

2023/24 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
AMPD MakerSpace Upgrade & Maintenance	Facilities renewal	\$22,000 invested in equipment upgrades	Enhance/ broaden potential for collaborative research and research-creation at the material-digital intersections in arts and design.	Increased research intensity, increased cross-disciplinary research-creation grant applications, increased HQP expertise with makerspace tools.	New capacity for research-creation and technologically-enhanced arts production, increased connections with industry and community research partners, enhanced access and digital proficiency for industry and community partners.	
Electric, Water and Accessibility Upgrades to Maloca Garden Living Lab	Facilities renewal	\$38,000 invested in infrastructure upgrades	Upgrade Garden infrastructure to ensure continued use as a research and experiential education site.	Percentage completed projects on time, on budget. Enhanced community engagement in research.	Improved lighting and water access in support of hydroponic tests and pilot research activities, improved accessibility for users with mobility challenges. Enhanced research/ educational opportunities.	
Emergency Power Back-Up Lab Infrastructure	Facilities renewal	\$120,000 invested in emergency power back-up infrastructure	Ensure emergency power back-up for cold storage in biology research and teaching labs to mitigate against unforeseen power outages	Intensification of research activities.	Mitigate risk of losing irreplaceable biological samples held in cold storage.	
MRI Facility Upkeep	Facilities renewal	\$160,000 invested to maintain MRI Facility	Continued operation of the MRI facility	Number of MRI facility users, grant applications and funded grants using MRI facility.	Ongoing operation of the MRI facility to support numerous research initiatives, including CFREF Connected Minds and the Neuroscience Organized Research Unit	

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High Performance Computing Upgrade	Facilities renewal	\$95,153 invested in high performance computing	Upgraded central resources for research projects requiring high power computing.	Measurable increase of researchers accessing HPC resources; ability to run larger simulations with complex datasets.	More robust and accessible HPC infrastructure that scales and promotes research.	
Biosafety Needs for Bio-Engineering	Facilities renewal	\$27,200 invested to upgrade bio-safety equipment	Improvements in biosafety to support numerous bio-engineering/biomedical research projects.	Increased research intensity in innovative bioengineering and biomedical research; increased HQP expertise in biomedical and bioengineering.	Enhanced research activity and collaboration around key research addressing bio-engineering and biomedical research.	
Electron Microscope Upgrades	Facilities renewal	\$48,000 invested to upgrade two electron microscopes	Upgrade components on two electron microscopes to support space research at the Center for Research in Earth and Space Sciences.	Increased research intensity in innovative space science.	Continued operation of state of the art CFI-funded infrastructure in support of Space research.	
NMR Upgrade	Facilities renewal	\$80,000 invested to upgrade console for 700 MHz NMR spectrometer	Continued operation of NMR spectrometer.	Attraction of outstanding faculty, postdoctoral fellows, and students, increase in publications and research funding.	Fully functional NMR spectrometer	
Confocal Microscope	Facilities renewal	\$160,000 invested to upgrade laser scanning confocal microscope	Fully functional confocal microscope.	Attraction of outstanding faculty, postdoctoral fellows, and students, increase in publications and research funding.	Continued operation of confocal microscope	