



# Nanomedicines ALLIANCE

## NanoMed Digest

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Nanobiotix • NanoCarrier Co. Ltd. • NanoViricides, Inc. • Pfizer

Join the Nanomedicines Alliance. Contact us at [info@nanomedicines-alliance.org](mailto:info@nanomedicines-alliance.org).

- Meet with industry colleagues, government partners, and other stakeholders
- Help define the issues of science, regulation, and policy
- Participate in our ongoing advocacy, regulatory, and scientific efforts
- Join as a trial member for six months at half the annual fee

## Highlights

### FDA Global Regulatory Summit

On September 7 – 9, 2016, The US Food and Drug Administration will host a regulatory science summit focused on nanotechnology standards and applications. More information on registration may be found [on the FDA website](#).

## Reviews and Other Publications of Interest

**Pamidronate functionalized nanoconjugates for targeted therapy of focal skeletal malignant osteolysis.** Proceedings of the National Academy of Sciences, Vol. 113, No. 32, August 2016. Qian Yin, Li Tang, Kaimin Cai, Rong Tong, Rachel Sternberg, Xujuan Yang, Lawrence W. Dobrucki, Luke B. Borst, Debra Kamstock, Ziyuan Song, William G. Helferich, Jianjun Cheng, Timothy M. Fan.

**Local triple-combination therapy results in tumour regression and prevents recurrence in a colon cancer model.** Nature Materials, July 2016. João Conde, Nuria Oliva, Yi Zhang, Natalie Artzi.

**Nanoscale lateral displacement arrays for the separation of exosomes and colloids down to 20 nm.** Nature Nanotechnology, August 2016. Benjamin H. Wunsch, Joshua T. Smith, Stacey M. Gifford, Chao Wang, Markus Brink, Robert L. Bruce, Robert H. Austin, Gustavo Stolovitzky, Yann Astier.

**Single Particle and PET-based Platform for Identifying Optimal Plasmonic Nano-Heaters for Photothermal Cancer Therapy.** Scientific Reports, Vol. 6, Article No. 30076, August 2016. Jesper Tranekjær Jørgensen, Kamilla Norregaard, Pengfei Tian, Poul Martin Bendix, Andreas Kjaer, Lene B. Oddershede.

**Nanoparticle-based highly sensitive MRI contrast agents with enhanced relaxivity in reductive milieu.** Chemical Communications, Issue 64, pp. 9937 – 9940, July 2016. Severin J. Sigg, Francesco Santini, Adrian Najer, Pascal U. Richard, Wolfgang P. Meier, Cornelia G. Palivan.

**The Next Generation Non-competitive Active Polyester Nanosystems for Transferrin Receptor-mediated Peroral Transport Utilizing Gambogic Acid as a Ligand.** Scientific Reports, Vol. 6, Article No. 29501, July 2016. P. Saini, R. Ganugula, M. Arora, M. N. V. Ravi Kumar.

**Integrated hollow microneedle-optofluidic biosensor for therapeutic drug monitoring in sub-nanoliter volumes.** Scientific Reports, Vol. 6, Article No. 29075, July 2016. Sahan A. Ranamukhaarachchi, Celestino Padeste, Matthias Dübner, Urs O. Häfeli, Boris Stoeber, Victor J. Cadarso.

**Studies of silicon nanoparticles uptake and biodegradation in cancer cells by Raman spectroscopy.** Nanomedicine: Nanotechnology, Biology, and Medicine, Vol. 12, Issue 7, pp. 1931 – 1940, October 2016. Elen Tolstik, Liubov Andreevna Osminkina, Christian Matthäus, Markus Burkhardt, Konstantine Eduardovich Tsurikov, Uliana Alexandrovna Natashina, Victor Yurievich Timoshenko, Rainer Heintzmann, Juergen Popp, Vladimir Sivakov.

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[Functionalized Surfaces with Tailored Wettability Determine Influenza A Infectivity](#). ACS Applied Materials & Interfaces, Vol. 8, Issue 24, pp. 15058 -15066, May 2016. Ilaria Mannelli, Ramon Reigada, Irina Suárez, Davide Janner, Albert Carrilero, Prantik Mazumder, Francesc Sagués, Valerio Pruneri, Melike Lakadamyali.

## Conferences and Workshops

[FDA Global Summit on Regulatory Science: Nanotechnology Standards and Applications](#), 7 – 9 September 2016, Bethesda, MD  
Standards for Regulatory Application  
Validated Measurement Methods

[Bioelectronic Medicine – Technology Targeting Molecular Mechanisms](#), 21 – 23 September 2016, New York, NY  
Defining circuits  
Cell biology and cancer  
Molecular sensing  
Clinical updates  
Brain interfaces

[Summer School of International Society for Nanomedicine](#), 26 – 28 September 2016, Seoul, South Korea  
In vivo targeting  
Clinical translation of in vitro diagnostics

[International Conference on Nanomedicine and Nanobiotechnology](#), 28 – 30 September 2016, Paris, France  
Targeted drug delivery and nanocarriers  
Nanomedicine for cancer diagnosis & therapy  
Biological & medical nanodevices and biosensors  
Tissue engineering and regenerative nanomedicine  
Toxicology and risk assessment of nanomedicine systems

[European Technology Platform on Nanomedicine 2016 Annual Event](#), Heraklion, Greece  
Nanomedicine from bench to bedside  
Translation tools  
Quality-by-design  
Interfacing KETs for healthcare

[Applied Pharmaceutical Nanotechnology](#), 19 October 2016, Cambridge, MA  
Nanotechnology and Diagnostics  
Theranostics and Personalized Medicine  
Nanotechnology and Immunotherapy  
FDA / Regulatory Guidance  
Nanotechnology in Preclinical and Clinical Development

[International Conference for Nanotechnology in Medicine](#), 7 – 9 November 2016, Warsaw, Poland  
Tissue engineering and biomaterial science  
Nanoscale tissue scaffolds  
Nanoscale biomaterial surface modification  
Enzyme responsive tissue scaffolds  
Guiding stem cell differentiation  
Biosensors

[World Summit on Nanotechnology and Nanomedicine Research](#), 28 – 30 November 2016, Dubai, UAE  
Regenerative medicine  
Translation  
Toxicology  
Carbon nanotubes

## Reference Section

### Nano Organizations

[National Center for Toxicological Research \(NCTR\)](#)  
[National Nanotechnology Initiative \(NNI\)](#)  
[Nano Science and Technology Consortium \(NSTC\)](#)  
[Nano Science and Technology Institute \(NSTI\)](#)  
[The Nanotechnology Institute \(NTI\)](#)

### Nano Journals

[American Chemical Society -- Nano Letters](#)  
[Institute of Physics – Nanotechnology](#)

[Journal of Nanoscience and Nanotechnology](#)

[NanoTrends - A Journal of Nanotechnology and its Applications](#)

[BCC Research -- Nanotechnology Reports](#)

[Nanomedicine: Nanotechnology, Biology, and Medicine](#)

[Future Medicine](#)

[Nature Nanotechnology](#)

*For further information, or if you have any questions about the Nanomedicines Alliance, please contact the Nanomedicines Alliance Secretariat at [info@nanomedicines-alliance.org](mailto:info@nanomedicines-alliance.org).*

## Contact

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