

## REPUTATIONAL SUCCESSES

### Dr. Dan Pennock Speaks at the United Nations

On December 4, 2015, U of S soil scientist Dr. Dan Pennock presented the Status of the World's Soils report to the United Nations (UN) as part of the official closing ceremony for the International Year of the Soils. Dr. Pennock is Canada's representative on the UN's Food and Agricultural Organization's (FAO) Intergovernmental Technical Panel on Soils.

### Welcoming Dr. Jason Raine

Dr. Jason Raine has been hired as the Senior Advisor for Aquatics Research Facilities, Office of the Vice-President Research. With more than 20 years of experience, Dr. Raine will develop and maintain harmonization of management practices within all U of S aquatic facilities and provide oversight, guidance, and support on all aspects of aquatic species care and use at the U of S.

### Dr. Debra Morgan Awarded SHRF 2015 Achievement Award

On December 4, 2015, Dr. Debra Morgan of the College of Medicine was awarded the SHRF 2015 Achievement Award in recognition of her leadership, excellence and achievement in the field of rural dementia health care. Dr. Morgan's research has fundamentally changed health service delivery across Saskatchewan for older adults with dementia through the establishment of her innovative Rural and Remote Memory clinic. She is an internationally recognized leader in her field who continues to successfully advance the goals of her large, multi-disciplinary research program.

### Other 2015 SHRF Award Winners

**Franco Vizeacoumar** (Biomedical) and **Corey Tomczak** (Socio-Health) were both recognized for being awarded the Top Establishment Grant in their respective categories.

**Chantal Kawalilak** (Biomedical) and **Tayyab Shah** (Socio-Health) were both recognized for being awarded the Top Research Fellowship in their respective categories.

The following were recipients of **Research Team Awards** in acknowledgment of being awarded the Top Collaborative Innovation Development Grant in their respective categories:

**Richard Huntsman, Jose Tellez-Zenteno, Richard Tang-Wai**, Clinical

**Troy Harkness, Terra Arnason, Gary Groot, John Gordon**, Biomedical

**Anne Leis & Leanne Smith, Gary Groot, Christine Meier, Pamela Meiers, Joan Santoro**, Health Services and Population Health - Group 1

**Caroline Tait, Cory Neudorf & Peter Butt, Leah Ferguson, Robert Henry, Robert Doucette, Cory Miller, Gabe Lafond**, Health Services and Population Health - Group 2

## FUNDING SUCCESSES

### SSHRC grants awarded to two faculty from the College of Education

**Dirk Morrison** awarded **SSHRC Insight Development Grant (IDG)** (Curriculum Studies) for use at the University of Saskatchewan for his project titled "How Older Adults Use Virtual Personal Learning Environments (vPLEs) to Support Informal, Self-Directed E-Learning". This research will run from July 1, 2015 through June 30th, 2017. \$50,000.

**Marcia McKenzie** awarded **SSHRC Connection Grant** (Department of Educational Foundations) for "Connecting Education and Environment: Mobilizing Sustainability in Education Research, Policy and Practice". \$25,000.

### MITACS awards U of S over \$600,000 in funding through their Accelerate and Elevate Programs

#### **Mitacs Accelerate**

**Raymond Spiteri** (Department of Computer Science) for "Analysis, Best Practices, and Content Creation for Mobile Learning" and Intern Saeed Ziaratgahi with industry partner Mathtoons Media, \$15,000.

**Akira Hirose** (Department of Physics and Engineering Physics) for "Magnetic Compression and Stability of Spheromaks" and Intern Carl Dunlea with industry partner General Fusion Inc., \$90,000.

**Hui (Catherine) Niu** (Department of Chemical and Biological Engineering) for "Drying Fuel Alcohols and Natural Gas with Biosorbents Based on Agricultural By-Products" and Interns Dr. Ravi Dhabhai, Divya Jayaprakash and Qian Huang. With industry partners, Spectrum Technologies Ltd. and Saskatchewan Canola Development Commission, \$120,000.

**Joyce McBeth** (Department of Geological Sciences) for "Mineralogical Characterization of Ore Samples from the Cameco Resources Smith Ranch-Highlands Uranium Mine, Unit B" and Intern Samira Sumaila. Additionally with industry partner Cameco Corporation, \$15,000.

**David Klymyshyn** (Department of Electrical and Computer Engineering) for "Multiband Phased Antenna Array Feasibility Study" and Intern Mehdi Hosseini with industry partner DragonWave Inc. \$15,000.

**Ajay Dalai** (Department of Chemical and Biological Engineering) for "Production of Renewable Drop-In Fuel from Syngas Derived from an Ethanol Industry" and Interns Dr. Sandeep Badoga, Phillip Boahene, and Vahid Vosoughi with industry partner EAJV Technology Inc., \$110,000.

**Mahshid Atapour** (Department of Finance and Management Science) for "Risk Analysis and Efficiency Measurement of Protocols for Missing Children in Saskatchewan" and Interns Dr. Mehdi Ghasemi and two additional interns to be determined, with partners Ministry of Justice Corrections and Policing and IRG-Informatics Inc., \$90,000.

**J. Dimmock** (Division of Pharmacy) for “Antineoplastic Evaluation of Novel 3, 5-bis(Benzylidene)-4-Piperidones” and Intern Swagatika Das with industry partner Bertech Pharma Ltd, \$45,000.

**David Klymyshyn** (Department of Electrical and Computer Engineering) for “Antenna Array Feasibility Study - Part 2” and Intern Mohammadreza Tayfeh Aligodarz with industry partner DragonWave Inc., \$15,000.

**Philip Chilibeck** (College of Kinesiology) for “The Benefits of Hemp Protein Supplementation during Resistance Training” and Intern Mojtaba Kaviani with industry partner Naturally Splendid® Enterprises, \$15,000.

**Richard Gray** (Department of Bioresource Policy, Business and Economics) for “An Economic Analysis of Improving the Grain Export Capacity at the West Coast Terminals” and Intern Mohammad Torshizi with industry partner Saskatchewan Wheat Development Commission, \$30,000.

**Won Jae Chang** (Department of Civil and Geological Engineering) for “Development of Functionalized Clay-Based Reactive Media for Removal of Cationic Salts from Brine Effluent (Salinity Mitigation for Potash Mine Effluent)” and Interns Blain Paul, Ashley Siemens, Nick Gibb and Nicola Harris with partners International Minerals Innovation Institute, Agrium, The Mosaic Company, PotashCorp, \$190,000.

**Ralph Deters** (Department of Computer Science) for “Patient Decision Aid for Musculoskeletal Injuries in Mild Hemophilia” and Intern Richard Kwadzo Lomotey with industry partners SAKINA Information Sciences and Bayer Healthcare, \$15,000.

**Ajay Dalai** (Department of Chemical and Biological Engineering) for “Purification of Crude Glycerol” and Intern Asish K. R. Somidi with industry partners Milligan Biofuels and Saskatchewan Canola Development Commission, \$45,385.

**Ajay Dalai** (Department of Chemical and Biological Engineering) for “Development of Fuel Additives for Internal Combustion Engines” and Intern Ravi Dhabai with Spectrum Technologies Ltd., \$60,000.

**Ralph Deters** (Department of Computer Science) for “Mobile Phone Based Ionizing Radiation Detector Optimization” and Intern Gau Su with industry partner Environmental Instruments Canada Inc. \$15,000.

**Ralph Deters** (Department of Computer Science) for “Design and Prove Rights Enforcer Cross Platform Development Strategy and SDE” and Intern Xiaodan Li with industry partners RightsX Inc. and Environmental Instruments Canada Inc., \$15,000.

**Francis Bui** (Department of Electrical and Computer Engineering) for “Electrostatic Multi-Sensor Fusion” and Intern Yuzhe Ouyang with industry partners CNH Industrial Canada Ltd., \$15,000.

**Mohamed Boulfiza** (Department of Civil and Geological Engineering) for “Developing a Cold Weather Admixture System for Low Temperature Masonry Construction” and Intern Ouafi Saha with industry partners Canada Masonry Design Centre (CMDC), \$15,000.

## **Mitacs Elevate**

**Chris Zhang** (Department of Mechanical Engineering) for “Design and Control of a Reconfigurable Packaging System” and Intern Yu Cao with industry partner DCZS Intelligent Systems Inc., \$57,500.

**Alan Rosenberg** (Department of Pediatrics) for “Synergistic Actions of Nutraceuticals on Pain and Inflammatory” and Intern Tracy Wilson-Gerwing with industry partner Bioriginal Food & Science Corp., \$57,500.

## **Contract Funding Successes**

**Craig Stephen** (Canadian Wildlife Health Co-operative) has received \$239,999 from the Public Health Agency of Canada for his project entitled "Zoonotic Pathogens in Canada".

**Kirsten Bett** (Department of Plant Sciences) has received \$1,046,188 from the Saskatchewan Pulse Crop Development Board for the project entitled "Application of Genomics to Innovations in the Lentil Economy (AGILE)".