

**Research Support Fund (RSF) Program
Concordia University Institutional Performance Outcomes
2020-2021**

RSF eligible expenditure category	Selected institutional performance objective for 2020-2021	Selected indicator	Selected output	Outcomes reported for 2020-2021
Research facilities	Develop, optimize and maintain research laboratory spaces and infrastructure to better meet research needs	Description of research laboratory spaces and infrastructure	Portion of the Research Support Fund grant invested in covering research laboratory spaces and infrastructure renovation and maintenance costs	<p><u>Description and value of investments made at Concordia University to develop, optimize and maintain research laboratory spaces and infrastructure in 2020-2021:</u></p> <p>The Research Support Fund grant funding was again essential in supporting various research spaces and infrastructure initiatives at Concordia University. Notable examples for 2020-2021 include the following:</p> <ul style="list-style-type: none"> - Replace damaged PMSM motor on the Electric Motor Drive Setup of the Power Lab, in the Department of Electrical and Computer Engineering of the Gina Cody School of Engineering and Computer Science (GCS); - Replace defective high voltage power supply on electrospinning equipment that is used for research on next generation materials development in the Department of Building, Civil and Environmental Engineering (BCEE) of the GCS; - Upgrade the hydraulic cylinder of the fatigue steel testing frame in the Hydraulics Laboratory of the BCEE Department of the GCS by installing an electrical panel, filter and pressure transducer. - Upgrade anaerobic digester with stirring and controlling system (ORP sensor, flowmeter, thermocouple), high security sensor of H₂S and easy drainage in the BCEE Department of the GCS; - Upgrade HVAC research laboratory in the BCEE Department of the GCS with wireless sensors and networked adapter to help conduct IoT-based operational data analytics and digitization research; - Maintenance costs for various shared research infrastructure in the Faculty of Arts and Science; - Salaries of research technicians and instrument specialists in various laboratories and research centres throughout the university; and - Energy, maintenance and cleaning costs for research spaces.

<p>Research resources</p>	<p>Support and maintain library resources for Concordia University researchers</p>	<p>Total investment in acquiring and maintaining library collections and resources for researchers</p>	<p>Portion of the Research Support Fund grant invested to cover the subscription and acquisition cost of electronic journals</p>	<p><u><i>Number of electronic journals accessed and number of articles accessed in 2020 in comparison to 2018 and 2019:</i></u></p> <p>The Concordia University Libraries have been providing yearly data to CARL (Canadian Association of Research Libraries) on successfully completed full-text article requests from the major packages of library resources provided by the CKRN (Canadian Research Knowledge Network – a consortium Concordia participates in with support from RSF funding).</p> <p>For the 2018 calendar year, the Concordia University Libraries reported 1,789,044 successfully completed full-text article requests from the consortially-purchased major packages of library resources.</p> <p>For the 2019 calendar year, the Concordia University Libraries reported 1,675,517 successfully completed full-text article requests from the consortially-purchased major packages of library resources.</p> <p>For the 2020 calendar year, the Concordia University Libraries reported 2,301,930 successfully completed full-text article requests from the consortially-purchased major packages of library resources. This is a significantly higher total than in previous years, possibly fueled in part by the COVID-19 pandemic context.</p>
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<p>Management and administration of the institution's research enterprise</p>	<p>Continue to increase the offer of tri-agency related grant workshops and seminars offered to Concordia University Faculty members, notably through online means</p>	<p>Number of tri-agency related workshops and seminars offered to Faculty members</p>	<p>Portion of the Research Support Fund grant invested in the salaries of Advisors, Research Development and of the Director, Research Development in the Office of Research</p>	<p><u>Number of tri-agency related workshops and seminars (in person or online) offered to Concordia University Faculty members in 2020-2021 in comparison to 2018-2019 and 2019-2020:</u></p> <p>In 2018-2019, the Office of Research had offered nine (9) tri-agency related workshops and seminars. In 2019-2020, the Office of Research had increased the offer to eleven (11) tri-agency related workshops and seminars.</p> <p>In 2020-2021, the Office of Research offered ten (10) tri-agency related workshops and seminars. These workshops and seminars covered such important and timely topics as:</p> <ul style="list-style-type: none"> - SSHRC Insight Grants and Insight Development Grants; - The CIHR Project Grants program; - NSERC Alliance Grants, Discovery Grants and Research Tools and Instruments programs; - Equity, Diversity and Inclusion (EDI); and - Research Data Management and Grant Writing Skills. <p><u>Number and total value of external research grants applied for by Concordia faculty members as primary investigators in 2020-2021 in comparison to 2018-2019 and 2019-2020:</u></p> <p>In 2018-2019, the Office of Research submitted 583 external grant applications with a Concordia faculty member as primary investigator, for a total requested amount of \$113,551,679.</p> <p>In 2019-2020, the Office of Research submitted 549 external grant applications with a Concordia faculty member as primary investigator, for a total requested amount of \$95,144,487.</p> <p>In 2020-2021, the Office of Research submitted 587 external grant applications with a Concordia faculty member as primary investigator, for a total requested amount of \$85,409,292.</p> <p>It is important to note that these numbers can fluctuate from year to year depending of the number of grants eligible for renewal in any given year. In addition, 2020-2021 was certainly an outlier as we saw special COVID-19 funding programs being established and applied for by our researchers while other grants were extended by one year, delaying applications to future years.</p>
	<p>Continue to provide pre- and post-award support services to Concordia University faculty members to support their research activities</p>	<p>Research facilitation and grant support services provided by the Office of the Vice-President, Research and Graduate Studies and the Faculties</p>	<p>Portion of the Research Support Fund grant invested in the salaries of staff at the Office of Research, Office of the Vice-President, Research and Graduate Studies, and Financial Services that are involved in pre- and post-award support for research grants</p>	

<p>Regulatory requirements and accreditation</p>	<p>Continue to provide human research ethics protocol review and approval services to Concordia University faculty members and graduate students</p>	<p>Reviews and approvals of ethics protocol applications</p>	<p>Portion of the Research Support Fund grant invested in the salaries of staff at the Office of Research that are involved in human research ethics and compliance activities</p>	<p><u>Number of ethics protocols reviewed in 2020-2021 in comparison to 2018-2019 and 2019-2020:</u></p> <p>In 2018-2019, a total of 390 new ethics protocols were opened (385 human research ethics protocols and 5 animal research ethics protocol). In 2019-2020, that total was reduced to 344 (341 human research ethics protocols and 3 animal research ethics protocols).</p> <p>In 2020-2021, a total of 364 new ethics protocols were opened (362 human research ethics protocols and 2 animal research ethics protocol).</p>
<p>Intellectual property and knowledge mobilization</p>	<p>Continue to increase the number of research contracts signed by the Office of Research (Research Partnerships and Innovation unit)</p>	<p>Number of signed research contracts</p>	<p>Portion of the Research Support Fund grant invested to support salaries in the Research Partnerships and Innovation unit of the Office of Research</p>	<p><u>Percentage increase of number of signed research contracts in 2020-2021 in comparison to 2018-2019 and 2019-2020:</u></p> <p>In 2018-2019, 359 research contracts (including monetary agreements, non-monetary agreements and agreements in support of grants) were signed.</p> <p>In 2019-2020, the total increased again, reaching 387 research contracts signed, an increase of 7.8% in comparison to 2018-2019.</p> <p>In 2020-2021, a total of 314 research contracts were signed. This is an important decrease (18.9%) that certainly has a lot to do with the COVID-19 pandemic context.</p>