

# Development Plan 2022-2028

Strategic Orientations: Objectives, Activities and Indicators

## ORIENTATIONS

### 01

Integrate interdisciplinary and intersectoral perspectives for cutting-edge rehabilitation

### 03

Promote inclusion, social justice, and social participation through inclusive environments

### 05

Adapt to societal challenges in an agile way

### 02

Develop innovative strategies to support the continuum of rehabilitation services from acute care to the community

### 04

Advance knowledge mobilization science and its applications

### 06

Accelerate research in clinical settings by addressing organizational, ethical and policy issues

## OBJECTIVES, ACTIVITIES AND INDICATORS

### O1– Integrate interdisciplinary and intersectoral perspectives for cutting-edge rehabilitation

Objectives	Develop and test innovative technologies and generate evidence for them	Consider cost effectiveness in the development and evaluation of our interventions and innovative approaches
Activities	<ul style="list-style-type: none"> <li>• Living lab approach (BRILLIANT, VITALISE) and user-centered co-development</li> <li>• Creation of a technology interest group</li> <li>• Structuring support to citizen partners</li> </ul>	<ul style="list-style-type: none"> <li>• Integration of health economics researchers into research teams</li> <li>• Member training and application streams</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• Number of intersectoral projects funded</li> <li>• Number of researchers and students in the fields of Nature and Technology (NT) and Society and Culture (SC)</li> <li>• Number of health economics researchers</li> <li>• Number of projects funded that take into account cost impacts</li> <li>• Number of trainings on integrating cost effectiveness into projects</li> <li>• Percentage of infrastructure and operational funds dedicated to partnership research</li> </ul>	

3-year milestone: technology interest group created; at least one cost-effective training (recorded and available on CRIR website); new CRIR citizen partner status

*For example: ... Participatory space (Duclos), Turcot Interchange (Leroux), chronic pain management (Sullivan, Wideman), posture, balance or muscle activity (Larivière, St-Onge), back pain (Preuss, Robbins).*

## O2 – Develop innovative strategies to support the continuum of rehabilitation services from acute care to the community

Objectives	Fostering research related to megadata and artificial intelligence	Develop new methodologies for offering rehabilitation services centered on the specific needs of people with physical disabilities in the various spheres of their lives and to evaluate their impact
Activities	<ul style="list-style-type: none"> <li>• BRILLIANT and VITALISE platforms</li> <li>• Structured bank of participants and access to the lakes and databases of the CRIR sites</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete support to citizen partners</li> <li>• Intersectoral approach</li> <li>• Building new partnerships (partnerships and knowledge mobilization platform and innovation broker)</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• Number of intersectoral projects funded for customized approaches or services</li> <li>• Number of new intersectoral partnerships</li> <li>• Harmonized data transfer agreements between CRIR sites</li> <li>• Number of citizen partners who are members of CRIR</li> <li>• Number of ETMLs involving the expertise of our members</li> </ul>	

3-year milestone: new status of citizen partner at CRIR; identification of potential partners and citizens partners

### For example

*... telerehabilitation projects, co-developed with our clinical partners, have targeted different clientele, for example, improving physical function after a stroke (Kairy IURDPM), improving language in people with Parkinson's disease (Verduyckt IURDPM), and the transition to adolescence for children with physical disabilities (Ogourtsova HJR).*

*... CCSMTL has set up meetings for data lakes; PIER committee*

### 03 – Promote inclusion, social justice<sup>1</sup>, and social participation through inclusive environments

Objectives	Encourage researchers to apply equity, diversity and inclusion principles in research projects and procedures	Increase research that addresses social justice issues to address societal challenges and foster inclusion and participation
Activities	<ul style="list-style-type: none"> <li>• IDEA Committee (Inclusion, Diversity, Equity, Accessibility)</li> <li>• Workshops and training</li> <li>• Support for projects related to social justice</li> <li>• Involvement with diverse partners</li> </ul>	
Indicators	<ul style="list-style-type: none"> <li>• Number of projects related to social justice</li> <li>• Number of projects related to creating inclusive environments (human, physical, technological)</li> <li>• Number of partners from different sectors</li> <li>• Number of IDEA trainings</li> </ul>	

3-year milestone: IDEA committee short- and medium-term plan; identification of potential partners

#### For example

*... an environmental scan of awareness activities targeting the general perception of people with disabilities and training activities currently offered in Quebec (Rochette).*

*... co-creating a leisure experience in an accessible and inclusive theatre space for people with disabilities (Wittich INLB and CRLLM, in partnership with the Segal Centre for Performing Arts) and improving the accessibility of information and communication at the Montreal Museum of Fine Arts (MMFA), enhancing the museum experience for people with language difficulties (Kehayia HJR).*

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<sup>1</sup> Social justice refers to identifying the cause of inequity and removing the systemic barrier that results in a situation where no additional support or accommodation is needed.

#### O4 – Advance knowledge mobilization science and its applications

Objectives	Increase the transfer and adoption of new technologies and interventions	Advance the science of implementation to improve the use of evidence in practice and foster practice change
Activities	<ul style="list-style-type: none"> <li>• Participatory research</li> <li>• Workshops, summer schools and seminars</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborative work with multiple stakeholders</li> <li>• Support for cutting-edge practices related to the IURDPM<sup>2</sup> mission</li> <li>• Open science</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• Number of projects dealing with implementation science</li> <li>• Number of workshops, summer schools and seminars</li> <li>• Number of knowledge transfer activities on research outcomes for various audiences, including the general public</li> <li>• Open access publications and open data</li> </ul>	

3-year milestone: strategic planning of knowledge transfer activities for various audiences (nature, format, timing); deployment of action plan; increase in the proportion of open access scientific articles

#### For example

*... by linking fundamental approaches in vision with clinical needs, Johnson's research (CRLLM) has led to improved living conditions for people with age-related macular degeneration through new rehabilitation interventions and innovative technologies (e.g., hearing aids for visually impaired seniors).*

*... Rochette, from the IURDPM, is collaborating with numerous community, private (foundations) and government partners to create a Quebec strategic plan for training and awareness activities related to people with functional limitations.*

*... our actions in support of open access and the activities of the PIER committee*

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<sup>2</sup> IURDPM= Institut universitaire sur la réadaptation en déficience physique de Montréal

## O5 – Adapt to societal challenges in an agile way

Objectives	Adapting research to the new health realities	Addressing global health rehabilitation needs	Anticipating emerging issues in rehabilitation
Activities	Valorization of learning acquired during the COVID-19 pandemic	Support for global health projects	Strategies for engaging hard-to-reach or marginalized populations (indigenous peoples, refugees, immigrants, etc.)
Indicators	<ul style="list-style-type: none"> <li>• Number of guides, policies and procedures developed</li> <li>• Number of projects with partners in low- and middle-income countries</li> <li>• Number of awareness and training activities</li> <li>• Number of new partnerships with representatives of marginalized groups</li> </ul>		

3-year milestone: Identification of potential partners and funding arrangements for international projects

*For example ... CRIR researchers (Hunt HJR; Lencucha and Shikako-Thomas CRLLM; Hudon IURDPM) are developing new disaster response policies that adequately consider the needs of people with disabilities.*

## O6 – Accelerate research in clinical settings by addressing organizational, ethical and policy issues

Objectives	Recognize the critical importance of integrating innovation in rehabilitation	Put forth ethical issues related to access to rehabilitation services	Promote the active involvement of rehabilitation managers and clinicians in research
Activities	<ul style="list-style-type: none"> <li>• Advocacy so that organizational regulations account for the time dedicated to research by clinical rehabilitation settings</li> <li>• Valorization of social innovations</li> </ul>	<ul style="list-style-type: none"> <li>• Support for projects related to access to rehabilitation services</li> </ul>	<ul style="list-style-type: none"> <li>• Representation of our members at ministerial tables</li> <li>• Co-investigators, decision makers and clinicians integrated into research teams</li> </ul>
Indicators	<ul style="list-style-type: none"> <li>• Number of briefs submitted</li> <li>• Number of projects involving an innovation broker</li> <li>• Number of innovations implemented</li> <li>• Number of open letters</li> <li>• Number of ministerial committees</li> <li>• Number of meetings with decision makers</li> <li>• Advances in support mechanisms for clinical time in research</li> <li>• Number of researchers contributing to governmental scientific advice (ETMI, etc.)</li> </ul>		

3-year milestone: Invitation to governmental tables (e.g. national table of research directors) and establishment of a dialogue; recurring item on the PUR agenda

### For example

*... the brief submitted by the scientific direction to the Stratégie québécoise de la recherche et de l'innovation (SQRI) to support the recognition of clinical hours dedicated to research and to concretely support participatory research.*

*... the work of Hudon, a new researcher at the IURDPM, who is developing knowledge and tools to strengthen the ethics of physical rehabilitation care and services. She proposes to evaluate the strategies used by rehabilitation teams to deal with ethical issues in their practice, in the context of interventions with people with physical disabilities and chronic pain.*



**1 common mission**  
**2 research axes**  
**6 unifying orientations**  
**Great ambitions**

To implement the essential innovations needed to meet today's and tomorrow's major health and social services challenges.

