Progress on UCalgary IPG Project Objectives – 2021/22 report   **Total IPG award: $ 2,791,542.00**

Project name	Objective(s)	Allocated Amount	Progress
Integrated Industry Partnerships Priority area: A Innovation and commercialization activities.	Development of a campus-wide coordinated operational approach for UCalgary industry partnerships	$30,000	Industry partnerships of all kinds are critical to the success of the UCalgary Framework for Growth strategy. Relationships with industry partners have unique characteristics and require a strategic and coordinated approach across campus. Industry wishes to engage with the University of Calgary on several levels – through funding research, accessing the talent pipeline, engaging with students through experiential learning opportunities, providing sponsorship, philanthropic dollars and other in-kind support through mentorship, skills, services and more. The Industry Engagement Working Group (IEWG) was established to connect key stakeholders across campus to determine and develop the operational approach needed at UCalgary to engage industry in a fulsome way. Recruitment and formation of the IEWG took place during the summer of 2021 with the inaugural meeting occurring in October 2021. The IEWG conducted an extensive analysis to first identify gaps and challenges that presently exist within the University when engaging industry partners. Industry has also shared the challenges they come across when they attempt to engage with UCalgary. Based on engagement with the IEWG, research and meetings with other institutions, , the following recommendations have been suggested: Implementing coordinated infrastructure, systems and processes across campus to engage industry partners will impact and benefit the University as a whole; implementing a streamlined process and coordinating industry engagement across the campus will assist internal departments/faculties by avoiding duplication and creating efficiencies in working with partners. Furthermore, a coordinated effort across the campus will open up additional work integrated learning (WIL) opportunities and enhance the experience for our partners and

			students. This will not only generate maximized partnerships but elevate the reputation and impact for UCalgary at the provincial, national and international level.
Innovation Initiatives Priority Area: A - Innovation and commercialization activities.	Development and further support of the Social Innovation (SI) enterprise; support for invention and creation of startup companies from new inventors; communications support.	$733,000	SI Collaborative established. Members include those from across faculties, institutes, centres, and initiatives involved with social innovation-based research, activities, and work. Pilot event with community; 16 participants representing 10 local organizations; Community informed proposals seeking support from the University of Calgary to help move their mission forward; Community initiative successfully partnered with UCalgary. Social Innovation Initiative website created. Includes common intake, resource page that highlights UCalgary SI supports and event listings across units. Early-stage invention incubator launched. Experienced academic mentor network recruited. Mentors guided 40 new research teams through innovation process design, problem/solution/prototype validation and customer discovery. Two innovation-focused podcasts launched: 10 episodes of Now Innovating and 16 episodes of Impact Now podcast completed and available online. Innovation@UCalgary online content refresh and new social media content completed.
Electronic Infrastructure for Clinical Trials and Integrated Ethics Platforms Priority area: B - Facilities renewal, including deferred maintenance.	Virtual Clinical Trial Platform: To select and implement a virtual clinical trial platform that meets the needs of UCalgary researchers and fits into the UCalgary clinical research system environment. IRISS Enhancements: To	$226,667	Virtual system platforms were identified and evaluated. A custom build REDCap solution offered the best fit and was developed. The solution was approved by the REB office for eConsent use. The solution roll out commenced in Spring 2022. REBX: The objectives of the REBX for this phase of the project have been met. The website and supporting material are utilized by researchers and administrative staff. There is no additional

	upgrade the IRISS platform to utilize new technology and meet new business requirements for multi-site research.		burden put on helpdesk or administrative staff to support the REBX (proven by negligible help desk queries). The REBX has essentially eliminated the individual ethics submissions for collaborative research for multi-site studies.
EDI Initiatives Priority area: D - Equity, diversity and faculty renewal (in the context of equity, diversity and inclusion).	Support equitable and inclusive recruitment and support processes for Canada Research Chairs; development of guidance and educational resources on EDI in research design and practice to support researchers and staff.	$81,000	Advanced documentation of CRC recruitment and support processes; formalized feedback to faculties to aid further cross-campus capacity building; held pilot interviews with 7 Canada Research Chairs. Nearly 20 consultations were held on EDI in research plans; comprehensive consultations, guidance materials, and detailed review of EDI in research proposals supported researchers across 13 competitions; 3 training sessions were delivered and attended by over 100 people; RSO-wide dissemination of central and tri-council EDI content; EDI review resources were developed for use by RSO staff.
Research Impact Assessment (DORA) Priority area: C - Information resources, including digital resources, open access and databases.	Conduct a review of internal policies and practices for research assessment. Develop and disseminate digital resources that promote DORA principles, share best practices, and support individual faculties to implement DORA guidance. Develop tools that help faculty members to capture and summarize their scholarly impact.	$115,000	Review of internal policies and practices for research assessment: Hired Research Impact Assessment Specialist and Consultant, Research Assessment; engaged external consultant on international practices in RIA; convened Research Impact Assessment Working Group to provide insight on RIA practices across UCalgary campus; provided feedback to two faculties on draft Academic Staff Criteria & Processes and research impact framework documents; consulted with individuals, departments and faculties to identify areas of strength/development in research impact assessment and DORA alignment. Development of digital resources to promote DORA principles and best practices, and support implementation of DORA guidance: Drafted a communications strategy for campus engagement; reviewed existing literature on DORA case studies and developed summary report for internal use; consulted with one selection committee on DORA recommendations for recruitment/hiring. Development of tools to capture and summarize scholarly impact: Delivered invited webinar on communicating research excellence in a DORA-

			aligned way to faculty members in Cumming School of Medicine; consulted with UCalgary Libraries and Cultural Resources and a research analytics tool vendor representative regarding available tools and resources for capturing scholarly impact.
Knowledge Engagement Priority area: A - Innovation and commercialization activities.	Build capacity in knowledge engagement. Facilitate the development of partnerships for research. Provide a robust support structure for knowledge engagement initiatives.	$300,000	Number of inquiries received from both internal and external parties interested in community-focused research partnerships; number of partnerships supported; number of meetings with community organizations: 8 internal and 15 external intakes for research project matchmaking and collaboration support, plus 8 ongoing partnerships supported. 39 consults with researchers. Number of events: 9 Navigating Partnered Research virtual workshops hosted, with 634 registrants; 6 additional workshops hosted. Supported/co-delivered 15 events. Coordinated 26 events with the Calgary Public Library, with 1,051 registrants. Monthly meetings of Knowledge Engagement Community of Practice. Number of funded projects, research revenue: 26 research funding applications supported, 10 of which were successful to date, totalling $7.97M in grant revenue awarded. Guidance resources developed: KE Impact Assessment Toolkit downloaded over 300 times; slides and recordings from workshops collated and distributed. Website data (traffic from external and internal sites, inquiries submitted): KE Newsletter opened 1620 times; Knowledge Engagement homepage visited 1250 times, KE Impact Assessment Toolkit page visited over 1000 times; Average time on KE Impact Assessment Toolkit page was over 5 minutes, indicating that visitors viewed embedded videos.
International Research Partnerships & Innovation Unit	To build capacity to support international research; to attract new major international funding; and to expand	$110,544	A new international research unit was created in partnership with RSO and UCI. We hired a manager and an international research facilitator. The two of them support the overall advancement of international research and innovation specific to

Priority area: A - Innovation and commercialization activities.	global partnerships that support the advancement of research, innovation and commercialization.		partnership development and international funding sources. We have engaged and supported UCalgary researchers through various interactions and meetings. Received 13 requests from UCalgary researchers seeking international research partnership and funding; a total of 88 international funding opportunities identified. Hosted 1 international funding workshop for UCalgary researchers delivered by the French Consulate in Vancouver. Supported 2 missions (Mexico and United Arab Emirates), identifying international research and funding opportunities to support partnership in those regions. Supported the Curtin Aberdeen Calgary Strategic Alliance by assembling a list of 57 domestic and international funding opportunities, based on early suggestions for areas of research overlap. In addition, a list of 1,436 funders in Australia, Canada, and the UK was prepared. Supported and staffed 5 delegations with industries and organizations, providing background on research themes, research collaborations, innovation, and industry engagement. We have started the development of 2 tools for researchers for partnership matching and finding international funding opportunities.
Indigenous Research Support Team Priority area: D - Equity, diversity and faculty renewal (in the context of equity, diversity and inclusion).		$416,000	In the reporting year, we have engaged and supported Indigenous scholars through various interactions, including introductory meetings, ethics support, grants and funding support, editing and review of manuscripts, and provided support for hiring. IRST has supported requests from Indigenous faculty members, including post-doctoral research requests, research requests by Indigenous leadership, and other research requests, which includes students, Indigenous staff, instructors, and sessionals. IRST has hosted a drop-in session for miscellaneous research support. There were non-Indigenous project support requests, including faculty/instructors, students, and other internal support units. This included tri-agency grant support, general funding inquires, report review/editing, award selection, legal agreements, community engagement, etc. Indigenous research ethics applications were processed, including a number of applications that have been approved with a "Yes" response to the

			Indigenous Peoples question on the IRISS application. There have been community organizations engaged, including meetings and presentations with Indigenous leadership, partner organizations, non-profit and private entities. IRST has contributed to, networked with, and envisioned development of a nation-wide network of Indigenous research facilitators and supports.
High Performance Computing and Research Data Management Priority area: B - Facilities renewal, including deferred maintenance.	**High Performance Computing** To increase research capacity through greater access to shared major infrastructure across our university, including computing infrastructure, and to address and further prepare for greater demand. **Research Data Management** Establish Working and Steering Committees to develop and implement UCalgary's Institutional Research Data Management Strategy by March 2023. Begin to develop and manage information sessions to a) inform the UCalgary Community about the forthcoming RDM Strategy; b) prepare Faculty members on best practices for data management and stewardship, in anticipation of new Tri-Council requirements for Data Management Plans in grant applications.	$440,000	All High Performance Computing objectives have been met. The IPG funding was used for the purchase of HPC servers, storage, and network equipment. Some of the investment was used to hire a limited-term system analyst to manage CloudStack, which is a system extension to the HPC system. The Research Data Management (RDM) component of this project is well underway. UCalgary recruited Dr. Jennifer Abel, an expert in RDM and training who is engaged in national RDM conversations, as the RDM Specialist. Since her hiring, the university has convened a Steering Committee for the development of its institutional RDM strategy, as well as a Working Committee of senior managers from across the university. These committees have completed several milestones leading to the publication of an institutional RDM strategy. Dr. Abel is also in discussions with RSO and Libraries staff to plan the expansion of related services and resources.

| Dimensions and EDI Capacity-Building

Priority area: D - Equity, diversity and faculty renewal (in the context of equity, diversity and inclusion). | Build capacity in EDI and Indigenous research support. | $339,331 | A Dimensions program manager was hired to coordinate the activities of the UCalgary Dimensions Executive and Steering Committees and five working groups defining equitable and parallel pathways for each of the equity-deserving groups. Through these groups, a robust self-assessment of equity, diversity and inclusion in our institutional processes and research supports is in progress. The assessment will inform development of an action plan and form part of the University's application to the Dimensions recognition program in September 2022.

An Indigenous research grants specialist was hired to provide dedicated and knowledgeable advice and reviews for Indigenous research activities and applications. New guidance materials for researchers and staff on processes and cultural considerations for Indigenous research are in development.

In 2021, UCalgary launched the Equity, Diversity and Inclusion in Research and Teaching Awards Pilot Plan, jointly developed by the Offices of Vice-President Research, and the Vice Provosts EDI and Teaching and Learning. A Drafting Committee that drew its membership from groups across campus with expertise in EDI issues and awards was established to develop the plan, which embeds a foundational commitment to EDI into the identification and nomination of candidates for external research and teaching excellence awards. Following extensive consultation with campus stakeholders, a pilot phase was initiated to inform ongoing improvements and development of the plan through 2022.

Additional guidance documents for researchers, reviewers, and staff and website content on inclusion of EDI in research activities are in development. |