

The Student-Faculty Development Endowment Fund (SFDEF) is designed to encourage and support joint student-faculty scholarly, creative, artistic, and teaching-learning enhancement projects. A specially created Awards Subcommittee of the Faculty Development Committee with representation from The St. Norbert Collaborative, comprised of both students and faculty, reviews proposals written by the student-faculty collaborative teams. Awards are made annually late in the fall semester.

The Office of Faculty Development and The St. Norbert Collaborative is pleased to announce that twelve student-faculty learning partnership teams are receiving Student-Faculty Development Endowment Fund awards in the amount of \$1,000.00 for the 2010-2011 academic year:

**Mr. Blake Bashor, Senior Biology Major**

**Dr. David Hunnicutt, Assistant Professor of Biology**

Support for a project to identify bacteria in the zebra finch gut as well as to assess the effects of specific hormones and gut bacteria on endocrine function in the birds.

**Ms. Isabella Benassi, Junior Biology Major**

**Dr. Russ Feirer, Associate Professor of Biology**

Support for a project to study the effects of resveratrol on the glucose metabolism and cell viability of melanoma and breast cancer cell lines. Found in grapes and other plants, dietary resveratrol has been proposed to be a cancer preventative and toxic to cancer cells. The results will be presented at the American Association of Cancer Research in April, 2011.

**Mr. Sergii Bilokhatnuik, Junior Computer Science and Mathematics Major**

**Dr. Ravi Agarwal, Assistant Professor of Computer Science**

Support for a project to investigate Android's capabilities and limitations and develop a multi-level authentication application to enhance Android's security and authentication process. The application development will be done in Java programming language using Android's SDK and Eclipse platform. A formal research paper will be published following the conclusion of the project.

**Mr. Chase Brosseau, Senior Biology Major**

**Mr. Eric Gale, Junior Biology Major**

**Dr. Anindo Choudhury, Associate Professor of Biology and Environmental Science**

Support for a project to study the systematics and biogeography of parasites of freshwater fishes in Panama, and their role in addressing bio-geographical patterns on a broader scale in relation to the Great American Biotic Interchange. The results will be compiled and a public website will be made in collaboration with the Smithsonian Tropical Research Institute.

**Ms. Sarah Day, Senior Geology and Spanish Major**

**Dr. Rebecca Schmeisser, Assistant Professor of Geology**

**Dr. Nelson Ham, Professor of Geology**

Support for a project to assess periods of dune formation in Northeast Wisconsin and the reconstruction of paleo-wind directions utilizing new geological laboratory techniques. The results of this project will be used to test computer-model reconstructions of climate change and drought during the Dust Bowl in the early 1900s.

**Mr. Leivur Reinert Djurhuus, Junior Art Major**

**Mr. Brian Pirman, Associate Professor of Art**

Support for a project to design an installation piece for the Godschalx Gallery that addresses aspects of creative initiation. The "Exquisite Corpse" will be the model of interest, and a gallery of 10 3'x3' panels will be constructed using Adobe Photoshop and Adobe Illustrator.

**Ms. Megan King, Junior Sociology Major**  
**Dr. Bola Delano-Oriarian, Assistant Professor of Education**  
**Dr. Tynisha Meidl, Assistant Professor of Education**  
**Mrs. Debra Faase, Academic Instructor of Education**

Support for a project to identify, examine and evaluate the instructional literacy approaches teachers use in the classroom to meet the needs of culturally diverse learners. Results of the study will be submitted for scholarly publication in an education-based journal.

**Ms. Emily Klug, Senior Biology Major**  
**Dr. David Bailey, Assistant Professor of Biology**

Support for a project to study two proteins, tyrosine kinase B and vesicular glutamate transport, and the role they play in the hippocampus of zebra finches. This project will provide extra information for the evolving model of estrogen-mediated memory formation and results will be interpreted within the laboratory at St. Norbert College.

**Ms. Jamilya Sauranbayeva, Junior Business Administration Major**  
**Mr. Yerzhan Nauruzbayev, Sophomore International Business and Language Area Studies, and Political Science Major**  
**Dr. Wolfgang Grassl, Associate Professor of Business Administration**

Support for a project to study options for developing the logistics market in Kazakhstan with the goal of stimulating international business. This project will also look at the possibility of contributing to our local Brown County economy by requesting that Schneider National Inc. become involved in the project and provide services in the areas of Kazakhstan and central Asia where markets are rapidly growing.

**Ms. Alison Schaefer, Junior Chemistry Major**  
**Dr. David Poister, Associate Professor of Chemistry and Environmental Science**

Support for a project to sample and study a blue-green algae that releases a compound that stimulates the growth of freshwater diatoms. These algae and diatoms are present in our very own Fox River. The results will be published and will represent a significant contribution to the field of aquatic chemical ecology.

**Ms. Stephanie Weiss, Senior Business Major**  
**Ms. Andrea Burklund, Senior Accounting Major**  
**Dr. Amy Vandenberg, Assistant Professor of Business Administration**

Support for a project to study the affects of mark-to-market on a broad spectrum of banking industries ranging from small branches to large governmental institutions. The aims of mark-to-market have been to place a greater responsibility on the banking industry, but attempts to institute the new method have failed. This project is going to consolidate evidence to prove whether or not it is a beneficial way to deal with the current economic crisis and what affects this new method will have in the future.

**Ms. Renee Wenig, Senior Biology and Mathematics Major**  
**Dr. David Hunnicutt, Assistant Professor of Biology**

Support for a continued project to study nasal carriage of *Staphylococcus aureus* at St. Norbert College. The project will include taking self-nasal swabs from a large sample of students who will also fill out an anonymous questionnaire. The data will be analyzed to compare it to current research to determine current risk factors.