

PERSONAL INFORMATION

Dr. Lorena Romero-Santacreu



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POSITION Director of the Nanosafety Department of the ICCRAM

EDUCATION AND WORK EXPERIENCE

Lorena Romero is the Director of the Nanosafety Department of the International Research Center in Critical Raw Materials for Advanced Industrial Technologies.

Lorena Romero studied Biology at the University of Valencia where she also obtained her PhD. In this period she studied the transcriptional and post-transcriptional responses to stress in eukaryotic cells by means molecular biology techniques and genomics.

Lorena Romero has professional experience in the pharmaceutical industry as part of the research team of ALGENEX S.L. Where she developed the project "New formulations based on biopharmaceuticals and natural extracts for dermal regeneration". During this period, she was responsible for the protein production process and she performs the implementation of a quality system in the production process.

In 2012 Lorena Romero was part of CIBA center of the University of Burgos with which I currently collaborate. During this period, she has developed several works related mainly to the typing and differentiation of strains of lactic acid bacteria in meat products, isolated along the production chain as well as in the deterioration of the product. Specifically, she developed a methodology based on quantitative PCR for the identification and quantification of *Weissella viridescens* in meat products.

In 2014, Lorena Romero became part of the Nanosafety Department in ICCRAM center, she has developed protocols for the study of nanotoxicity and biocompatibility of nanomaterials that have been reflected in three registered works MAT-TOX[®], NANOBIOCOMPTOX[®] and NANOSAFETOX[®]. She has authored and co-authored a sound number of peer-reviewed papers, contributed to numerous industrial technical reports and to educational research articles