

Nanotechnology commercialisation: from research to successful development

Lorenzo Pradella, GreenBone Ortho Srl

The current interest in nanotechnology is driven by the many advances that nanoscience and nanotechnology promise and the vast amount of products and applications where nanotechnology can be used in the future. The commercialisation of most of these promises lies in the (near or distant) future; things like quantum computing, molecular electronics, or lab-on-a chip and personalised medicine. Most of nanotech products available today are incremental improvements of existing products – scratch-resistant paint, better engine oil, antimicrobial household products, smaller chips, improved cosmetics, etc. Some may be considered representative of a large technological trend like nanoparticle-based medicines. It is fundamental to make clear the difference, if any, between the many promises of nano-technologies, the research taking place today, and the actual contribution of nanotechnologies to commercial products. Efficient translational research, objective opportunity - risks assessment and funding processes are fundamental to boost a robust flow of innovative products from bench to commercialisation