



INNOVATION

Office of Innovation Commercialization Quarterly Newsletter

Resourcing the Innovation Hub at Tech

By Dr Myrriah Tomar

Innovation has been the backbone of New Mexico over the years. From the historic atomic bomb developed in Los Alamos to the most refined pieces of arts - New Mexico has the potential to compete globally.

Here at New Mexico Tech, we are strategically positioned to harness all these potentials by developing inventors to create and entrepreneurs to market these talents to the world.

The OIC has a number of resources available to students, faculty, and staff through the New Mexico Small Business Development Center (SBDC) and the Technology Commercialization Accelerator (TCA) programs. We are committed to this process by providing a thorough evaluation of disclosures received at various levels to support start-ups and patent-ready ideas at no cost to the inventor using a royalty scheme.

We have patented and assisted inventors to attract a wide variety of licences with the big names in industry. Please scan to review a full list of patents from New Mexico Tech available for licensing or view our website: <https://www.nmt.edu/oic/>



LICENSEABLE PATENTS AVAILABLE

- Self-Powering Smart Clothing
- Solid Particle Aerosol Generator
- Proteasome Inhibitors Used to Treat Cancer
- Improved Flight Efficiency and Energy Harvesting
- Pharmaceutical Drug Delivery using Lipid Prodrugs
- Compounds That Target Drug-Resistant Cancer Cells
- Antibiotic Sensitivity-Restoring and Photosensitive Agents
- A 3D Printed Nickel-Based Superalloy Resistant to Cracking
- Separation of Nanoparticles via Acoustofluidic Flow Relocation
- A Solution to Tin Whisker-related Failures in Electronic Systems

EXECUTIVE DIRECTOR'S MESSAGE

Fulfilling our mandate to build the research potential of New Mexico Tech, we encourage our community to submit disclosures of ideas or business plans for our review.

We can guarantee the best legal and technical support necessary for nurturing novel entrepreneurial and innovative proposals from a variety of disciplines.

We appreciate the continued support of Nusenda Credit Union as our key sponsor.



The Power of WE



Dr Snezna Rogelj

Ph.D. Biochemistry

11 Patents and counting

Dr Rogelj was a professor of biology at New Mexico Tech with special interests in melanoma cell lines. She graduated with a B.Sc. in Physics with emphasis on Astronomy in 1976 from the Ohio State University. She took a summer course in physiology at Woods Hole Marine Biological Laboratory (Boston University School of Medicine) in 1982 and graduated in 1985 with a Ph.D. in Biochemistry.

Professor Rogelj worked as a post-doctoral fellow after that at the Whitehead Institute (MIT, Cambridge, MA) from 1984 to 1988 on molecular and cell biology of growth factors in cancer. She has worked in various teaching and research positions since then and was awarded the U.S. Department of Energy's Defense Programs Early Career Scientist and Engineer Award in 1999.

In 2020, professor Rogelj and her co-inventor, Danielle Turner, secured a new licensing agreement with Parnell Pharmaceuticals to develop an antiviral treatment to be used as a topical nasal spray against COVID-19 (source: El Defensor Chieftain).

Professor Rogelj has at least 11 patents to her credit and is committed to advancing the study of cell biology. The office of innovation commercialization (OIC) wish her well in her endeavors.



Pat Miller Students Investment Club was created to help students attract other sources of income using investment as a tool. It is open to all full-time students.

Interested in joining? Send an email to the club president via: investment.club@npe.nmt.edu

Weekly Meetings

Day: Wednesdays **Time:** 6:00 pm **Venue:** Spear 16



A Hearty Laughter

Three engineering students gathered to discuss the design of the human body. One said, "It was a mechanical engineer. Just look at all the joints." Another said, "No, it was an electrical engineer. The nervous system has many thousands of electrical connections." The last said, "Actually it was a civil engineer. Who else would run a toxic waste pipeline through a recreational area?" **Source:** online



• **Engineers** like to solve problems but... If there are no problems handily available, they will create their own.

• How do you get an **engineer** to do something you want them to do? Tell them it's "impossible."

• How do you drive a **geologist** insane? Make them watch as you fold up a map the wrong way.

Source: boredpanda