

NNCO NEWSLETTER: What's Big in Small Science?

Brought to you by the National Nanotechnology
Coordination Office (NNCO)

Highlight from the National Nanotechnology Initiative (NNI)

Nano Startup Challenge in Cancer (NSC²) Winners Announced: [Ten winning teams were announced](#) in this challenge, which is a partnership between NIH/NCI, the Center for Advancing Innovation, and Medimmune.

Launching in October of 2015, NSC² enrolled over 250 aspiring entrepreneurs and 28 teams. Teams accepted into the challenge were placed in a rigorous accelerator program. The winning entrepreneurs were selected based on 10-page business plans, financial models, and 20-minute "live pitches" to a panel of expert judges.

Top NNI Stories

2016 NNI Strategic Plan: Drawing from broad stakeholder input, including a public workshop earlier this year, representatives from the NNI member agencies have completed the [2016 NNI Strategic Plan](#). A draft plan was made available for public comment through September 23rd. The finalized 2016 NNI Strategic Plan is expected to be released on or around [National Nanotechnology Day](#).

Publications and Webinars: Federal agencies participating in the NNI have released a [white paper](#) describing the collective Federal vision for the emerging

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NNCO Director, Michael Meador

Director's Corner

On Sunday, October 9th, technical societies, universities, Federal agencies, National labs, and other organizations throughout the U.S. are celebrating the first ever [National Nanotechnology Day](#) (NND).

NND is an opportunity to engage the public, decision makers, and other stakeholders and discuss what nanotechnology is, how it has led to commercial products that are enhancing our daily lives, and how it will continue to benefit society, our economy, and our national defense. The nearly \$24 billion invested by NNI agencies has led to discoveries that have revolutionized science, supported the research of some of the leaders in nanoscience and engineering (including 2016 Nobel Laureate Sir J. Fraser Stoddart), and is fostering the careers of future leaders such as the 22 recipients of the 2015 Presidential Career Awards for Science and Engineering.

and innovative solutions needed to realize the [Nanotechnology-Inspired Grand Challenge for Future Computing](#).

NNCO hosted two webinars, "[Nanotechnology and the Insurance Industry](#)" on September 22nd in New York City and [Teaching Nano & Emerging Technologies Webinar](#) on October 4th.

Professional and Technical Society Outreach: The NNCO has been participating in monthly calls with nanotechnology-related professional and technical societies. If you would like to join the conversation, email NNCO Communications Director Marlowe Newman at mnewman@nnco.nano.gov.

Upcoming Events

October 5-January 31: NSF and NNI's [Generation Nano](#) superhero contest accepting submissions

October 9: [National Nanotechnology Day](#) (#NationalNanoDay)

October 9-November 9: NNCO's [EnvisioNano](#) image contest accepting submissions

October 9-January 11: NNCO's [Nano Film](#) video contest accepting submissions

October 19: NSI Webinar--[Water Sustainability through Nanotechnology: A Federal Perspective](#)

These investments together with those of industry have transitioned nanotechnology discoveries into a variety of commercial products including apparel, consumer electronics, sporting goods, and automobiles.

Nanotechnology has become a global enterprise. A recent report by Lux Research estimates that global revenues from nanotechnology-enabled products increased from \$339 billion in 2010 to \$1.6 trillion in 2014 and are expected to grow to nearly \$4 trillion by 2018. U.S. revenues are expected to reach nearly \$800 billion by 2018.

Nanotechnology is poised to revolutionize the way we diagnose and treat disease, improve our health and fitness, and enable human exploration of Mars. So it's fitting that we take some time to celebrate our nanotechnology accomplishments and reflect on what the future holds.

Check out the various [NND activities throughout the country](#), including NNCO-supported activities - the [100 Billion Nanometer Dash](#), a chance for people of all ages to upload videos of themselves using the hashtag [#100BillionNanometers](#), and [Nano Nuggets](#), short videos featuring experts in nanotechnology discussing its promise for the future.

What are you doing for National Nanotechnology Day? Let us know. Happy National Nanotechnology Day!!!



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