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Dr Denis Koltsov: Nanomaterials in foods - recent developments, regulations, standards and public perception

**Wednesday 10 December 2014. Registration 18:00, Lecture 18:30.
SCI, 14/15 Belgrave Square, London SW1X 8PS**

The use of nanomaterials such as ultra-fine powders, additives or complex nanostructures in food and drink products has distinct advantages as well as potential risks. The advantages may be listed in great numbers from novel functionality, flavours and product texture to packaging, longevity and cost reduction. Nanomaterials have also been associated with unknown risks and potential public rejection. The focus of this presentation will be the survey of the most recent developments in nanomaterials application in the food and drink industry as well as associated regulations, definitions, standards and the resulting public perception. Questions of safety and long term effects of nanomaterials will be outlined in relation to international efforts to bring regulation and international standards in line with innovation and novel applications in food and drink.

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About the speaker

Denis Koltsov was born in Moscow in 1976, graduated from Cambridge University in 1998 and obtained his PhD in Nanotechnology in 2003 from the same university. He worked as a research associate in Cambridge Nanoscience Centre before taking up lecturing position at Lancaster University in 2005 where he led nanotechnology work and outreach services till 2009. Dr Koltsov now runs his own nanotechnology consulting practice (BREC Solutions limited) that focuses on technical, regulatory and standardisation issues of nanotechnology innovation. He is the author of several patents, numerous publications and confidential reports to stakeholders. He is a recognised authority in nanotechnology innovation and current market, regulatory and policy trends. Dr Koltsov is an expert in representing industry on BSI, ISO, CEN expert committees. Dr Koltsov holds the chairman position and head of the UK delegation for Fine Bubble Technology standardisation committee under BSI and is a convener of the ISO/TC281 working group 2 (Characterisation of fine bubbles). He has conducted a number of industry-led consultations in the nanotechnology sector and reported to relevant regulatory authorities.

