



REGULATORY AND LEGISLATIVE DEVELOPMENTS

IPEC Americas Nanotechnology Library

The International Pharmaceutical Excipients Council of the Americas (IPEC Americas) has opened a Library of Nanotechnology Information for members. The library contains articles on neurotoxicity, safety, toxicology, nanotechnology in cosmetics, and regulatory issues.

<http://ipecamericas.org/content/new-members-library-nanotechnology-information>

REVIEWS AND OTHER PUBLICATIONS OF INTEREST

Structure of a designed protein cage that self-assembles into a highly porous cube.

Nature Chemistry, Vol. 6, pp. 1065 – 1071, November 2014. Yen-Ting Lai, Eamonn Reading, Greg L. Hura, Kuang-Lei Tsai, Arthur Laganowsky, Francisco J. Asturias, John A. Tainer, Carol V. Robinson, Todd O. Yeates.
<http://www.nature.com/nchem/journal/v6/n12/full/nchem.2107.html>

Intracellular CO Release from Composite of Ferritin and Ruthenium Carbonyl Complexes.

Journal of the American Chemical Society, Vol. 136, Issue 48, pp. 16902 – 16908. Kenta Fujita, Yuya Tanaka, Takeya Sho, Shuichi Ozeki, Satoshi Abe, Tatsuo Hikage, Takahiro Kuchimar, Shinae Kizaka-Kondoh, Takafumi Ueno.
<http://pubs.acs.org/doi/abs/10.1021/ja508938f>

High-throughput imaging of heterogeneous cell organelles with an X-ray laser.

Nature Photonics, Vol. 8, pp. 943 – 949, November 2014. Max F. Hantke, Dirk Hasse, Filipe R. N. C. Maia, Tomas Ekeberg, Katja John, Martin Svenda, N. Duane Loh, Andrew V. Martin, Nicusor Timneanu, Daniel S. D. Larsson, Gijs van der Schot, Gunilla H. Carlsson, Margareta Ingelman, Jakob Andreasson, Daniel Westphal, Mengning Liang, Francesco Stellato, Daniel P. DePonte, Robert Hartmann, Nils Kimmel, Richard A. Kirian, M. Marvin Seibert, Kerstin Mühlig, Sebastian Schorb, Ken Ferguson, Christoph Bostedt, Sebastian Carron, John D. Bozek, Daniel Rolles, Artem Rudenko, Sascha Epp, Henry N. Chapman, Anton Barty, Janos Hajdu, Inger Andersson.
<http://www.nature.com/nphoton/journal/v8/n12/full/nphoton.2014.270.html>

Platelet-like Nanoparticles: Mimicking Shape, Flexibility, and Surface Biology of Platelets To Target Vascular Injuries.

ACS Nano, Vol. 8, Issue 11, pp. 11243 – 11253, October 2014. Aaron C. Anselmo, Christa Lynn Modery-Pawlowski, Stefano Menegatti, Sunny Kumar, Douglas R. Vogus, Lewis L. Tian, Ming Chen, Todd M. Squires, Anirban Sen Gupta, Samir Mitragotri.
<http://pubs.acs.org/doi/abs/10.1021/nn503732m>

Semiconductor Nanorod–Carbon Nanotube Biomimetic Films for Wire-Free

Photostimulation of Blind Retinas. Nano Letters, Vol. 14, Issue 11, pp. 6685 – 6692, October 2014. Lilach Bareket, Nir Waiskopf, David Rand, Gur Lubin, Moshe David-Pur, Jacob Ben-Dov, Soumyendu Roy, Cyril Eleftheriou, Evelyne Sernagor, Ori Cheshnovsky, Uri Banin, Yael Hanein.
<http://pubs.acs.org/doi/abs/10.1021/nl5034304>

Swimming by reciprocal motion at low

Reynolds number. Nature Communications, Vol. 5, No. 5119, November 2014. Tian Qiu, Tung-Chun Lee, Andrew G. Mark, Konstantin I. Morozov, Raphael Münster, Otto Mierka, Stefan Turek, Alexander M. Leshansky, Peer Fischer.
<http://www.nature.com/ncomms/2014/141104/ncomms6119/full/ncomms6119.html>

Nanoparticle-Mediated Binning and Profiling of Heterogeneous Circulating Tumor Cell Subpopulations.

Angewandte Chemie, November 2014. Reza M. Mohamadi, Justin D. Besant, Adam Mepham, Brenda Green, Laili Mahmoudian, Thaddeus Gibbs, Ivaylo Ivanov, Anahita Malvea, Jessica Stojcic, Alison L. Allan, Lori E. Lowes, Edward H. Sargent, Robert K. Nam, Shana O. Kelley.
<http://onlinelibrary.wiley.com/doi/10.1002/ange.201409376/abstract>

For further information, or if you have any questions about the Nanomedicines Alliance, please contact the Nanomedicines Alliance Secretariat at 1-202-230-5653.

CONFERENCES AND WORKSHOPS

NanoPortugal 2015, 11 – 13 February 2015, Lisbon, Portugal

Nanoinstrumentation
Nanoscale modeling
Graphene
Nanomedicine

<http://www.nanopt.org/15EN/topics.php?m=c&s=to>

1st European Conference on Pharmaceutics: Drug Delivery, 13 – 15 April 2015, Reims, France

Targeting
Liposomes and nanoparticles

<http://www.apgi.org/Reims2015.htm>

5th Zing Bionanomaterials Conference, 25 – 28 April 2015, Algarve, Portugal

Synthesis
Characterization
Toxicity
Therapeutics

http://www.zingconferences.com/conferences/5th-zing-bionanomaterials-conference/?utm_source=Bionano&utm_campaign=4c88800925-11_25_2014+150OFFER&utm_medium=email&utm_term=0_1b10fe4b2a-4c88800925-173199889

EuroNanoForum 2015, 10 – 12 June 2015, Riga, Latvia

Nanomanufacturing
Advanced Materials

<http://euronanoforum2015.eu/>

International Society for Biomedical Polymers and Polymeric Biomaterials, 8 – 10 July 2015, Orlando, FL

Nanocomposites
Drug delivery systems
Controlled release systems
Biomedical pharmaceutical polymers

<http://isbpb.org/conferences-workshops/>

International Conference on Biomedical Engineering and Systems, 13 – 14 July 2015, Barcelona, Spain.

Biomedical devices
Biomaterials
Drug design
Nanotechnology for biomedical applications

<http://icbes.net/papers/>

REFERENCE SECTION

Nanobio- and Nanomedicine Companies

Listed alphabetically:

http://www.nanowerk.com/nanotechnology/nanomaterial/nanobiomedicine_a.php

Nano Organizations

National Center for Toxicological Research
(NCTR):

<http://www.fda.gov/AboutFDA/CentersOffices/NCTR/default.htm>

National Nanotechnology Initiative (NNI):

<http://www.nano.gov/>

Nano Science and Technology Consortium
(NSTC):

<http://www.nstc.in/>

Nano Science and Technology Institute (NSTI):

<http://www.nsti.org/>

The Nanotechnology Institute (NTI):

<http://nanotechinstitute.org/>

Nano Journals

American Chemical Society -- Nano Letters:

<http://pubs.acs.org/journal/nalefd>

Institute of Physics – Nanotechnology:

<http://iopscience.iop.org/0957-4484/>

Journal of Nanoscience and Nanotechnology:

<http://www.aspbs.com/jnn/>

NanoTrends - A Journal of Nanotechnology and
its Applications: <http://www.nstc.in/journal/default.aspx>

BCC Research -- Nanotechnology Reports:

<http://www.bccresearch.com/index/category/code/nanotechnology>

Nanomedicine: Nanotechnology, Biology, and
Medicine: <http://www.nanomedjournal.com/home0>

Nanomedicine:

<http://www.futuremedicine.com/page/about.jsp>

Nature Nanotechnology:

http://www.nature.com/nnano/focus/highlights/index.html?WT.mc_id=NM1110CT01

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