



## RESEARCH SUPPORT FUND

### INSTITUTIONAL PERFORMANCE OBJECTIVES 2020-2021

In 2020-21, the University of Alberta received RSF funding of \$ 17,474,998 and allocated the funding to the following categories:

Eligible Expenditure Category	Output	Institutional Performance Objective	Indicator	Targeted Outcomes	Outcome Reported at end of the year
Research Facilities	Projected: 13.9% of RSF funding invested in support of Research Facilities maintenance and upgrades	Renewal of Biological Sciences Z-023 Aquatics Lab and upgrading of existing mechanical and electrical infrastructure for aquatic research labs. Crucial to maintain CCAC requirements.	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.	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 suites to ensure adequate conditions for aquatic specimens	<b>Actual 18.7% of RSF funding invested:</b>  <b>Achieved:</b> Completed renewal and upgrading of Aquatic Research Lab controls and building automation, mechanical and electrical upgrades.
		Upgrade of existing emergency generator to provide stable and reliable power and backup for research computing and data in the General Services Building including upgrades to existing air conditioning units.	Upgraded emergency generator capacity to protect research computing data and uninterrupted service to research servers.	Upgrade of existing emergency generator to include for research computing servers and equipment to ensure uptime and reliable backup for research data.	Completed upgraded emergency generator capacity to help ensure reliable and stable backup for research computing data and activities.
Research Resources	Projected: 16.4% of RSF funding invested in electronic subscription-based database for 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.	We estimate there will be 1.5 million full texts download of Elsevier Direct Package materials.	<b>Actual 16.3% of RSF funding invested:</b>  <b>Achieved:</b> 1,545,281 total item requests (controlled access and Open Access) from Elsevier Direct Package materials.
Management and administration of an institution's research enterprise	Projected: 37.2% of RSF funding invested in providing administrative support to UAlberta's research community and federal granting agencies	Provide research administrative support for processing of new grants and awards as well as amendments.	# of new grants and awards setup # of amendments processed for 2020-21.	2,400 new grants and awards setup 2,800 amendments	<b>Actual 36.5% of RSF funding invested:</b>  <b>Achieved:</b> 2,509 new grants and awards setup and 5,043 amendments processed in the year. Amendments exceeded expectations due to COVID supplements.

Regulatory requirements and accreditation	Projected: 26.8% of RSF funding invested to maintain regulatory requirements and accreditation	Technical staff and support for Health Sciences Laboratory Animal Services (HSLAS) preclinical research activities of research laboratories across the University of Alberta campus. This ensures that all the animal care and welfare standards set out by the Canadian Council on Animal Care (CCAC) are met or exceeded, and that the University of Alberta retains a current Certificate of Good Animal Practice from the CCAC.	Provide preclinical research services to researchers (approximately 140 researchers from 7 Faculties). These services include animal husbandry and care, technical services, and training services for researchers and associated staff. Continue to maintain CCAC accreditation and a Certificate of Good Animal Practice that is necessary for University of Alberta researchers to access Tri-Council grant funding.	1. Monitor number of researchers and active animal use protocols receiving preclinical research support services: At any time, there are approximately 140 researchers using preclinical research services and approximately 280 active Animal Use Protocols.	<b>Actual 22.8% of RSF funding invested:</b>  <b>Achieved:</b> 1. For 2020-21, 120 Principal Investigators and 380 research staff utilized HSLAS facilities and preclinical research services. For 2020-21, there were 260 Animal Use Protocols (AUPs) approved that included 27 new AUPs and 233 renewed AUPs, and 199 amendments to AUPs.  2. Full CCAC GAP certification was received on April 9, 2021, with the next CCAC full assessment in 2023.  3. There were 5 new researchers using HSLAS services for the period April 1, 2020 to March 31, 2021.
				2. Maintenance of CCAC accreditation and University of Alberta research community access to Tri-Council Funding.	
				3. New faculty recruitment of researchers who receive preclinical support services through HSLAS for each quarter are tracked and recorded.	
Intellectual property	Projected: 5.7% of RSF Funding invested in patent protection and commercial activities	Accelerate translation of new discoveries into marketable products by Identifying, protecting, and facilitating development of new technologies and companies where applicable, emanating from UofA inventors.  Build connections between UofA inventors, industry and funding agencies to facilitate the development and transfer of technologies through licensing opportunities and/or spin-off company creation.	# Inventions reported in fiscal year 2020-21	# New inventions created in fiscal year 2020-21 = 100	<b>Actual 5.7% of RSF funding invested:</b>  <b>Achieved:</b>  # New inventions created in fiscal year 2020-21 = 83  # New patents filed in fiscal year 2020-21 = 72  # New patents granted in fiscal year 2020-21 = 19 new US Patents  # Spin-offs created in fiscal year 2020-21 = 6
			# Patents filed in fiscal year 2020-21	# New patents filed in fiscal year 2020-21 = 50	
			# Patents granted in fiscal 2020-21	# Spin-offs created in fiscal year 2020-21 = 5	
			# Spin-offs created in fiscal year 2020-21	Timely high-quality technology transfer services	
			Non-dilutive \$\$ raised by UA researchers in fiscal year 2020-21 to support product/company creation (e.g., NSERC)	Greater use of digital technologies to streamline processes (e.g., ROI on-line)	
			Access to investment by UA clients in fiscal year 2020-21	Greater integration with RSO to deliver efficient technology transfer services at a cost savings for the institution	
			UA client satisfaction # and quality of educational contacts/experiences with inventors/faculty	Greater integration with the School of Business and their MBA program to create training internships/experiences for MBA Students and support delivery of technology transfer services	
				Increased knowledge of UA's IP/commercial processes by inventors/faculty/students	