



NCI Alliance for
Nanotechnology
in Cancer

NCI Alliance for Nanotechnology in Cancer Status Report

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NCI Approach: Alliance for Nanotechnology in Cancer

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Medical applications of nanotechnology require multi-disciplinary approach involving both technology developers and technology users in the process of innovation and product development



A comprehensive, systematized initiative encompassing the public and private sectors and designed to accelerate the use of the best capabilities of nanotechnology to cancer applications was launched by NCI in 2005



- **Centers of Cancer Nanotechnology Excellence (CCNEs)**
- **Cancer Nanotechnology Platform Partnerships (CNPPs)**
- **Training programs**
- **Nanotechnology Characterization Laboratory (NCL)**

Major Accomplishments

- **Scientific standing** – 475 journal papers published with average impact factor > 8.
- **Clinical translation** – over 30 companies formed and associated with the program in the space of diagnostics and therapy. Developing strong intellectual property portfolio - 133 disclosures and patents filed.
- **Leveraged funding:**
 - over \$80 M of new, peer-reviewed government research funds (accumulative amount for period of next five years)
 - over \$150 M of funds from philanthropic sources to establish infrastructure and perform research