NanoDiaRA

Development of Novel Nanotechnology Based Diagnostic Systems for Rheumatoid Arthritis and Osteoarthritis (NanoDiaRA)

The use of nanotechnology in medicine holds the potential to essentially improve diagnosis, treatment and follow-up of diseases. To foster research on this ground the European Commission funded the collaborative project (duration: 2/2010 –1/2014) through the 7th Framework Programme for Research with a budget of 8.9 Mio Euros.

The consortium with 15 partners was legally established in February 2010 for four years by contract number NMP4-LA-2009-228929 ("Nanosciences, Nanotechnologies, Materials and new Production Technologies"). The main objective of this large-scale integrating project was the development of modified superparamagnetic iron oxide nanoparticles (SPION) as a diagnostic tool for the detection of early stages of rheumatoid arthritis and osteoarthritis. In addition to research, the project considered the social, ethical and legal aspects of applying nanotechnology for medical purposes.

The coordinator of the NanoDiaRA project was the Europäische Akademie Bad Neuenahr-Ahrweiler GmbH (Germany). MatSearch Consulting Hofmann (Switzerland) acted as the scientific coordination.