



the
innovation
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Newsflash

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[\(April 5, 2016](#)

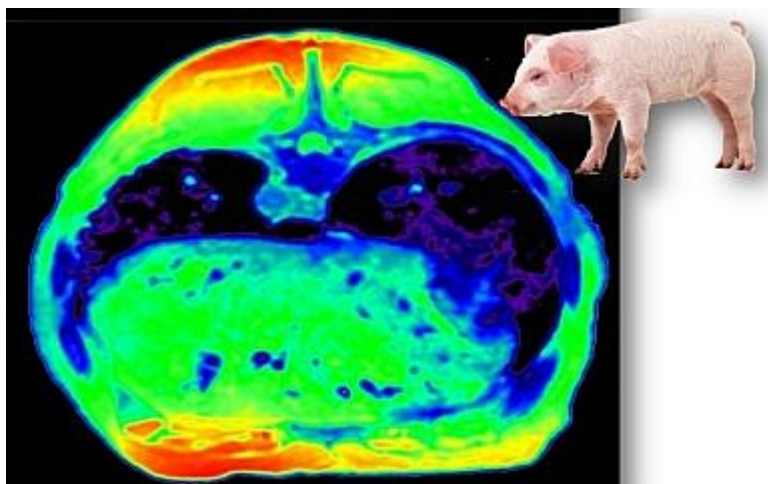
[/ Dresden\)](#)

Welcome to our February newsletter!

What is the state of art in nanomedicine and what can we expect? How dangerous are micro-plastics in water? And how to remove heavy metals from the wastewater? If you want to learn more, read on or call us!

Enjoy the reading and kind regards,
The Innovation Society

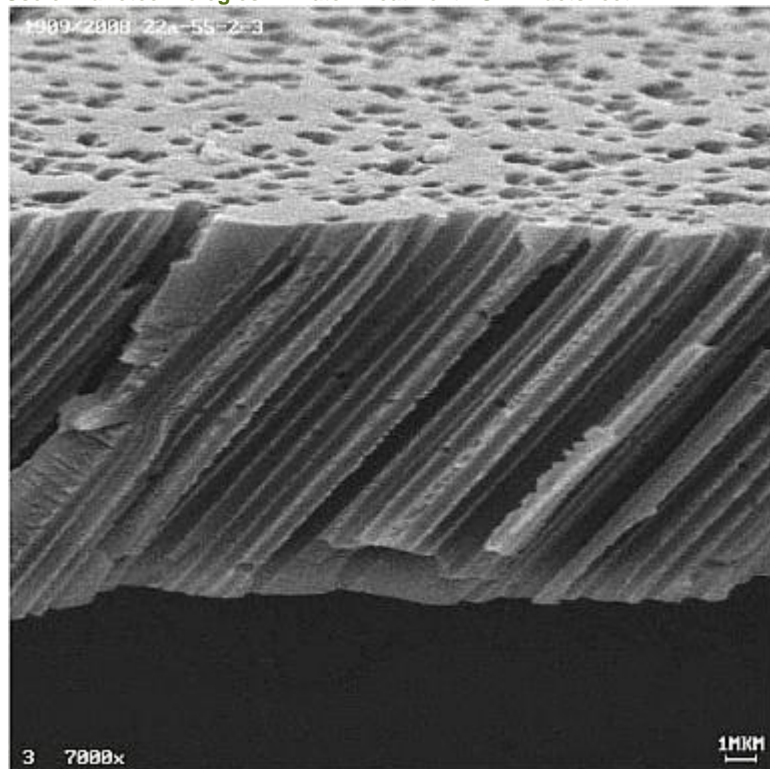
P.S.: We are looking for a junior project manager. Are you interested?



Nanomedicine - an Overview

Nanomaterials represent important new options for the treatment of a variety of diseases. In medicine nanomaterials already are employed for various drugs, diagnostics, and implants. What really is available right now and which new agents may become available in the foreseeable future? And how prudent should we be in order to prevent disappointments caused by exaggerated expectations? A new webpage of the DaNa-platform provides answers to these questions. [Read more](#)

Use of Nanotechnologies in Water Treatment - UBA Factsheet



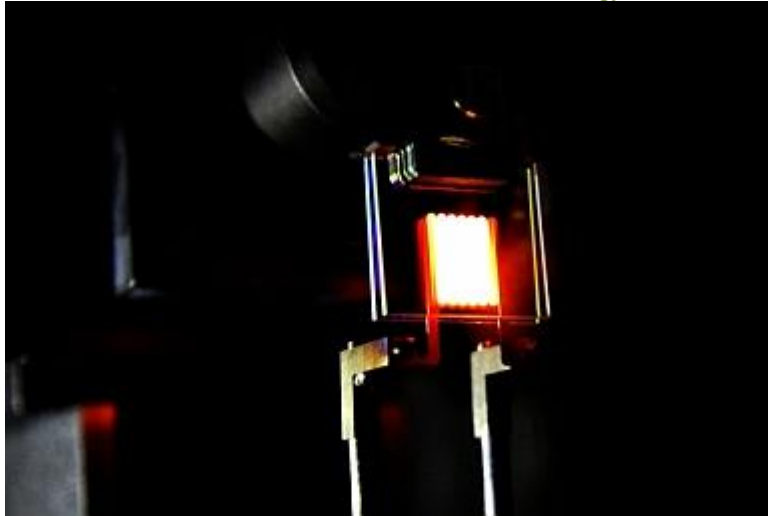
The German Environment Agency (UBA) has published a factsheet on uses of nanotechnologies and nanomaterials in water treatment. The factsheet offers an overview of the manifold applications of nanotechnology in water treatment, both current and future. A new method to remove heavy metals from polluted waters, which was just presented by ETH Zurich researchers, represents another highly topical example, although it is not included in the factsheet given its recent publication. [Read more](#)

Effects of Microplastics on the Environment



A new project dubbed "RealRiskNano", jointly conducted by Heriot-Watt and Plymouth Universities, will examine the effects and risks of nano-scale plastic particles on marine food webs. Micro- and even nano-scale particles are formed upon the degradation of plastic particles, which reach the oceans – either directly or by entrainment in rivers – in huge quantities. The project will also integrate know-how from nanotoxicological studies into this highly topical environmental issue. [Read more](#)

Comeback of Incandescent Bulbs Thanks to Nanotechnology?



A group of researchers at the MIT has revealed a nanotechnological method allowing for a substantial increase in the energy efficiency of incandescent bulbs. The researchers coated filaments with several nano-sized layers. The resulting coating reflects the heat emitted by the filament but lets light pass, significantly lowering the total energy demand of the bulb. The results were published in the journal "Nature Nanotechnology". [Read more](#)

Vacancy: Junior Project Manager (100%)

We are looking for a junior project manager (100%) (consulting / emerging risks) for our new Emerging Risks Center. You are a compelling, entrepreneurial personality and want to get started in the world of consulting. You want to demonstrate your potential in building our new Emerging Risks Center. As a junior project manager you take responsibility and lead smaller projects. At the same time you support the management in the implementation of larger mandates and in researching. [Link to the job advertisement \(in German\)](#) download it as [PDF \(in German\)](#)

Prevention Event: Safe Handling of Nanomaterials

In what application areas are nanomaterials used? During which work processes will these materials be released? To what extent can proven occupational-safety measures be applied concerning the handling of nanomaterials? Answers to these questions are provided by the DGUV Nano-Portal and by multiple e-learning tools, the so-called "Nanorama". [Link to the event \(in German\)](#)

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