PRESIDENT'S REPORT: November 20, 2018

GENERAL

A review of the Respectful Work and Learning Environment and Sexual Assault policies, mandated by the University to be reviewed every three years, is underway. The current review of these policies, which has the goal of generating updated policies that meet the community's needs as well as new sexual violence policy guidelines established by the Province, continues on schedule. Community consultations with stakeholder groups is ongoing, with completion expected in mid-November. The committee expects to have a draft ready for bargaining unit review by January 2019.

Two U of M graduate students are recipients of 2018 Vanier Canada Graduate Scholarships. The recipients are Taylor Morriseau (Pharmacology and Therapeutics) and Iloradanon Efimoff (Psychology).

Morriseau, a Cree woman from Peguis First Nation will investigate how a traditional Indigenous diet can quell a gene variant that is strongly associated with Type 2 diabetes in Oji-Cree children under the supervision of Vernon Dolinsky (Pharmacology) and Christine Doucette (Physiology and Pathophysiology) at the U of M and Children's Hospital Research Institute of Manitoba. Efimoff, whose supervisor is Kathryn Starzyk (Psychology), will use her funding to probe a dauntingly large question crucial to Canada's reconciliation efforts: How can we teach people to be less racist towards Indigenous people in Canada? Being both Haida and European settler, Efimoff identifies strongly with her Haida roots.

These awards help recruit and keep in Canada top doctoral students from across the country and around the world. Each recipient will receive $150,000 over three years towards her research. Efimoff and Morriseau are among 26 previous U of M Vanier Scholarship recipients in the past 10 years.

On November 1st, the University of Manitoba hosted more than 400 guests at Visionary Conversations exploring the topic: "The power of one: what's my responsibility as a global citizen?" The panel discussed a series of issues facing communities around the globe including intolerance and anti-immigration sentiments, climate change, violence, and the influence of media and digital tools- and how small steps made by an individual can galvanize whole communities to make positive change.

Panelists included:

- Nahlah Ayed BSc (Hons)/1992, MA/02, LLD (Hon)/2008
- Brenda Gunn BA (Adv.)/2002
- Laura Michalchyshyn BA/1989

At the Royal Society of Canada (RSC) Celebration of Excellence November 15 – 18, three members of the University of Manitoba community were recognized by the RSC: Dr. Gordon Fitzell, Desautels Faculty of Music, was inducted into the RSC's College of New Scholars, Artists and Scientists; Dr. David Barnard, President, was named a Specially Elected Fellow, and Dr. Frank Plummer (Max Rady College of Medicine) received the Flavelle Medal. Further details may be found in Research Matters.

ACADEMIC MATTERS

- Tina Chen, history, was honored as a 2018 Local Community Champion Special Award recipient by the Canadian Race Relations Foundation (CRRF). The work of the foundation is premised on the desire to create and nurture an inclusive society based on equity, social harmony, mutual respect and human dignity.

- Michele Rogalsky, school of agriculture, has been appointed a member of the Board of Directors for the Canadian Agricultural Safety Association (CASA).

- Andrea Charron, political studies, was presented with the North American Aerospace Defense Command (NORAD) Commander's Award for service to North American Aerospace Defense Command (NORAD), in recognition of her efforts in organizing Canada's 60th anniversary of NORAD.

- Naranjan Dhalla, distinguished professor, physiology, will be inducted into the Canadian Medical Hall of Fame.

- Timm Giessbrecht, german and spanish, received a Deutscher Akademischer Austauschhdiens (DAAD); a highly competitive international undergraduate scholarship.

- Erin Millions, history, was awarded the Canadian Studies Network Prize for the Best Ph.D. Dissertation in Canadian Studies.

- Linda Lam, medicine, is the 2018 recipient of the Canadian Medical Hall of Fame Award. The award recognizes medical students who show outstanding potential as future leaders and innovators in health care.

- The grand opening of the new Dairy Farmers of Manitoba Discovery and Learning Complex was held on September 13. The new 60-cow facility features modern dairy production infrastructure that will enable research, teaching and outreach.

- The Decolonizing Lens monthly film series showcased three films about the effects of hydro development on Indigenous communities in Nunatsiavut (Labrador) and in Manitoba. Special guest filmmaker Ossie Michelin (Nunatsiavut) and activist/educator Ramona Neckoway (Manitoba) both attended and were available for discussion after the films.

- The Rady Faculty of Health Sciences created a permanent portrait wall in the Brodie Centre atrium, honouring the physicians associated with the University of Manitoba who have received the distinction of Canadian Medical Hall of Fame (CMHF) laureate. The University of Manitoba has been home to 10 such exceptional physicians as alumni or faculty.

- The Office of Sustainability, in partnership with the faculties of Asper School of Business, Engineering, Architecture and Clayton H. Riddell School of Environment, Earth and Resources, was successful in the application for the Samuel Weiner Distinguished Visitor Award. Dr. John Robinson from University of Toronto visited the U of M campus from September 25-28. During his visit, he gave a public lecture, a guest lecture and participated in a variety of faculty, research and student discussions.

- The public lecture, titled 'Normalizing Sustainability: Beyond Behaviour Change' was incorporated into the Homecoming events and was well attended by students, faculty, staff and alumni. More information is found here: http://news.umanitoba.ca/sustainability-is-top-of-mind-for-many-students-staff-and-faculty-at-the-u-of-m/

RESEARCH MATTERS

- Composer and performer Gordon Fitzell (Desautels Faculty of Music) was elected a member of the Royal Society of Canada's (RSC) College of New Scholars, Artists and Scientists. Also elected as a Special Fellow of the RSC was president and vice-chancellor David Barnard. Distinguished Professor Frank Plummer (Max Rady College of Medicine) was honoured with the Flavelle Medal for his outstanding contributions to biological science.

  Fitzell joins seven current members of the College of New Scholars, Artists and Scientists from the University of Manitoba, and Dr. Barnard is the first U of M president to be named a Specially Elected Fellow of RSC.

  Since 2009, Fitzell has been an Artistic Director of GroundSwell, Winnipeg's premiere new music series, and he leads the eXperimental Improv Ensemble (XIE), a performance group dedicated to fostering interdisciplinary collaboration with partners both on and off campus. Musicians around the globe, including Grammy-winning artists, have commissioned Dr. Fitzell's original works. His music has been performed on stages across Canada and around the world.

  Distinguished Professor and alumnus Dr. Frank Plummer, a trailblazing medical microbiologist who has led many breakthrough discoveries concerning HIV/AIDS. Perhaps the most widely known scientific contribution from Plummer is how he unraveled the mystery surrounding a particular group of women in Kenya who possessed natural immunity to HIV-1, the virus that leads to AIDS. The research focused on their immune systems and genetics to identify the basis for this resistance, and the project provided vital new information for HIV vaccine and drug development. Global interventions and campaigns have been built on his work, and these currently save tens of thousands of people annually.

  For 40 years, Dr. David Barnard has worked in and served the academic community in various institutions across Canada, making significant contributions throughout his distinguished career. These include significant increases to the University of Manitoba's research capacity, resulting in discoveries that have made significant global impact, the promotion of the principles of diversity and inclusion both on campus and across the country, and service on the boards of governance for many public and private organizations.

  These honours were bestowed at the RSC Celebration of Excellence, Nov. 15-18, in Halifax.

- 2017 Banting Postdoctoral Fellowships were recently announced. Christopher Pascoe joined the U of M in this new role, undertaking research with Canada Research Chair Andrew Halayko (Physiology, Pediatrics and Child Health, Internal Medicine and affiliated with the Children's Hospital Research Institute of Manitoba). This award of $140,000 over two years will allow Pascoe to investigate the

association between artificial sweetener consumption during pregnancy and the increased risk of asthma in offspring.

The Banting Postdoctoral Fellowship program, named for Canadian Nobel Peace Prize winner Sir Frederick Banting, aims to attract and retain top-tier talent and position them for success as the research leaders of tomorrow.

- Cardiovascular science pioneer Distinguished Professor Naranjan S. Dhalla (Physiology and Pathophysiology and St. Boniface Hospital Albrechtsen Research Centre) will be inducted into the Canadian Medical Hall of Fame (CMHF) in recognition of extraordinary contributions to health. Dhalla is a founding leader of two worldwide organizations of cardiovascular science – the International Society of Heart Research and the International Academy of Cardiovascular Sciences. In a career spanning more than 50 years, his work has helped to ensure that the benefits of scientific knowledge are shared globally.

  Dhalla was Director of the Institute of Cardiovascular Science at St. Boniface Hospital Albrechtsen Research Centre in Winnipeg for 19 years, trained more than 150 graduate students and postdoctoral fellows, edited/authored more than 50 books and has presented at more than 500 conferences worldwide. He also served as editor-in-chief of the journal *Molecular and Cellular Biochemistry. He is* one of six individuals being inducted into the CMHF at a ceremony in Montreal in May 2019.

- On Oct. 9, Federal Minister of Science and Sport Kirsty Duncan announced more than $558 million in discovery research funding, as part of the Government of Canada's plan to attract global talent, promote diversity, and provide nearly 4,300 researchers and students with the means to pursue world-leading discovery work across the country.

- More than $13 million in research funding and scholarships was announced for researchers and students at the University of Manitoba, across all disciplines, from psychology to mathematics, and from medicine to engineering.

- This year, the NSERC program is providing more than $5 million in additional supplements for early-career researchers, ensuring the next generation of scientists, engineers and researchers will have the tools they need to flourish.

- The successful research projects are as follows:

PI	Sponsor	Title	Awarded
Aluko, Rotimi (Food and Human Nutritional Sciences)	Discovery Grants Program	Quantitative structure-activity relationship studies of acteylcholinesterase-inhibitory peptides	$235,000
Aluko, Rotimi (Food and Human Nutritional Sciences)	Research tools & instruments (RTI)	Purchase of a preparative HPLC system for bioactive peptides research	$94,165

Araji, Mohamad (Environmental Design)	Discovery Grants Program	Symbiosis optimization of double skin facades and interactive image-based networking in cold climates	$130,000
Buchanan, Douglas (Electrical and Computer Engineering)	Discovery Grants Program	Olfactory sensors and MEMS based ultrasonic transducers	$140,000
Butler, Leo (Mathematics)	Discovery Grants Program	Thermostat dynamics	$80,000
Cai, Jun (Electrical and Computer Engineering)	Discovery Grants Program	A new paradigm of radio resource management for future wireless communication networks integrating crowd intelligence	$230,000
Camacho, Alfredo (Geological Sciences)	Discovery Grants Program	Understanding the processes that affect isotopic ages to resolve both time and rates of geologic processes	$125,000
Chakhmouradian, Anton (Geological Sciences)	Discovery Grants Program	Carbonatites in plate-collision zones: Implications for mantle processes, carbon cycling, and rare-earth metallogeny	$150,000
Clark, Shawn (Civil Engineering)	Discovery Grants Program	Investigating the effect of river ice on sediment transport processes	$180,000
Coombs, Kevin (Medical Microbiology and Infectious Diseases)	Discovery Grants Program	Proteomic delineation of differential host cell regulatory pathways induced by Reovirus	$180,000
Cooper, Susan (Mathematics)	Discovery Grants Program	Powers in commutative algebra: Approaches, properties, and applications	$80,000
Davoren, Gail (Biological Sciences)	Ship time	The ecology of forage fish species and interactions with marine predators	$96,456
Durkin, Paul (Geological Sciences)	Discovery Grants Program	Deciphering the evolutionary history and depositional processes of meandering rivers	$125,000
Eck, Peter (Food and Human Nutritional Sciences)	Discovery Grants Program	Novel intestinal nutrient membrane transporters	$200,000
El-Salakawy, Ehab (Civil Engineering)	Discovery Grants Program	FRP- reinforced concrete columns under cyclic-reversed loads	$215,000
Farenhorst, Annemieke (Soil Science)	Discovery Grants Program	Factors influencing the sorption and mineralization of pesticides, antimicrobials and estrogens in soil.	$180,000

Fayek, Mostafa (Geological Sciences)	Discovery Grants Program	Ore systems, tectonics and geochemical cycles of metals	$215,000
Fayek, Mostafa (Geological Sciences)	Research tools & instruments (RTI)	Operating system for the Cameca 7f SIMS	$84,414
Friesen, Marcia (Electrical and Computer Engineering)	Discovery Grants Program	Machine learning approaches to image analysis	$140,000
Gibbs, Jason (Entomology)	Discovery Grants Program	Systematics and phylogenomics of wild bees	$165,000
Gwinner, Gerald (Physics and Astronomy)	Subatomic physics - Project	Fundamental symmetry tests with the francium laser trap facility at ISAC	$500,000
Harris, Steven (Biological Sciences)	Discovery Grants Program	Adaptations of fungi to life in extreme environments	$180,000
Jamieson, Randall (Psychology)	Discovery Grants Program	An experimental and computational examination of learning, memory, and language	$200,000
Jayas, Digvir (Biosystems Engineering)	Discovery Grants Program	Mathematical models of stored-grain ecosystems for management of stored grains	$260,000
Kamali, Shahin (Computer Science)	Discovery Grants Program	Investigating models, applications, and limitations of online algorithms	$140,000
Kindrachuk, Kenneth (Medical Microbiology and Infectious Diseases)	Discovery Grants Program	Investigation of kinase-mediated cell signaling pathway modulation at the vector-pathogen-livestock interface in vector-borne livestock diseases	$185,000
Koksel Ustundag, Havva (Food and Human Nutritional Sciences)	Discovery Grants Program	Understanding the mechanisms associated with quality creation in protein-rich plant-based aerated food materials during processing	$140,000
Li, Genyi (Plant Science)	Discovery Grants Program	Gene identification and characterization for oil content in canola	$145,000
Major, Arkadij (Electrical and Computer Engineering)	Discovery Grants Program	Towards high power, high repetition rate, broadband coherent light sources: Development and applications	$170,000
Mandal, Saumendranat (Statistics)	Discovery Grants Program	Optimal experimental designs and response-adaptive designs	$115,000
Mann, Daniel (Biosystems Engineering)	Discovery Grants Program	Remote supervision of autonomous agricultural machines	$135,000

Marotta, Jonathan (Psychology)	Discovery Grants Program	Eye-hand coordination: Exploring how and when perception and action interact	$125,000
Martsynyuk, Yuliya (Statistics)	Discovery Grants Program	Nonparametric change-point analysis: Invariance principles for multivariate student processes: Asymptotic theory in linear errors-in-variables models with data possibly having infinite variances	$85,000
Marzban, Hassan (Human Anatomy and Cell Science)	Discovery Grants Program	Early development of the cerebellar circuits	$140,000
McLeod, Robert D (Electrical and Computer Engineering)	Discovery Grants Program	A smartphone framework for mild cognitive impairment assessment	$110,000
McManus, Kirk (Biochemistry and Medical Genetics)	Discovery Grants Program	Identifying and functionally characterizing the molecular determinants chromosome stability	$220,000
Mojabi, Puyan (Electrical and Computer Engineering)	Discovery Grants Program	Advancing electromagnetic inversion for characterization and design	$130,000
Muthukumarana, Saman (Statistics)	Discovery Grants Program	Bayesian methods, computation, model selection and goodness of fit complex data	$75,000
Oliver, Derek (Electrical and Computer Engineering)	Discovery Grants Program	P-N and P-i-N junction silicon microwire arrays for solar energy conversion	$110,000
Oresnik, Ivan (Microbiology)	Discovery Grants Program	Genetic, biochemical, and physiological characterization of the plant symbionts *Sinorhizobium meliloti* and *Rhizobium leguminosarum*	$260,000
Ormiston, Scott (Mechanical and Manufacturing Engineering)	Discovery Grants Program	Development of advanced numerical models for two-phase heat and mass transfer processes in energy systems	$105,000
Portet, Stephanie (Mathematics)	Discovery Grants Program	Intermediate filaments: timescales, intracellular transport and aggregation phenomena	$140,000
Prehna, Gerd (Microbiology)	Discovery Grants Program	Functional versatility and host adaptation of the type VI secretion system	$185,000

Rajapakse, Athula (Electrical and Computer Engineering)	Discovery Grants Program	Protection of power systems with high penetration of renewable energy generation	$155,000
Rysgaard, Soren (Centre for Earth Observation Science)	Discovery Grants Program	The interactions between sea ice, ocean biogeochemistry and ecosystem function	$460,000
Scanlon, Martin (Food and Human Nutritional Sciences)	Discovery Grants Program	Process effects on the constitutive properties of soft aerated food materials	$130,000
Schweizer, Frank (Chemistry)	Discovery Grants Program	Bioorganic chemistry of polybasic amphiphiles (PAs): Compound accumulation in Gram-negative bacteria	$290,000
Sepehri, Nariman (Mechanical and Manufacturing Engineering)	Discovery Accelerator Supplements	High performance, reliable and efficient fluid power systems: challenges in controls, diagnosis and design	$120,000
Sepehri, Nariman (Mechanical and Manufacturing Engineering)	Discovery Grants Program	High performance, reliable and efficient fluid power systems: challenges in controls, diagnosis and design	$210,000
Shalaby, Ahmed (Civil Engineering)	Discovery Grants Program	Calibration and validation of mechanistic-empirical performance models for pavement design and remaining service life analysis	$130,000
Sharma, Kumar (Physics and Astronomy)	Subatomic physics - Project	Precision measurements with trapped radioactive ions using the Canadian Penning Trap Mass spectrometer and associated ion traps at the Argonne National Laboratory	$420,000
Sherif, Sherif (Electrical and Computer Engineering)	Discovery Grants Program	Sparse integrated computational optical imaging systems	$110,000
Stamps, Robert (Physics and Astronomy)	Discovery Grants Program	New paradigms for designer materials	$210,000
Stasolla, Claudio (Plant Science)	Discovery Grants Program	Regulation of in vitro morphogenesis	$200,000
Stetefeld, Joerg (Chemistry)	Discovery Grants Program	Structure-Property relationship of S-layer protein assemblies	$185,000
Stetefeld, Joerg (Chemistry)	Research tools & instruments (RTI)	QELS for in-depth protein and protein-complex characterization	$43,671

Telichev, Igor (Mechanical and Manufacturing Engineering)	Discovery Grants Program	Novel orbital debris protection of spacecraft	$120,000
Tenuta, Mario (Soil Science)	Discovery Grants Program	Can cover crops reduce nitrous oxide emissions from agricultural soils	$225,000
Treberg, Jason (Biological Sciences)	Discovery Grants Program	The role of mitochondria in mediating or moderating disturbances in oxidative metabolism	$165,000
Treberg, Jason (Biological Sciences)	Research tools & instruments (RTI)	Combined high-resolution respirometry and fluorometry	$63,374
Uzonna, Jude (Immunology)	Discovery Grants Program	Molecular mechanisms underlying the regulation of inflammatory cytokines in Macrophages	$185,000
Van Lierop, Johan (Physics and Astronomy)	Discovery Grants Program	Unravelling nanoscale ordering by investigating the emerging pathways between electronic structure and magnetism	$160,000
Wang, Xikui (Statistics)	Discovery Grants Program	Models and methods of statistical dependence with applications in clinical trials and risk management	$75,000
Weihrauch, Dirk (Biological Sciences)	Discovery Grants Program	Acid-base regulation and ammonia excretion in aquatic invertebrates with considerations of future environmental changes: Characterization of novel transporters and mechanisms.	$165,000
Yurkov, Vladimir (Microbiology)	Discovery Grants Program	Microbial aerobic anoxygenic photosynthesis and heavy metal(loid) transformations	$140,000

- Fifty-four research projects received a total of $3,671,719 in funding from multiple sponsors. Those projects receiving more than $25,000 are:

PI	Sponsor	Title	Awarded
Azad, Meghan (Pediatrics and Child Health)	Canadian Lung Association	The role of human milk oligosaccharides in the developmental origins of lung function and asthma	$45,000
Bassuoni, Mohamed (Civil Engineering)	City of Winnipeg	Use of fly ash in concrete pavements	$36,000

Birouk, Madjid (Mechanical and Manufacturing Engineering)	NSERC CRD	Optimization of the combustion process of heatmaster grate firing biomass furnace: Computational analysis	$60,000
Cai, Jun (Electrical and Computer Engineering)	NSERC CRD	Development of a portable, continuous and real-time muscle metabolism monitoring system based on near-infrared spectroscopy analysis and mobile edge computing	$86,873
Chelikani, V.G.B. Prashen (Oral Biology)	CIHR Project Grant	Role of taste signaling and host-microbial interactions on caries risk in young children	$885,870
Fowke, Keith (Medical Microbiology and Infectious Diseases)	Laval University	Development of a safe, effective and clinically acceptable VSV-based HIV vaccine	$60,000
Garland, Allan (Internal Medicine)	Research Manitoba	BABEL (Better targeting, better outcomes for frail elderly patients)	$179,903
Harder, Nicole (Nursing)	Health Sciences Centre Foundation	Psychologically safe debriefing to reduce psychological distress after palliative/end-of-life simulation-based experiential learning	$55,784
Hingwala, Jay (Internal Medicine)	Health Sciences Centre	Peritoneal dialysis catheters for the treatment of refractory ascites management: A randomized un-blinded pilot study to evaluate the outcomes of renal dysfunction	$30,000
Ho, Ngai Man (Carl) (Electrical and Computer Engineering)	NSERC CRD	Modern power semiconductor characterization, modelling and loss estimation in EMTP-Type simulators	$167,844
Hombach-Klonisch, Sabine (Human Anatomy and Cell Science)	Cancer Research Society, Inc.	The unfolded protein response (UPR) in early brain metastasis	$60,000
Hombach-Klonisch, Sabine (Human Anatomy and Cell Science)	CIHR	The unfolded protein response (UPR) in early brain metastasis	$60,000
House, James (Food and Human Nutritional Sciences)	NSERC CRD	Defining the optimal omega-3 fatty acid intake for pullets and laying hens to support health and productivity	$186,958

Jackson, Michael F. (Pharmacology and Therapeutics)	Alzheimer Society of Canada	Identifying cell signaling cascades that direct microglial activation outcomes in AD	$150,000
Jeffrey, Ian (Electrical and Computer Engineering)	NSERC Engage	Automated processing of remote sensing satellite imagery using machine learning	$25,000
Jones, Peter (Food and Human Nutritional Sciences)	NSERC Engage	Extraction, development and optimization of a lipid-soluble, plant-based pigment for cosmetic use	$25,000
Kauppinen, Tiina (Pharmacology and Therapeutics)	Children's Hospital Research Institute of Manitoba (CHRIM)	The effects of gestational diabetes induced neuroinflammation on offspring's metabolic health	$59,540
Kazem Moussavi, Zahra (Electrical and Computer Engineering)	CIHR Project Grant	Acoustical device for obstructive sleep apnea severity prediction during wakefulness	$367,200
Krokhine, Oleg (Internal Medicine)	NSERC CRD	Enhancing quantitative proteomics through the accurate prediction of retention time of peptides labeled with tandem mass tags	$234,780
Kumar, Ayush (Microbiology)	Mitacs Inc. Accelerate Internship	Biological evaluation of antimicrobial materials	$45,000
Lorway, Robert (Centre for Global Public Health (CGPH))	CIHR Doctoral Research Award	Marginalizing migrants: Exploring the precarity of migrant health in prairie Canada	$105,000
Oleszkiewicz, Jan (Civil Engineering)	NSERC CRD	Optimization of nitrogen removal in moving bed biofilm reactor treating cold lagoon effluent	$81,522
Ormiston, Scott (Mechanical and Manufacturing Engineering)	NSERC Engage	CFD model of a compact supply air fan unit	$25,000
Pelka, Peter (Microbiology)	Cancer Research Society, Inc.	The role of Nek9 in cellular transformation and regulation of p53 target gene expression	$120,000
Rajapakse, Athula (Electrical and Computer Engineering)	Mitacs Inc. Accelerate Internship	Development of improved power quality detection methods suitable for modern applications	$30,000
Renner, Eberhard (Internal Medicine)	Manitoba Medical Service Foundation	Improving chemotherapy decision making for older patients with cancer	$150,000

Scanlon, Martin (Food and Human Nutritional Sciences)	NSERC Engage	Systematic examination of formulation effects on product shelf-life Italian traditional macaroons	$25,000
Shafai, Lotfollah (Electrical and Computer Engineering)	Mitacs Inc. Accelerate Internship	Ultra lower power wireless sensor node for health monitoring	$45,000
Sibley, Kathryn (Community Health Sciences)	CIHR Doctoral Research Award	Integrated knowledge translation in child health: Advancing evidence and contributing to pediatric readiness of Canada's emergency departments	$105,000
't Jong, Geert (Pediatrics and Child Health)	Children's Hospital Foundation of Manitoba Inc.	Pharmacokinetics and pharmacodynamics of budesonide with intratracheal surfactant administration in preterm infants <29 weeks gestational age	$39,445
Tangri, Navdeep (Internal Medicine)	Canadian Frailty Network	Frailty predicts early death or functional decline after dialysis in patients with Chronic Kidney Disease	$100,000
Van Lierop, Johan (Physics and Astronomy)	NSERC Engage	Identification of iron oxide nanoparticle size and shape for the most effective anti-microbial/anti-biofilm activity	$25,000

ADMINISTRATIVE MATTERS

- From September 24 to 28, the Office of Sustainability with student Sustainability Ambassadors' hosted events around campus to gather statements from students, staff and faculty on what world they would like to see in 2030. Throughout the week, 150+ comments were collected from the campus community and this input will be referenced in the renewal of the U of M's Sustainability Strategy. More information is found here: http://news.umanitoba.ca/sustainability-is-top-of-mind-for-many-students-staff-and-faculty-at-the-u-of-m/

- On September 24th, 2018, Bannatyne Campus was designated as a Fair Trade Campus, the first campus in Manitoba to achieve this recognition. The Fair Trade designation was a collaborative effort between the Office of Sustainability, Aramark and Dining Services. The Bannatyne Campus received the designation for its commitment to provide fair trade products, such as coffee, tea and chocolate and efforts to educate students and staff about the environmental and social benefits of selecting these products. More information is found here: http://news.umanitoba.ca/bannatyne-campus-to-receive-fair-trade-designation/

- Contracts for improvements to power lines that experienced failure resulting in power outages last spring are out for tender and are slated for completion in 2018 and 2019.

- MB Hydro Reservicing for the Fort Garry Substation replacement is underway with a target in-service date in 2020.

- The Joyce Fromson pool mechanical room was flooded on Oct 16, 2018. The flood resulted in five feet of water in the mechanical room and damaged several critical pieces of pool operating equipment. Operations and Maintenance has investigated the damage and is working through the implementation of the necessary repairs and restoration. The target is to complete the work by the end of December to meet the January 2019 booking commitments.

- Following the introduction of two-way transit service on Dafoe Road, efforts are underway to determine how this change has affected pedestrian and vehicle activity, and how to increase pedestrian-and-transit-friendly character on this main campus spine. Observations and counts of pedestrians and vehicles were undertaken, and a plan for enhanced crosswalks and pedestrian infrastructure is being pursued.

- The first round of the later tuition fee deadline, in combination with the newly renovated Cashiers Office, has resulted in improvements for students and administration. Student questions/issues about class additions/drops, Health & Dental opt-outs, sponsorships, and other pending funding were largely resolved prior to the extended deadline and allowed for easier, faster payment processing. Feedback from students and other areas of administration relayed a positive impact on student experience.

- The dining services renovation at Bannatyne Campus has started with completion planned for early 2019.

- UM Management Fundamentals Program (UMMFP), the newest addition to our leadership development programs, offers a foundation in the skills and knowledge areas critical for our managers and supervisors and includes a wide range of topics such as communication skills, supporting a respectful workplace, human resource practices such as conducting annual reviews, and different ways to lead people and teams.

- Learning and Organizational Development (LOD) is launching a new monthly podcast, LODCast to bring learning directly to your desk. LOD facilitators will explore topics related to best practices in learning and organizational development.

- Following the Board of Governors' September approval of the HRIS upgrade, a contract was awarded to the vendor (DLGL) for the upgrade of VIP, the current human resource information system. Work has already commenced on the first phase, which includes the refresh and upgrade of the system's core, and a review of key business processes is also underway.

- The Office of Fair Practices and Legal Affairs is working closely with the Office of Research Services on the Research Improvement Through Harmonization in Manitoba initiative, providing advice and opinions related to policy analysis and issues related to the transition of the Research Ethics Board to Research Manitoba.

- The University's Access & Privacy Officer, has been invited to speak at the Annual Meeting of the Federal, Provincial and Territorial Information and Privacy Commissioners in Canada. The talk is about The National Centre for Truth and Reconciliation (NCTR) and the important access and privacy considerations related to the archival collection of records held by the NCTR.

EXTERNAL MATTERS

- The University of Manitoba is on track to meet its 2018/2019 campaign benchmark of $45,000,000. The last Front and Centre Campaign total, announced on May 29, 2018, was $466,495,719.

Significant gifts and alumni activities in the last reporting period include:

- Sixty-six students were celebrated as the first recipients of the inaugural Price Scholarships in Engineering on October 25. These awards are a result of the latest gift of $1 million from Gerry Price, BSc(ME)/1970, MSc/1972, LLD/2017 and Barbara Price, BHEc/1969, CertEd/1970.
- Robert G. Puchniak, BComm/1968, BComm(Hons)/1969, Margaret Puchniak, BA/1968, and family have made a gift of $280,000 in support of the Biomedical Engineering Alzheimer's Program.
- The Associates of the Asper School of Business continue to support students and academic programs with a commitment of $276,000.
- André Desmarais, O.C., O.Q and Paul Desmarais Jr., O.C., O.Q have each given $250,000 towards the Institute for Leadership Development, the new teaching and research institute focused on developing leaders in Manitoba.
- The estate of the late Bernice R. Barker, BSc/1943, has generously designated a further $200,000 to the William and Ruth Barker Library Fund and the William and Ruth Barker Science Awards.
- Members of the Department of Anesthesia and Perioperative Medicine have made a gift of $169,574 to establish a Professorship in Anesthesiology, Perioperative and Pain Medicine.
- A gift of **$**156,000 from the late David A. Goodwin, BSC/1955, MD/1959, BSc(Med)/1959, established the David and Sandra Goodwin Fund to support students in the Max Rady College of Medicine.
- Gerald E. Mainman, BSc(ME)/1958 made a gift of $101,101 CAD towards the Stanley Pauley Engineering Building.
- Harvey Diamond, BA/1970, LLB/1973 donated $100,000 to create a prize in Law in honour of the late Honourable Madam Justice Robyn Moglove Diamond, LLB/1975. Friends and family donated an additional $16,500 to the fund in her memory.
- The Polish Fraternal Aid Society of St. John Cantius has renewed their commitment to support students studying Polish history, language and culture and the Summer Abroad Program with an endowed gift of $100,000**.**

- Fall convocation ceremonies were held October 16-18 at the Fort Garry Campus and October 26 on the Bannatyne Campus. Honorary degrees were awarded to Esther Suen Chi Lan, BComm(Hons)/1985, LLD/2018, Ovide William Mercredi, LLB/1977, LLD/2018, and Gregory Hanson, BComm(Hons)/1976, LLD/2018.

- On October 30th President Barnard and the Director of Government Relations met with the Honourable Colleen Mayer, Minister of Crown Services. This was an introductory meeting with the Minister, who was newly appointed to Cabinet in August.

- On October 22nd and 23rd President Barnard, Vice-President (External) John Kearsey, Dr. James Blanchard and the Director of Government Relations were in Ottawa to meet with senior government officials, to advance UM's research and strategic priorities.

- On October 18th President Barnard presented UM's federal budget priorities to the House of Commons Standing Committee on Finance.

- On October 16th Dr. Keith Fowke, from the Rady Faculty for Health Sciences appeared before the House of Commons Standing Committee on Health to present their study on increasing benefits to the public resulting from federally funded health research.

- The first phase of the branding initiative wrapped up in mid-October after the completion of 19 brand focus group sessions. A consolidated summary of findings will be developed and will inform the development of the foundational brand strategy, which is anticipated by January 2019.

- The Next Generation Web Experience project will progress through five project stages. The first stage – Discovery – has been completed and the project has progressed into the second stage – Design and Development. In this stage, technology project team members are focused on developing a technical platform and defining the roles and responsibilities, workflows and user guidelines for the Web Content Management System.

- The DAA Celebration of Excellence taking place on May 8, 2019. Nominations for the 2019 Distinguished Alumni Awards have closed and the selection committee will begin the challenging process of selecting this year's recipients.

  The 2019 DAA selection panel members include:
  - Dr. Harvey Secter – Chair
  - Mary Jane Loustel – Deputy Chair
  - Dr. Susan Lewis – Member
  - Dr. Greg Hanson – Member
  - Dr. Wayne Anderson – Member
  - Dr. Mike Nesbitt – Member
  - Bruce Miller – Member
  - Scott Roehl – Member
  - Dr. Shayne Reitmeier – Member
  - Dawn Nedohin-Macek - Member
  - John Kearsey (non-voting)
  - Tracy Bowman (non-voting)

- Hartley Richardson will be presented the University of Manitoba's International Distinguished Entrepreneur Award (IDEA) on May 23, 2019. This is the third time in the event's 36-year history, where a Manitoba entrepreneur will be the recipient of an IDEA award.

  In celebration of Richardson and the transformative impact he has had as a business and community leader, Arni Thorsteinson and Sandy Riley are launching the *Hartley T. Richardson Student Support Fund.* A $2 million goal has been set by Thorsteinson and Riley to honour their friend and his two key priorities: youth and education.