



the  
innovation  
society

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# Newsflash

## Issues

[Annotations by the  
Innovation Society](#)

[Release of silver  
from textiles](#)

[New FDA guidance](#)

[Danish nano-market](#)

[Antibacterial  
nanodiamonds](#)

[SimplyNano 1  
Course in Mannheim](#)

Dear reader,

Welcome to the latest edition of the Innovation Society's  
newsflash. We wish you an inspiring reading and we are  
looking forward to receiving your feedback!

Kind regards

The Innovation Society

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## Annotations by the Innovation Society

### Regulation of nanomaterials

The Danish nano-register entered into force on June 18. At the  
same time, the Danish EPA presented a report on products  
exempted from the register (see below).

In the U.S., the Food and Drug Administration (FDA) has  
issued three final guidance on nanotechnology (c.f. article  
below). The National Nanotechnology Initiative on their part  
published the 2014 Status Report on "Prevention by design"  
and the Progress Review on Environmental, Health, & Safety  
Research.

### Chances and risks of nanomaterials

Researchers at RICE University have developed a  
hygroscopic lattice made from carbon nanotubes and capable  
of capturing water from the atmosphere. Since it does not  
require any external energy, the discovery holds promise for  
many future applications, if the industrial-scale production of  
nanotube "forests" should become feasible.

The statement (in a report by "Friends of the Earth") that the  
use of nanomaterials in food has increased tenfold over the

last years has caused a discussion in the media. This led the creator of the database cited in the report to highlight that the database was never meant to be comprehensive and that the report caused much confusion.

### **Release of (nano) silver from textiles**



The antibacterial properties of silver-coated textiles are popular in the fields of sport and medicine. A team at Empa has now investigated how different silver coatings behave in the washing machine, and they have discovered something important: textiles with nano-coatings release fewer nano-particles into the washing water than those with normal coatings. [Read more](#)

### **FDA issues guidance on the use nanotechnology**



Three final guidance and one draft guidance were issued by the U.S. Food and Drug Administration, providing greater regulatory clarity for industry on the use of nanotechnology in FDA-regulated products.

One final guidance addresses the agency's overall approach

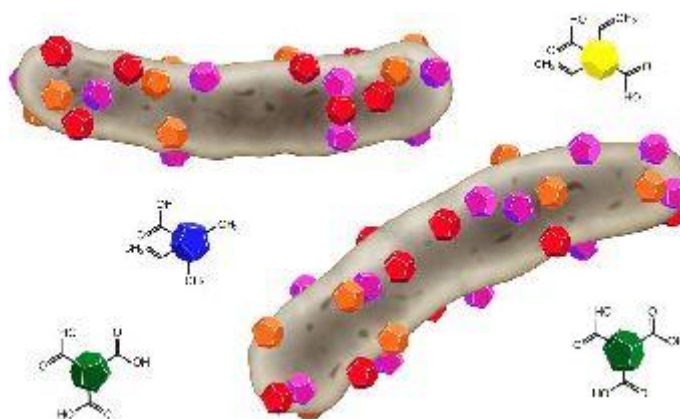
for all products that it regulates, while the two additional final guidance and the new draft guidance provide specific guidance for the areas of foods, cosmetics and food for animals, respectively. [Read more](#)

## Analysis of the Danish nano market



Simultaneously with the entry into force of the Danish nano-product register, the Danish EPA has published a supplementary report on products containing nanomaterials. The report comprises product groups not covered by the nano-register. [Read more](#)

## Bactericidal activity of nanodiamonds



Material scientists from Bremen (Germany) and Stanford have identified nanodiamonds as potent bactericidal agents. The bactericidal effect of the nanodiamonds is likely caused by acid anhydride groups on their surface. The discovery opens a multitude of possible applications in medicine, among others.

[Read more](#)

## Successful continuation of the "SimplyNano 1" teacher training in Mannheim



Baden-Württemberg is the first German state which introduces the "SimplyNano 1®" experimental kit to schools and teacher training courses. The second teacher training course took place on the 27th of June in Mannheim. The course was funded by the ministry of education of Baden-Württemberg.

**Read more** (in German)

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Die Innovationsgesellschaft mbH  
Lerchenfeldstr. 5  
St.Gallen 9014  
Switzerland

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