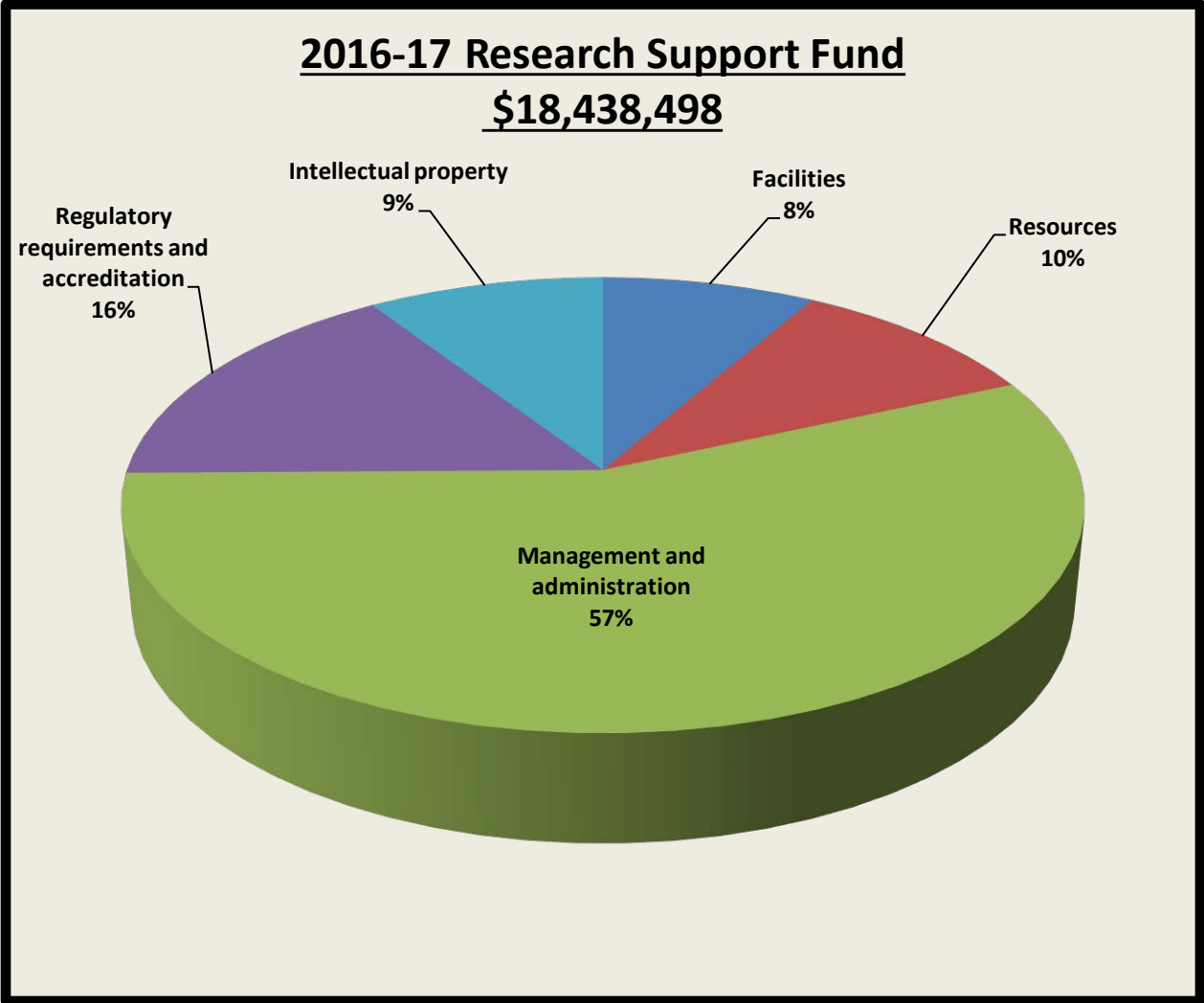


# UALBERTA'S 2016/2017 FEDERAL RESEARCH SUPPORT FUND REPORT

In 2016/17, the University of Alberta's Research Support Fund grant was \$18,438,498 and it was allocated to the following five categories:

1. Research facilities	\$ 1,533,116
2. Research resources	\$ 1,844,894
3. Management and administration	\$ 10,413,588
4. Regulatory requirements and accreditation	\$ 2,945,894
5. Intellectual property	\$ 1,701,036



### ***Research Facilities***

Alberta Health Services used its funding to replace, repair and maintain research equipment at the Cross Cancer Institute (CCI). A unique strength of the CCI is its internationally-recognized research in radiation biology, radiation therapy, DNA damage response and DNA repair. The Research Support Fund allowed Alberta Health Services to undertake preventive maintenance and service on the Cesium-137 sealed source irradiator, a piece of equipment that is used by many researchers at the CCI, as well as researchers on campus. Alberta Health Services was able to replace a high-speed centrifuge that could no longer be used because of safety issues. This allowed researchers at the CCI to carry out the wide range of experiments that required this rotor. Everyone doing tissue culture at the CCI benefited from replacement of the pipette plunger as this piece of equipment is essential for plugging the reusable glass pipettes used for tissue culture.

### ***Research Resources***

The 2016-17 Research Support Fund funding was used for ongoing participation in the Canadian Research Knowledge Network (CRKN) and ongoing renewals of licenses for databases and electronic research journals. Researchers continuously refer to these journals which are essential at any research-intensive institution. The journals represent the current thought and discovery relating to a variety of scientific research. Without the Research Support Fund, the cost of many of these journal acquisitions would be prohibitive.

### ***Management and Administration Research***

Human Resource plays a key role in the retention, attraction and development of the University of Alberta outstanding workforce. Human Resources provides innovative programs and services related to recruitment support, job performance management, leadership development and collective agreement negotiation and interpretation. Governed by its own collective agreements, trust/research appointments comprise approximately 30% of all appointments across campus. The Research Support Fund is used to support all Human Resource functions related to trust/research activities including advertising, immigration, relocation, appointment, payroll, labour relations, training, benefits and leave plans such as General and Long Term Disability. The expert advice provided by Human Resource staff is complex and multifaceted. Because the ratio of trust/research to operating funded positions is substantial, the Research Support Fund is essential to the delivery of Human Resource services across campus. Without these resources, it would be extremely difficult to keep the research community aware of and compliant with University policies and procedures and employment standards.

### ***Regulatory Requirements and Accreditation***

The Research Support Fund contributed to a strong research environment through the support it provided to the Department of Environment, Health and Safety (EHS). Research produces biological, chemical and radioactive waste; waste that must be disposed via well established and defined

processes. Vital to the research enterprise at the University of Alberta, EHS provides training and education opportunities, expert advice on all aspects of environment, health and safety matters, and comprehensive information from provincial and federal regulatory agencies to faculty, staff and students who undertake research. The unit undertakes a wide variety of audit and monitoring functions as well as ensuring the safe handling, and disposal of hazardous waste in research laboratories. In the last year, the University of Alberta processed 75,500 liters of liquid waste and 13,400 kg of solid waste. EHS provided staff and facilities to ensure that waste products were disposed appropriately and within approved processes. EHS staff provided expertise, timely responses and dedication to the University of Alberta research teams and ensured research staff received appropriate training and certification to complete their duties. In fiscal 2016-17, a total of 2,626 participants completed EHS e-learning courses from a list of 25 available courses.

### ***Intellectual Property***

TEC Edmonton, a joint venture with the City of Edmonton, is the commercialization agent for the University of Alberta and delivers business development and technology transfer services to companies and innovators in the greater Edmonton region. TEC's comprehensive programs help University of Alberta researchers become more successful: they get technologies to market faster, their businesses are more valuable, and they have a higher survival rate. One of the major ways that TEC provides benefits to the University of Alberta is to assist in procurement of research grants that have a commercial component and for which funders require business plan information.