



Research Partnerships at BNL

Ivar Strand, M.B.A Manager Office of Research Partnerships

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My Biography

- First generation Norwegian with both parents emigrating here after WWII
- Brother is a veterinarian in Norway and is an active researcher in equine medicine
- Built the Sponsored Program enterprise at Stony Brook University
- Have worked in health care, private and public education systems and federal lab in research administration space
- MBA from Dowling College and 2 undergraduate degrees from the University of Miami
- Been at BNL Managing Research Partnerships for 2 years now



Research Partnerships and Technology Transfer



Types of Partnering Agreements

- Cooperative Research and Development Agreement (CRADA)
- Funds-In Agreement Strategic Partnerships Projects (SPP)
- Technical Services Agreement (TSA)
- Interagency Agreement (IAA)
- Agreements for Commercializing Technology (ACT)
- Non-disclosure Agreements (NDA)



Proposal Information Management System (PIMS)

- What is PIMS?
- Risk Assessment can now be submitted for Research Partnership activity as well as DOE activity
- Proposal Information Questionnaire can be submitted for Research Partnership activity once a Risk Assessment has been completed
- Project underway to make Joint Work Statement part of the PIMS process
- Annual certification of DOE Risk Assessment also a project in the pipeline



Prominent Projects RP has been involved in

- Contract Manager for 100M Electron Ion Collider project
- Primary interface on all funding coming from NYS
- Handle all contract activity for the use of NSRL, Tandem and Cryo-EM facilities
- Facilitate approval of Research Partnerships with Foreign Entities (Mercedes, Toyota, GSK, the European Union etc.)
- Engaged in several collaborations involving multiple labs (Atom, L'Innovator etc.)



Questions?

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Technology Transfer at BNL

Poorni Upadhya, Ph.D. M.B.A Manager Office of Technology Transfer

Date: 5-12-2022



About Me

- Born and brought up in Bengaluru, India
- Ph.D in Biochemistry from Indian Institute of Science
- Research on PKD at Jackson Laboratory, ME
- Continued research at Vanderbilt University, TN
- Continued research at Long Island Jewish Medical Center, NY
- MBA in Finance from Stony Brook University, interned at BNL's Technology Transfer Office and never left...







Technology Transfer - Is a DOE Mission

Technology transfer is the process by which existing

knowledge, facilities, or capabilities developed under

federal research and development (R&D) funding are

utilized to fulfill public and private needs.



Types of Intellectual Property (IP)

Utility Patent - Covers product, process, or machine

Design Patent - Covers product that has a distinct design, distinct ornamentation or both

Copyright - Protects original works of authorship in a tangible form of expression **Trademark** - Protects any word, phrase, symbol, design, or a combination of these things that identifies your goods or services.

Trade secret - Any practice or process that is not known outside of the organization



Technology Transfer Process at a Glance



Technology Transfer Process at a Glance



It takes a Community!

- Researchers
- Intellectual Property Professionals
- Technology Transfer Professionals
- License Administrator
- Licensees Industry, Entrepreneur, Venture Capitalist



Bacteriophage T7 Protein Expression System

Method to produce wide range of proteins

Pioneering discoveries that shaped the field of recombinant DNA technology



* Atomic Energy Commission (AEC) until 1975; The Energy Research and Development Administration (ERDA) until 1977; DOE after 1977

Technetium (Tc) – 99m

Used as a Medical Tracer

Most common radioisotope used in diagnosis, with 30 million procedures per year



Entrepreneurial Training

- Foundation necessary to perform preliminary evaluation of product and product enhancement ideas
- Training in customer discover and pitch development



Thank you!!

