

Return on Investment from Federal Research

NIST Visiting Committee

February 7, 2018

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Today's Agenda

- Overview of Federal Law and Policy in Tech Transfer, and Related NIST Authorities
 - Paul Zielinski, Director NIST Technology Partnerships Office
- Panel Discussion of Benefits and Limitations of Current Technology Transfer Policy
 - Moderator: Henry Wixon, NIST Chief Counsel
 - Rochelle Blaustein , Deputy Director, Office of Technology Transitions, US Department of Energy
 - Stephen Auvil , Senior Vice President, Technology Transfer & Commercialization, Maryland Technology Development Corporation (TEDCO)
 - Gayatri Varma , Director, Collaborations Partnering & Strategy Washington D.C. Metro Area Biotechnology MedImmune
- Plan and Vision for NIST Efforts in Federal Technology Transfer Policy
 - Walter Copan, Under Secretary of Commerce for Standards and Technology and NIST Director
- Discussion

Previous VCAT Session

- Last time we presented on this topic was October 2012 with a focus on NIST activities
<https://www.nist.gov/sites/default/files/documents/2017/05/09/Update-on-Technology-Transfer-VCAT-October-2012.pdf>
- We promised to:
 - Develop a plan to increase transfer to partners
 - Expand our view of technology transfer and track outcomes
 - Improve our economic impact assessment

NIST Technology Transfer Policy Committee (TTPC)

- Established by Patrick Gallagher, Under Secretary of Commerce for Standards and Technology and NIST Director, December 2011
- Charge to Committee: “To develop a more comprehensive definition of technology transfer, and to identify improvements to processes and metrics that would more accurately capture the full impact of our scientific enterprise. The policy guidance this Committee provides will help establish and more conscious and comprehensive technology transfer strategy...”

Accomplishments

- NIST Technology Transfer Policy http://nist.gov/tpo/publications/upload/NIST-Tech-Transfer-Policy-2012_rev_REDUCED.pdf
- Expanded Definition of Technology Transfer
- Expanded Set of Technology Transfer Activity Metrics
- Economic Impact Analysis
- Streamlined Agreements
- Refocused Patenting Process
- Resolved Intellectual Property Conflict of Interest Issues
- Open Source Implications

NIST TTPC Recommendation November 2012

“Technology transfer is the overall process by which NIST knowledge, facilities, or capabilities in measurement science, standards and technology promote U.S. innovation and industrial competitiveness in order to enhance economic security and improve quality of life.”

Technology Transfer Mechanisms

- NIST Technology and Work Products
 - Participation in Documentary Standards Committees
 - Standard Reference Data
 - Standard Reference Materials
 - Patents and Licensing
 - Software and Other Downloadable Products
 - Technical Publications
- Assessing the Economic Impact of Technology Transfer
- NIST Collaborations
 - CRADAs
 - User Facilities – Research Participants
 - Postdoctoral Researchers
 - Guest Researchers
 - Start-ups and Young Companies
 - Calibration
 - Accreditation Services
 - Small Business Innovation Research Conferences, Workshops, and Inquiries
 - Competitions/Prizes

Reconvening the NIST TTPC

- Reconvened by Kent Rochford, Acting NIST Director, July 2017
- Charge to Committee: “It is important that NIST continue to serve as an exemplary program in this area, given our leadership role across government agencies. The focus on NIST’s policy role, combined with the responsibility of carrying our own plan, again offers NIST a leadership opportunity to redefine the way the Federal Government thinks about tech transfer...NIST is currently developing a long term strategic plan for the laboratory programs. To further this objective, I am asking the Committee to consider how the technology transfer activities can support this plan and enhance engagement with external partners.”

Technology Transfer Policy Committee FY 2018 Membership

- Associate Director for Laboratory Programs – Kent Rochford
- Director, NCNR – Robert Dimeo
- Director, MML – Eric Lin
- Director, EL – Howard Harary
- Director, PCO – Jason Boehm
- Chief, Budget Division – Eddie Rivera
- NIST Chief Counsel – Henry Wixon
- Associate Director for Innovation & Industry Services (Chair) – Phillip Singerman