

Far from the public perception that nanotechnology are still trending topic of science fiction

Just published “Nano-oncology, the Turning Point: Discover the Wave of Knowledge that Makes Fighting Cancer with Nanotechnology Real” that reveals the most promising and recent contribution to fight cancer, the Cancer Nanomedicine.

“Far from the public perception that nanotechnology and nanomedicine are still trending topics of science fiction, a new emerging reality is deepening its roots in our society and people begins to realize that a new giant wave is going to smash our shores in the form of a technological revolution... and the impact might even go beyond imagination”, write in the Foreword Simó Schwartz Jr. MD PhD, principal investigator of the Cibbim-Nanomedicine at Hospital Universitari Vall d’Hebron of Barcelona.

Sharing his professional and personal experiences in the laboratory and the teaching, Professor Víctor Puntès leads us in this fascinating revolution through the pages of the recently published book titled “Nano-oncology, the Turning Point”, that invites us, as claims their subtitle, to “Discover the Wave of Knowledge that Makes Fighting Cancer with Nanotechnology Real.”

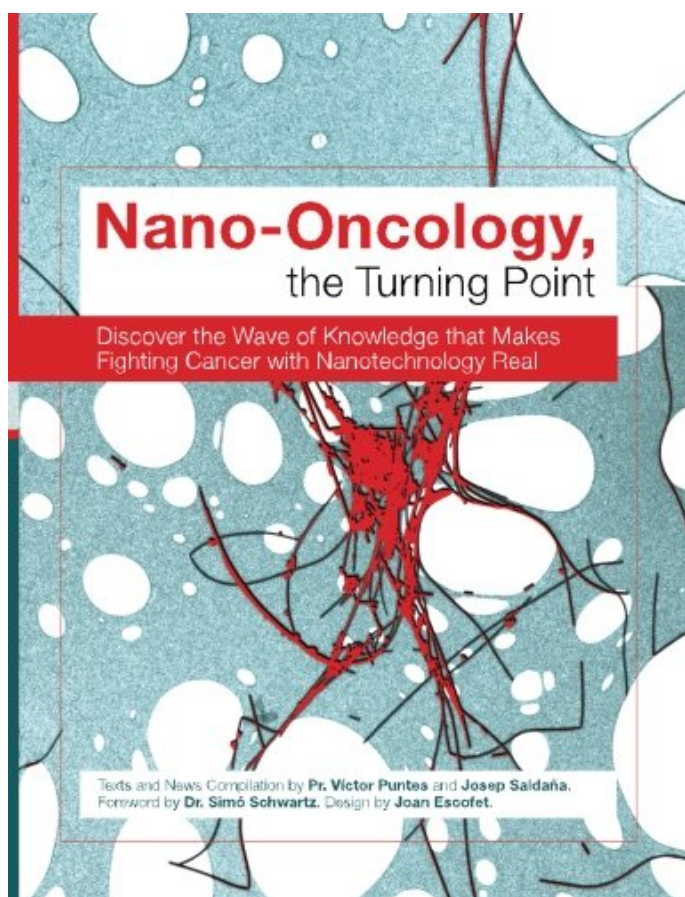
The result is a “*fantastic outreach work, very inspiring,*” as explains Dr. David Pozo Perez, from CABIMER at the University of Seville Medical School.

Cancer is a leading cause of disease-related mortality, and with the increasing lifespan, it is predicted to be the cause of 50% of deaths in the first world population. Despite huge efforts, medical science has been unable to generate a “magic anticancer drug,” that is, a drug that can cure cancer completely and efficiently.

The reason for this is that fundamental problems lie not in the drug itself, but in the way in which it is delivered and how it reaches the tumour. This lack of control and precision is present in other therapies, where a lack of specificity can thus damage healthy cells. One of the major goals in nanomedicine is to apply nanotechnology for the sustained, controlled and targeted delivery of therapeutic agents and radiosensitisers.

Aimed at passionate about science and innovation, medical scientists, pharmaceutical personnel, physicians, young curious willing to study to become pioneers in this new field of knowledge...

The book is available now in a paperback. There will be also a version in ebook (Kindle format) coming soon (April 23, 2015). [Visit Amazon to take a look inside the book](#) ! (table of contents...)



About the Authors

Prof. Víctor Puentes has an ICREA research Profesorship on Inorganic Nanoparticles. He has a degree on chemistry and chemical engineering and a PhD on physics. After his PhD he spent about four years at the University of California - Berkeley (UCB) and the Lawrence Berkeley National Laboratory (LBNL), in the groups of Prof. Paul Alivisatos and Prof. Kannan Krishnan, working on the synthesis and control of nanostructures. He is currently working on the study of the energy and mass transfer between small aggregates of inorganic atoms and their environment, sharing his time between the Catalan Institute of Nanotechnology (ICN2), leading the Inorganic Nanoparticles Group, and the Research Institute of the Vall d'Hebró University Hospital (VHIR). Since December 2014 he opened and lead the group on pharmacokinetics of nanoparticles at VHIR. He is also well-known for his work in science outreach among the general public and developments towards industrial and commercial applications, as well as for his enterprises linking Science and Art.

Josep Saldaña Cavallé has provided the tracking and documentation of the topic for the book. Working in the computer industry, media and telecoms. Projects at the intersection of Art, Science, and Technology. Tracking nanotechnology since 2005.

The book has been designed by Joan Escofet, a content designer. With an education on art and architecture, he works on the construction of the visual image to convey meaning for grassroots urban participatory projects, nanotechnology books, and other collaborative projects to reveal context.



an illustration of the book

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