

# RESEARCH ND PROGRAM

**2015 - 2017 proposed total funding: \$12 million**

*Research North Dakota stimulates partnerships between North Dakota research universities and private sector businesses. It provides matching funds for the development and commercialization of products and processes through industry/research university projects.*

## RESEARCH ND AWARDS

**2015 - 2017 proposed funding: \$6 million**

Research ND funds can be used to commercialize new technologies, research and develop new products, and improve existing products or processes.

- Verify the Effectiveness of Unmanned Aircraft Systems (UAS)-mounted Sensors in Field Crop Livestock Production Management - \$42,935
- Law Enforcement UAS Research Project - \$35,266
- Improved Engineered Coatings for Aerospace and Naval Applications - \$34,073
- Stingray: Integrating Beyond Visual Line of Sight (BVLOS) Communications Capability into UAS - \$500,000
- Evaluation of Effectiveness of Sports Vision Programs in Improving Performance and Health in North Dakota Youth Athletes - \$213,399
- Design and Development of Accelerated Degradation Test Methodology for Hydro-Static System - \$99,875

## RESEARCH ND BIO AWARDS

**2015 - 2017 proposed funding: \$4 million**

Research ND Bio has the same intent as Research ND but is limited to the development and commercialization of vaccines and antibodies for the prevention of, treatment of, or cure for cancer; virally infections disease; or other pathogens, including bacteria, mycobacteria, fungi and parasites.

- Research, Development and Commercialization of ParvoOne - \$1,000,000
- Structural Characterization of Candida Vaccines - \$45,712
- Research and Development of Immunotherapeutic and Vaccine Candidates for Porcine Epidemic Diarrhea Virus - \$396,622

# RESEARCH ND VENTURE GRANT AWARDS

**2015 - 2017 proposed funding: \$2 million**

The Research ND Venture Grant Program is designed to help move university-developed technology into the marketplace through startup or spinout companies. It provides seed grants and matching funds to facilitate startup and spinout companies' use of university technology.

- Reduction of Gas Flaring by Advanced Separation and Storage - \$100,000
- Evaluation of Antifouling Coatings for Fresh Water Zebra Mussels - \$99,523
- Rational Antigen Design for Porcine Circovirus Strain 2 (PCV2) Vaccines and Diagnostics - \$99,995
- Homing in on Effective Antibody Responses to Enhance PRRSV Prophylaxis - \$99,965
- Proof of Concept Cloud Condensation Nucleus Counter for UAS - \$99,739
- Development of an Intelligent Self-Organizing Electrode Stimulation Delivery Network - \$100,000
- Material Compositions of Artificial Bone Fabrication - \$99,214
- Nanospheres to Provide Commercially Important New Properties to Paints and Coatings - \$100,000
- Development of Glioma Prognosis Kit - \$100,000
- Process and Application Research and Development for Soy-Based Materials for Industrial Applications - \$200,000
- Removal and Recovery of Phosphate from Eutrophic Lakes and Wastewater and Use of Recovered Phosphate as a Fertilizer - \$100,000
- Push-Button Adhesion Control - \$99,985
- Development of Inhibitors Targeting Gamma-Herpes Viruses - \$100,000
- Sensing Earth Environment Directly (SEED) Sensor - \$99,969
- Novel Anti-Inflammatory Drugs for Treating Alzheimer's Disease - \$100,000
- Development of a Mobile Medical Application for the Analysis of Hand Arthritis - \$100,000
- Development of Micro Cold Spray Print System - \$100,000

[www.ResearchND.com](http://www.ResearchND.com)