



# Nanotechnology

## Towards Reducing Animal Testing

28 – 29 May 2008, The Royal Society, London

**Applying understanding at the nanoscale to improving achievement of the ‘three Rs’**

***...replacement, refinement and reduction***

This Conference, the first of its kind in Europe, will examine how nanotechnology could contribute to alternatives to animal testing and also to realisation of the “3Rs”, whilst maintaining the necessary high levels of safety in the pharmaceutical, medical device, chemical, cosmetic and environmental industries.

At this event, leading international experts will

- review some of the most promising new, human cell-based *in vitro* models
- describe novel lab-on-a-chip and bioreactor systems for screening, and for toxicological and targeting studies
- examine how understanding of the behaviour of materials at the nanoscale can be used to improve biosensors and diagnostic systems
- consider new paradigms for applying alternatives incorporating nanotechnology

The Conference programme includes presentations from:

**Fanqin Frank Chen (Lawrence Berkeley National Laboratory, USA); Antonio Garcia (Arizona State University, USA); Béatrice Schaack (CEA Grenoble, France); Thomas Peter (Fraunhofer IGB, Stuttgart, Germany); Peter Ertl (Austrian Research Centres, Vienna, Austria); Anna Price (European Commission Joint Research Centre, ISPRA, Italy); John Haycock (Kroto Research Institute, Sheffield, UK) and other experts from leading research, animal welfare and alternatives organisations.**

*While animal testing of materials or products is still required by a number of regulations, it is costly and the results cannot always be extrapolated to humans. All industries that use animal testing are increasingly under pressure to find effective and acceptable alternatives.*

*In the light of these regulatory developments and pressures, can your company afford not to be at the forefront of innovations and developments in alternative methods?*



“Some 2000 cosmetics companies in Europe are counting upon alternative methods to enable them to meet legal obligations from 2009. An additional 27000 companies will also need to comply with the requirements of the Directive concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)”

*EU Science and Research Commissioner Janez Potočnik,  
Curds Newsletter no. 285, December 2007*

For further information please visit our website at <http://www.nano.org.uk/events/ionevents.htm>  
or contact Gemma McCulloch. Tel: +44 (0)1786 447520 , Email: [gemma.mcculloch@nano.org.uk](mailto:gemma.mcculloch@nano.org.uk)  
Register by fax: +44 (0)1786 447530 or online: <https://www.nano.org.uk/payments/>



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- ☐ **CHEQUE:** Post cheque to address below, payable to 'Institute of Nanotechnology'.

**Terms and Conditions:** All payments must be paid in full including 17.5% VAT. Submitted registration forms will be taken as a booking - the delegate is liable for the relevant conference fee if notice of cancellation is not received - cancellation charges apply. Cancellations - Until February 27th 2008 50% refund, from February 28th, 0% refund. Substitutions can be made at any time.

VAT Registration Number: 735171737

**Booking enquiries or completed forms to: Gemma McCulloch**

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