

Nanoparticles for early Diagnostics of inflammatory diseases

New approaches in the field of soft and hard nanoparticles

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Nanotechnology: definitions and concepts

Massive amount of funds have been allocated for the research in Nanotechnology. It is not always clear the boundaries between “Micro” and “Nano” areas. Definitions are very broad depending on the disciplinary area. Bold names from several disciplines exist like bionanotechnology, nanomedicine, nanomaterials, nanoformulation, nanoelectronics, nanofluidics, nanoparticles, nanosensors and others. In spite of view of the huge impact of definitions on research funding, regulations, toxicity, investigation and accreditation of new products, it is important to know and to understand the origin and reasons for these different approaches to those definitions. Definitions and examples from the literature as well as from the own research are given. This tutorial aims to clarify those misconceptions.