

*National Institutes of Health  
Office of Technology Transfer*



*National Institutes of Health (NIH) Office of Technology Transfer*

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## INTRODUCTION

NIH has an extensive intellectual property portfolio of early-stage technologies<sup>1</sup> and also invests substantially in their development. Roughly 10 percent of the annual NIH budget is dedicated to intramural research and development activities that results in medical inventions in the areas of medical devices, software, vaccines, diagnostics, therapeutics, and reagents. Commercial partners are needed to ensure that the long hours at the lab bench and the public investment in the development of these inventions pay off in the end in marketed products.

NIH believes that innovative companies can play a significant role in the future development of leading-edge research. While the increasingly consolidated pharmaceutical industry remains a steady customer of research reagents and clinical collaborations with NIH, the more exciting therapeutic developments are increasing coming from NIH licenses signed with small and medium-sized life science companies early in their growth phase.

NIH affords creative treatment to small firms and tries to provide IP agreements that facilitate new areas of product development based upon NIH research to attract and help companies in the early-stages of their development. For example, financially-burdened smaller companies can benefit from flexibility on patent costs and license execution fees in license agreements. Of particular note for venture-backed firms is that companies do not give up equity or management control nor are their future development or marketing rights compromised by signing NIH license agreements. Finally, once the product is in development, NIH has the capability to **assist with clinical trials**, conduct **research collaborations**, and eventually purchase the product as a customer.

We have collected some nanotechnologies your company might be interested in for further discussion with our licensing managers.

Once you have picked the technology of interest, we urge you to apply for a License. A copy of the License Application template can be found at the NIH OTT website at:

[http://www.ott.nih.gov/forms\\_model\\_agreements/forms\\_model\\_agreements.aspx](http://www.ott.nih.gov/forms_model_agreements/forms_model_agreements.aspx)

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<sup>1</sup> *The NIH Office of Technology Transfer cannot guarantee that the listed technologies are still available for licensing. Please contact the Licensing and Patenting Manager (listed under each technology) for the current status and for other complementary technologies.*

# Medical Device Technologies

Ref No.	Title
E-219-1988	<a href="#">ARTIFICIAL SALIVARY GLAND</a>
E-157-1992	<a href="#">TRAPPING OF AFLATOXINS AND PHYTOESTROGENS</a>
E-104-1992	<a href="#">HAND PUNCTURE PROTECTOR</a>
E-174-1994	<a href="#">APPARATUS AND METHOD FOR IN SITU DETECTION OF AREAS OF CARDIAC ELECTRICAL ACTIVITY</a>
E-020-1996	<a href="#">IMAGE REGISTRATION USING CLOSEST CORRESPONDING VOXELS WITH AN ITERATIVE REGISTRATION PROCESS</a>
E-170-1997	<a href="#">FIS MOLECULAR FLIP-FLOPS</a>
E-186-2000	<a href="#">Radio-Frequency Probes For Tissue Treatment and Methods of Use</a>
E-348-2001	<a href="#">Image Guided Liver Interventions Based On Magnetic Tracking Of Internal Organ Motion</a>
E-339-2001	<a href="#">Filtration of Red Blood Cells</a>
E-269-2001	<a href="#">Endotracheal Tube Using Leak Hole To Lower Resistance And Dead Space</a>
E-207-2001	<a href="#">Biopsy Needle With Radio Frequency Cauterization</a>
E-280-2002	<a href="#">Tissue Micro-osmometer</a>
E-185-2002	<a href="#">FITC-Encased Superparamagnetic Microparticles with a Shell of Inert Polystyrene and Di-Vinyl Benzene Coated with Activatable - COOH Groups</a>
E-181-2002	<a href="#">Intramuscular stimulation of the extrinsic and intrinsic laryngeal musculature to improve swallowing, voice and upper esophageal sphincter</a>
E-171-2002	<a href="#">A Closed Microscope Chamber With Gas/Liquid Volume/Pressure Control And A Positionable Articulating Ball Joint For A Glass Capillary...</a>
E-309-2003	<a href="#">A Simple Device Designed To Create A Transverse Closed Tibia Fracture In Mice And Other Small Lab Animals</a>
E-304-2003	<a href="#">CONTAINER FOR DRYING BIOLOGICAL SAMPLES, METHODS OF MAKING SUCH CONTAINER, AND METHOD OF USING SAME.</a>
E-218-2003	<a href="#">Deliberately Enhanced Bio-indicators: A Better Monitor For Decontamination Of Weaponized Bacteriologic Agents</a>
E-049-2003	<a href="#">Dose-Guided Radiotherapy (DGR), UltraRad-A Method And Probe To Enhance Radiation Delivery</a>
E-035-2003	<a href="#">Moving Fulcrum Deflectable-tip Having A Variable Radius Of Curvature For Minimally-invasive Diagnostic And Therapeutic Procedures</a>
E-298-2005	<a href="#">Active MRI Compatible And Visible IMRI Catheter With A Wireless Solution</a>
E-272-2005	<a href="#">Invention Of Tools For The Subculture Of Embryonic Stem Cells</a>
E-251-2005	<a href="#">Improvements To Vibro-tactile Stimulation Device</a>
E-098-2005	<a href="#">Image Guided Method And Device For Assessment Of Viability Of The Donor Organs During Resuscitation</a>
E-039-2005	<a href="#">Confocal Fiber-optic Laser Method For Intraocular Lens Power Measurement</a>
E-249-2006	<a href="#">A Device To Protect Coronary Arteries Against Compression During Transcatheter Mitral Valve Annuloplasty (PMVA)</a>
E-024-2006	<a href="#">A Minimally Invasive Microdialysis Probe For In-vivo Sampling And Drug-delivery</a>
E-081-2008	<a href="#">Magnetic Microstructures For Magnetic Resonance Imaging (MRI) Systems</a>
E-102-2010	<a href="#">Sound Attenuation Canopy (SAC): Reduces Noise Transmitted Through The Suspended Ceiling System Present In Most Office Buildings</a>
E-048-2010	<a href="#">Improved Pepper Spray For Repellency And Incapacitation Of People And Animals</a>