaterials.

The AIN is a strategic investment arranged by scientific consistency, following the strategic guidelines of the university. AIN is a virtual institute that joins the efforts of three excellent research centers at UA with the objective of jointly facing the international competition with better results than they would have with the simple sum of the parts.

The main objectives of AIN consist, thus, of a larger national and international projection of the high quality research developed at UA, by promoting cooperation between different research units working in the same field, exchange of ideas and resources optimization. It is also important in this framework to train people with skills that can contribute for scientific and technological growth, as they may play the role of facilitators of innovation, wealth creation and the creation of spin-offs.

Hopefully AIN will foster research and advanced education in nanotechnology at the University of Aveiro, benefiting from the obvious complementarity of its research units, enhancing an active participation of AIN in the next Framework Program and promoting intensive collaboration in international networks of excellence in the field of nanotechnology.

