

**University of Toronto – 2021-22 Incremental Projects Grant – Institutional Performance Objectives**

<b>Project</b>	<b>Priority Area</b>	<b>Investment of IPG Funds</b>	<b>Institutional Performance Objective</b>	<b>Performance Indicators</b>	<b>Target Outcomes</b>	<b>Reported Outcomes</b>
KPE: Goldring Lab Redesign	Facilities renewal, including deferred maintenance (Research Facilities)	Percentage of IPG grant invested in supporting this project: 13.7%	Increased research capacity	To allow for a more effective use of space by removing barriers created by inefficiencies	To complete target objectives in a timely manner without disruption to the research community	Target objectives achieved greatly increasing the research capacity of the 4 <sup>th</sup> floor laboratories.
FOM: Faculty of Medicine: Equity, Diversity and Inclusion Resources	Equity, diversity and faculty renewal (In the content of equity, diversity and inclusion)	Percentage of IPG grant invested in supporting this project: 4.6%	To develop EDI educational resources for researchers, faculty and leadership.	Development of resource tools to better incorporate EDI related policies, practices, values, and tools into research activities and projects.	To provide baseline EDI and anti-oppression training to all research faculty	Outcomes included support for two full time administrative staff members to facilitate and respond to questions, concerns, and consultation requests on equity related issues; relationship building between the Office of Inclusion and Diversity and leadership within the basic sciences and rehabilitation sciences departments; Diversity Dialogue events; expansion of the existing RASI program.
Li Ka Shing Knowledge Institute – 7 <sup>th</sup> Floor Laboratory Fit-Up	Facilities renewal, including deferred maintenance (Research Facilities)	Percentage of IPG grant invested in supporting this project: 1%	Renovation of the 7 <sup>th</sup> floor LKSK, upgrading approximately 1800 square feet of space to include wet bench floors, with open concept lab benches, shared equipment alcoves	Increased research capacity	Completion of renovations within fiscal	While this project is still in progress it is anticipated that the increased basic science capacity in close proximity to the existing Institute for Biomedical Engineering, Science and Technology (iBEST), will improve our scientists' connections with Engineers and Physicists, allowing us to more easily identify challenges and rapidly pilot, modify and introduce biomedical discoveries and inventions to improve health.

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Lunenfeld-Tanenbaum Research Institute: Renovations and Upgrades	Facilities renewal, including deferred maintenance (Research Facilities)	Percentage of IPG grant invested in supporting this project: 3.7%	Renewals to include AC units for procedure rooms including a Viral Tissue Culture room; replacement of aging condenser units for cold-rooms; upgrades to security; refurbishment of the washrooms; upgrades to data analysis areas in core facilities.	To provide basic maintenance and much needed renewal.	Improved workplace conditions and improved security on the research floors with the elevator lobby security doors.	Maintenance and renewals completed improving workplace conditions and improved security.
Lunenfeld-Tanenbaum Research Institute: Videoconferencing Upgrades	Information resources, including digital resources, open access and databases	Percentage of IPG grant invested in supporting this project: 0.2%	Installation of Neat Bar for video conferencing, along with Zoom licenses	Upgrade to videoconference technologies	Improved communications capabilities	Project objectives completed providing greater capacity and clarity with regards to communications capabilities.
Lunenfeld-Tanenbaum Research Institute: Freezer Upgrade	Facilities renewal, including deferred maintenance (Research Facilities)	Percentage of IPG grant invested in supporting this project: 2%	Replacement of aging freezers required for sample retention; biosafety; and water purification systems	Updated infrastructure to support the LTRI research groups.	Improved services for the research community along with cost savings due to more energy efficient equipment.	The objectives of the project were achieved, providing cost savings due to energy efficient freezers, updated biological safety cabinets and new water purification systems.
CAMH: Research Commercialization for Drug Discovery	Innovation and commercialization activities	Percentage of IPG grant invested in supporting this project: 1.5%	To provide increased support for effective IP protection and commercialization in the research area of drug discovery due to the pandemic	To enable the increased patent filing and prosecution efforts for patents related to drug discovery and therapeutics; increased consultation with patent counsel in guiding drug discovery related IP	Increased number of invention disclosures and patent applications received from our scientists	The objectives of the project were achieved enabling CAMH's Industry Partnerships and Technology Transfer office (IPTTO) to efficiently, and strategically protect CAMH's intellectual property (IP) in the area of drug discovery to maximize the translational potential of this critical research.

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CAMH: Electronic Research Administration (eRA) Platform Enhancement and New Module Build	Information resources, including digital resources, open access and databases	Percentage of IPG grant invested in supporting this project: 1.9%	Upgrade to electronic research administration (eRA) platform by enhancing existing modules and building new modules.	The upgrade and new build will enable CAMH Research to streamline and accelerate administrative processes.	Minimization of risk: Replacing paper-based processes to minimize missing data, validation/approval error, and inconsistencies within submissions.	While still in progress this project has already begun to mitigate risk, decreasing administrative burdens.
CAMH: Electronic Trainee Registration Forms	Information resources, including digital resources, open access and databases	Percentage of IPG grant invested in supporting this project: 0.2%	The development and implementation of an electronic registration form for research trainees.	Reduced administration and negative user experience	To complete project milestones within fiscal.	While still in progress, the form has generated positive feedback about overall user experience, suggesting a reduction in workload related to answering e-mails, and reduction in time spent on data entry and report preparation when it is formally launched.
Sunnybrook: Enhancements to Pre-Clinical Research Facilities	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 1.5%	Enhancements and improvements to the pre-clinical animal facility employed in drug/therapeutic discovery programs.	Expansion and maintenance of this facility to aid in the development of precision medicine therapies.	Complete renovation by the end of fiscal	Project objectives were achieved with the addition of a third new rat rack that meets the CCAC requirements for large rats – increased capacity by 33%. Added a humidifier to ensure the necessary humidity levels required for the housing of non-human primates.
Sunnybrook: Facilities Improvement	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 3.8%	Upgrades to facilities critical to the operation of the institute, including funding to renovate laboratories in the A wing to foster better collaboration between researchers; renovation of the K3W area to allow for expanded use of the dedicated cancer CT; as well as the renovation of the bio specimen area dedicated to clinical trials.	Completed expansion and maintenance activities to facilitate critical research endeavors	Complete renovation by end of fiscal	While this project is still in process the BAS system upgrade was initiated. Dedicated bio-safety room for clinical trial activity was completed.

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Sunnybrook: EDI Initiative	Equity, diversity and faculty renewal (In the content of equity, diversity and inclusion)	Percentage of IPG grant invested in supporting this project: 0.8%	Development and implementation of a comprehensive equity and diversity action plan for the institute	To promote EDI best practices	The placement of an EDI specialist and completion of Action Plan	Project objective was completed with the addition of the EDI resource specialist
UHN: Princess Margaret Cancer Research Tower Annual Capital Renewal	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 8.9%	Facility maintenance and annual capital renewal including HVAC system renewal, chiller rebuild, humidifiers rebuild, and steam system repairs	To ensure research is not adversely impacted by unacceptable operational variances or interruptions	Completed maintenance in fiscal	Project objectives completed. The building HVAC systems are fully functional providing a stable environment supporting experimental work. Chiller components were upgraded and or replaced, Eddy current testing completed and the VAV controllers were replaced. The plumbing renewal work provided replacement pumps for domestic water, as well as upgrading of the Reverse Osmosis and Clean Steam Generator systems.
UHN: Krembil Discovery Tower Annual Capital Renewal	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 3.8%	Facility maintenance and annual capital renewal including HVAC system renewal, boiler feed pump rebuild, plumbing renewal	To ensure research is not adversely impacted by unacceptable operational variances or interruptions	Completed maintenance in fiscal	Project objectives completed: The building HVAC systems are fully functional providing a stable environment supporting experimental work. Cooling tower make-up water valves were replaced; boiler feed pump and control boards replaced; Air handling unit motors were replaced, and several cooling coils were replaced as well. The plumbing renewal work provided replacement of back flow preventers and upgrades to the clean steam generators.
Robarts Fisher Bissel Door Replacement	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 4.8%	Lock replacement for Robarts main door, Fisher Rare Books entrance and Faculty of Information (Bissell) entrance	Improved security and accessibility	Project completed within timelines with limited disruption to facilities	The project objectives were completed providing a smooth entrance into the buildings increasing usability and allowing for accessibility. The vestibules have air curtains that moderate and balance temperature from outside environment. Maintenance issues have disappeared, and there is remote control of the doors that are integrated into our security system.

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Robarts' 4th Floor Reading Room Renovation	Facilities renewal, including deferred maintenance	Percentage of IPG grant invested in supporting this project: 32.1%	Facilities renewal and modernization for iconic Robarts Library 4th Floor Reading Room	Improved research/study space that facilitates community via technology infused meeting spaces, and the support of digital scholarship for researchers and students	Project completed within timelines with limited disruption to facilities	While in progress, this iconic reading and research room has been transformed into highly accessible research areas that speak to both heritage and contemporary architecture.
SickKids PGCRD Data Centre	Information resources, including digital resources, open access and databases	Percentage of IPG grant invested in supporting this project: 15.5%	To provide increased HPC capacity	Enable faster and more robust scientific discovery by enhancing data processing capability	Increased computer nodes as well as additional tier 1 and 2 storage nodes for overall increased in petabyte capacity	Project objectives were completed with the purchase of 20 Servers, with 135 16TB Hard drives, 64 16GB RDIMM and 120 32GB RDIMM. This capacity in our Data Centre drives the research through providing computation and storage resources to: Precision Medicine imaging, genomics and structural biology; Machine Learning to develop, build and validate the models, and is a key factor in our recruitment strategy and talent retention.