

RESEARCH SUPPORT FUND INSTITUTIONAL PERFORMANCE OBJECTIVES 2019-20

Eligible Expenditure Category	Institutional Performance Objective	Indicator	Output	Targeted Outcomes	Outcome Reported at end of the year
Research Facilities	Additional renewal and upgrading of building infrastructure to meet research requirements of aquatic animal research including mechanical and building control systems. This investment is crucial to meet and maintain compliance with CCAC requirements.	Achieving compliance with research animal care guidelines	Renewal and upgrading of Aquatic Research Lab controls and building automation, mechanical and electrical upgrades	Renewal of head end base building infrastructure for Aquatics Research Lab. Enhanced reliability of research facility infrastructure, as well as enhanced alarming and sensor suites to ensure adequate conditions for aquatic specimens	The mechanical and electrical infrastructure and building controls for aquatics lab were renewed and upgraded which include replacing old and obsolete equipment with new, more robust equipment. Enhanced systems will ensure reliable aquatic environment for specimens mitigating future risk of system failure and impact to research and specimens.
Research Resources	Reliable, cost-effective access to current research resources for faculty and staff. These resources include access to subscription-based databases and electronic journals essential to modern university-based research communities.	Number of full text downloads for Elsevier Direct Package [part of Canadian Research Knowledge Network (CRKN) resources] will be measured.	RSF fund will be used primarily for CKRN journal subscription.	We estimate there will be 1.8 million full texts download of Elsevier Direct Package materials.	Approximate 1.8 million full-text downloads for 2019-20. Funds are being well used to meet researcher demand for access to the published research literature contained within the Elsevier Science Direct package.
Management and administration of an institution's research enterprise	Provide research administrative support for processing of new grants and awards as well as amendments.	2,400 new grants and awards setup, 2,800 amendments processed for 2019-20.	Provide necessary administrative support to UAlberta's research community and federal granting agencies.		2,600 new grants and awards setup, 3,000 amendments processed for 2019-20.
Regulatory requirements and accreditation	Much of UAlberta's research produces biological, chemical or radioactive waste; waste that must be disposed via well established and defined processes. The Environment Health and Safety (EHS) provide staff and facilities to ensure that waste products are disposed in approved processes.	Volume of hazardous waste processed: 88,000 liters of liquid waste and 12,500 kgs of solid waste.	Hazardous waste material stored in research environments is maintained at reasonable levels and is collected within two weeks of collection request.		Hazardous wastes generated in research settings was successfully processed by EHS in 2019/20. The quantities processed by type is as follows: Biological Waste - 23,602 kg Aqueous Waste - 64,900 litres Solvent waste - 40,000 litres Solid Non-regulated waste – 4,520 kg
	Continual development of an integrated Environment Health and Safety Management System of processes and procedures in research settings that efficiently meet regulatory requirements.	Improved compliance with regulatory requirements as measured by laboratory inspections, incident investigations and regulator's audits.	Continual adoption of new programs developed as part of the EHS Management System.		EHS continued the development and implementation of the Management System. This included helping ensure compliance with applicable regulations. A fundamental component of the Management System is a hazard control process and a total of 746 hazard assessments were logged in the on-line system. Training is another key component and 2,409 supervisors completed the supervisor training course and 1,476 individuals completed a new course - "working safety at the UoA"

	<p>Technical staff/support for preclinical research activities of research laboratories across UAlberta to ensure that Canadian Council on Animal Care (CCAC) animal care and welfare standards are met or exceeded and that UAlberta retains a current CCAC Certificate of Good Animal Practice.</p>	<p>Preclinical research services to 140 researchers from seven faculties. Currently, there are 275 active Animal Use Protocols. This includes animal husbandry and care, technical services and training services for 339 research staff. Continue to maintain CCAC accreditation and a Certificate of Good Animal Practice necessary for UAlberta researchers to access Tri-Council funding.</p>	<p>Portion of Federal RSF allocated to preclinical research support staff and resources.</p>	<p>Technical staff/support for preclinical research activities of research laboratories across UAlberta to ensure that Canadian Council on Animal Care (CCAC) animal care and welfare standards are met or exceeded and that UAlberta retains a current CCAC Certificate of Good Animal Practice.</p>	<p>Training is one of the best safety controls and ensuring that workers are competent in their tasks is a regulatory requirement. The university has embraced safety training in an e-learning environment. For the period from April 1, 2019 to March 2020, there were a total of 16,259 course completions in a total of 37 courses.</p>
<p>Intellectual property</p>	<p>Accelerate translation of new discoveries into marketable products by Identifying, protecting, and facilitating development of new technologies emanating from University of Alberta inventors. Build connections between UAlberta inventors, industry and funding agencies to facilitate the development and transfer of technologies preferably through spin-off company creation. Operate the region's largest technology accelerator, to build stronger linkages between the University and the entrepreneurial investment community.</p>	<p># New inventions created in fiscal year 2019-20 # New patents filed in fiscal year 2019-20 # Spin-offs created in fiscal year 2019-20 Non-dilutive \$\$ raised by UA researchers in fiscal year 2019-20 Growth in employment and revenue by UA clients in fiscal year 2019-20 Access to investment by UA clients in fiscal year 2019-20 Survival rates of UA clients"</p>	<p>\$1,500,000 invested in existing technology accelerator</p>	<p>Accelerate translation of new discoveries into marketable products by Identifying, protecting, and facilitating development of new technologies emanating from University of Alberta inventors. Build connections between UAlberta inventors, industry and funding agencies to facilitate the development and transfer of technologies preferably through spin-off company creation. Operate the region's largest technology accelerator, to build stronger linkages between the University and the entrepreneurial investment community.</p>	<p>Target Exceeded</p> <ul style="list-style-type: none"> • \$31.6M investment raised by UA spin-offs • \$1.5M non-dilutive raised by UA researchers <p>Target Achieved</p> <ul style="list-style-type: none"> • One-year survival rate of UA client firms >90% <p>Above 75% Target</p> <ul style="list-style-type: none"> • 78 new inventions reported • 39 new patents filed <p>Above 50% Target</p> <ul style="list-style-type: none"> • 3 spin-offs created