

Tech Transfer Times

Who we are

What is Tech Transfer? It's the movement of new ideas, inventions, and innovations out of the lab or classroom, the protection of them if necessary with a patent or trademark, and bringing them into the commercial sector for the benefit of the innovator, the university, the community, and the world.

Two offices

At NDSU, Tech Transfer is actually carried out by two different entities, the NDSU Technology Transfer Office (NDSU/TTO) and the NDSU Research Foundation (NDSU/RF). NDSU/TTO receives the initial invention disclosure, assesses its potential, and assigns it if appropriate to the NDSU/RF. The NDSU/RF, a separate nonprofit organization tasked with commercializing NDSU technology, protects and markets the technology in order to generate licensing revenue to be shared with the inventors and NDSU.

NDSU Policy 190

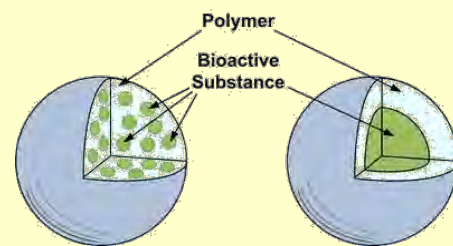
INTELLECTUAL PROPERTY

The purposes of this policy are to encourage and promote research and scholarship based on the traditional principles of the academic profession. Read NDSU Policy 190 at:

www.ndsu.edu/fileadmin/policy/190.pdf

A New Process for Making Nanospheres

Imagine a bubble so small that its diameter is less than 100 *billionths* of a meter. Dr. Vicki Gelling and her team in the Coatings and Polymeric Materials Department have developed a new method of developing highly uniform nanospheres, tiny orbs that have the potential to encapsulate a pharmaceutical, chemical, or metal. Potential applications for these tiny spherical "transport vessels" could be in the areas of coatings, electronics, drug delivery, and diagnostics, to name a few. This simple, environmentally-friendly process produces nanospheres that are very uniform in size and shape and are low-cost and easily reproducible. This technology is patent pending and being marketed by the NDSU Research Foundation to companies in multiple industries.



Active Ingredients can be encapsulated in the nanospheres as a means of transport to hard to reach locations within the human body.



Spotlight on NDSU Researcher

Jagdish Singh, Ph.D., is Professor and Chair of the Department of Pharmaceutical Sciences. Dr. Singh's research efforts focus on the mechanistic studies for developing and testing novel delivery technologies to deliver biotechnologically derived molecules. Two of these drug delivery technologies are available for licensing on the NDSU Research Foundation website. Visit:

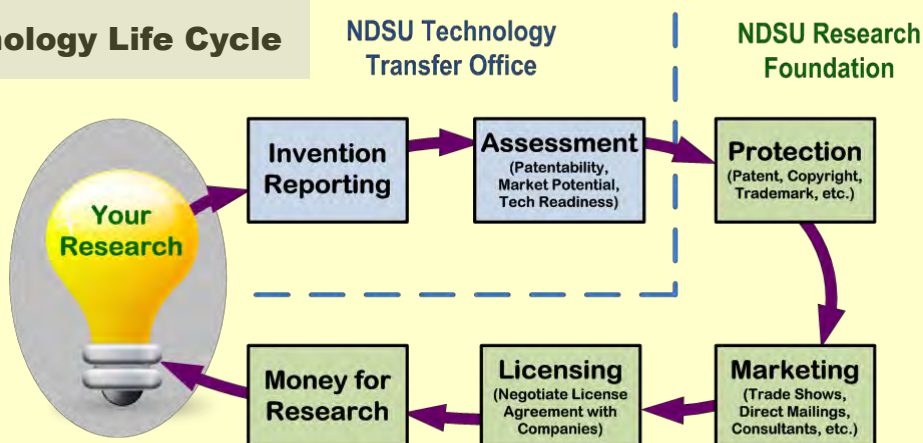
www.NDSUResearchFoundation.org/rft387

www.NDSUResearchFoundation.org/rft388

Dr. Singh received NDSU College of Pharmacy Researcher of the Year awards on two separate occasions and was recognized with the Fred Waldron Research Award in Year 2002 for his outstanding contributions in research and creative activities at NDSU.

Dr. Singh teaches Novel Dosage and Drug Delivery Systems to undergraduate and graduate pharmacy students at NDSU. He has received the NDSU College of Pharmacy Teacher of the Year award three times. He was also recognized twice as a preferred professor by Mortar Board for his continued service and dedication to the students of NDSU through excellence in academic teaching.

Technology Life Cycle



Success Stories

Spotlight on NDSU Start-Up Company

NDSU is well known for the advanced coatings technologies developed by the Department of Coatings and Polymeric Materials. The NDSU Research Foundation recently licensed one of these coatings to Elinor Specialty Coatings, LLC.



Dr. Dante Battocchi holding a bison statue coated with BronzeShield™

Elinor is a Fargo-based start-up company owned by NDSU Professor and Inventor Dante Battocchi and his wife Holly Anderson Battocchi. Together, they are seeking ways to develop and market the unique coating that protects bronze statues and monuments exposed to the sun and other outdoor elements. They have named the polymer technology BronzeShield™.

BronzeShield™ allows the original patina of the bronze to remain, while protecting the underlying surface from salt, UV radiation, moisture, and vandalism. This coating is also easily removed by solvent, which eliminates the damage caused by traditional mechanical removal methods.

"Monuments are meant to last forever, but budget constraints often cause public art to go unprotected," said Holly Anderson Battocchi, president of Elinor. "It can cost hundreds of thousands of dollars to restore a piece of public art. BronzeShield's durability, and easy application and removal, allow for a more economical way for curators to manage the maintenance schedule and yet retain the integrity of the art as the artist intended."

To view the complete article go to www.ndsuresearchfoundation.org/

To Learn more about Start-Ups and/or the Licensing Process, please contact one of our staff members.

NDSU Class Project is a Successful Venture

The Department of Apparel, Design & Hospitality Management (ADHM) is working with students to create new products and promote the sale of their Tartan Plaid design. It all started in the fall of 2010, with a challenge to students in the ADHM to design a tartan plaid that would use NDSU colors and reflect the history of our university.

Three entries were selected as finalists from over 50 entries and put up for a vote by NDSU alumni, students, faculty and staff. The winning plaid was created by Kelly Nelson, a sophomore at the time, majoring in Apparel, Retail Merchandising, and Design.

Current Tartan items for sale include a man's tie, a scarf, notecards and a t-shirt displaying a plaid bison.

Royalties collected from the sale of these items are placed in a dedicated Endowment Account set up in the NDSU Research Foundation. Monies made by this investment will be returned to the department and may be used for student scholarships and research funding for faculty.



Protecting Software

Under NDSU Policy 190, software innovations developed by NDSU faculty, staff, and some students must be reported to the NDSU TTO. However, while most discoveries can be protected by patent, patents are not necessarily appropriate for software inventions. Unless a novel algorithm is involved, software is often best protected by copyright.

The software reporting form for disclosing a software invention to our office can be found online in the following location:

www.ndsu.edu/research/tech_transfer/forms

If you have questions on the form or what to disclose, you can contact any of the staff members listed below.

Contact

Got a Great Idea?

The Tech Transfer Office is here to help you with your Intellectual Property needs. Please call or e-mail one of our staff members to set up a discussion time.

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TTO Tip: Protect before you Publish or Publicly Disclose!

Q: I want to publish, disclose at a conference or talk to an interested company about my latest research discovery. Would I still be able to protect it?

A: Although we prefer that you come to us before you publish, we may still be able to apply for a patent with US rights only. Publishing, making a presentation, or any other means of public disclosure may result in the loss of foreign

rights. In other words, we may not be able to obtain a patent in another country.

It is good practice to contact the Tech Transfer Office before talking to an outside company to discuss the possibility of putting a Confidentiality Agreement or CDA in place. This ensures legally that anything discussed between the two parties is not considered a public disclosure.