

Loricorps

LORICORPS

Transdisciplinary Research Group on Dysfunctional Eating Attitudes and Behaviors (DEAB) and Eating Disorders (ED)

Values. The Loricorps Research Group was created in 2014 and renewed in 2017 by the Université du Québec à Trois-Rivières (UQTR). It was first conceptualized by researchers from different fields following the first international symposium about Eating Disorders (ED) held in 2011 in the Mauricie region and organized by the *Agence de la santé et des services sociaux de la Mauricie et du Centre-du-Québec*. The organization prioritizes a dynamic atmosphere and inclusiveness, each member brings their unique perspective on Eating Disorder Research through **Dysfunctional Eating Attitudes and Behaviors (DEAB)**. **Respect and sharing** are the core values that lead to the Loricorps' **creativity and capacity to always aim for improvement**. The Loricorps Research Group uses two innovative techniques in its research: new technology and physical activity. Loricorps' reputation is directly related to its digital developments – applied to health/eHealth/health education – in four areas:



Virtual reality such as the [eLoriCorps-virtual environment](#), known as the “embodied and ecological Cyberbody rating scale”, and [Korkifaipo](#) to study, evaluate and treat perceptual disorders and to increase adherence to intervention. For a better understanding of the virtual reality utility, here is a link to the [Body-Shop](#) project presented for the SSHRC contest;



Mobile [web]application such as the “[Intervenant de Poche-Loricorps](#)”, sort of “[Medical Pocket](#)” to study, evaluate, and treat Pros-A (Perception, Relationship, Occupation and Sensation around attitudes and eating behaviors);



Social networks via [Instagram-Loricorps](#) as a vehicle for eHealth education interventions;



Artificial intelligence such as the [Loricorps database](#) to collect, access and interpret ePros-A datas from Loricorps' digital developments to meet the needs of the population (self-regulatory data), researchers (deferred data processing), and caregivers (real-time clinical data processing).

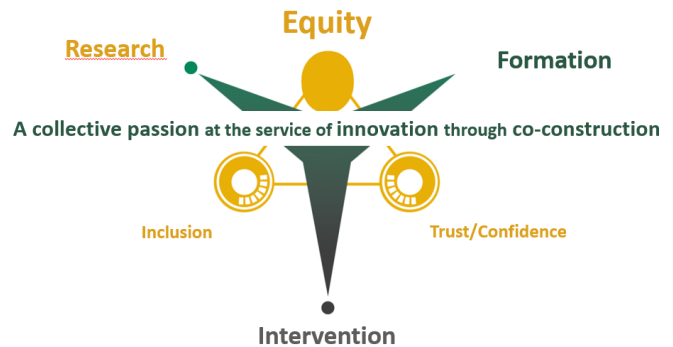
Decision support and prognostic profile identification through the optimization of deep learning algorithms are targeted to meet all population, scientific and interventional needs.

Mission. With the perspective of the living lab, Loricorps has focused on bringing together three, often isolated, poles: Research Training Intervention (RIT). The connection between RIT can be summarized by: “Research for Intervention through Training”. At Loricorps, **Applied and Integrated Research** aims at the improvement of interventions (both preventive and therapeutic) with people affected by DEAB, thanks to the qualified students and professionals who still continue to develop their skills through different training.

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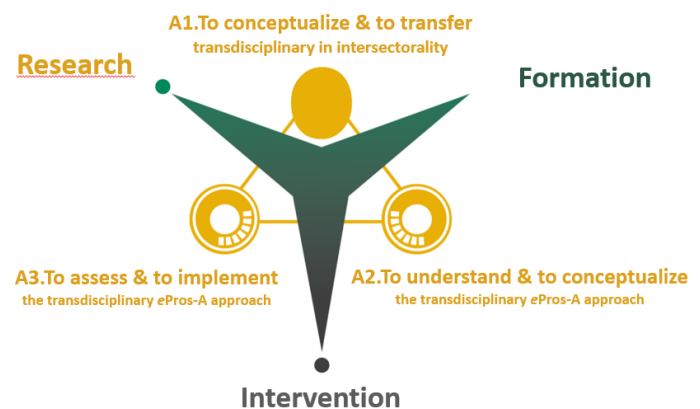
Vision. Loricorps aims to become a **leader in the transdisciplinary intervention of Dysfunctional Eating Attitudes and Behaviors (DEAB)** at a national and international level. This vision influences both the Research-Continuous Training-Intervention aspect and the development of this intervention along a continuum of prevention.

Values. The Loricorps Research Group has a collective passion for innovation through co-construction and also an integrated expertise [trans-disciplinarity vs. inter-disciplinarity] with a dynamic decontextualization [opportunity for change].



Integrated Research and integrated Health

Loricorps has three (3) transdisciplinary research axes. The first aim to conceptualize and transfer transdisciplinary to intersectorality. The second is to understand and conceptualize the transdisciplinary ePROS-A approach. This axis regroups all the research projects with the objective to scientifically study the components related to DEAB such as body image, prejudice, and others. The last one intent to evaluate and implement the transdisciplinary ePros-A approach. This axis groups all the applied research projects that directly or indirectly target the improvement of prevention (primary) of ED and DEAB within specific social environments (school, physical activity) and with priority given to the subjects of ED and obesity. It also includes applied research projects that indirectly or directly aim to improve the transdisciplinary treatment of DEAB, prioritizing systematic interventional approaches, cognitive-behavioral, and intuitive eating over interventional approaches based on experience, environment, and spontaneity. The Loricorps research targets children, teenagers and adults coming from a population presenting high risks (such as school/university, federation and club, athlete, modelling agency and others) and clinical contexts (hospitals, clinics, community organizations, post-treatment centers and others). Visit our website here: Loricorps.



The “dimensional approach” in mental health, opted for by the research unit, positions ACADs as perceptual disorders related to a continuum of intensity on eating attitudes and behaviors; ranging them from the most functional to the most dysfunctional (including eating disorders themselves). Related to that position, the

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transdisciplinary collaboration of the last five years has allowed the development of an innovative transdisciplinary approach: the ePros-A transdisciplinary approach. Composed of four active transdisciplinary ingredients - Perceptions, Relationships, Occupations, Sensations related to Eating Attitudes and Behaviors - this approach privileges the digital (e-)developments of the Loricorps (to be described later); allowing the asynchronous and remote mode. By advocating integrated models, this approach is derived from -and mobilizes- a collective transdisciplinary expertise based on five Knowledges: Knowledge itself, Knowing how, Knowing to be, Knowing to do (experience) and Knowing to become. This approach allows for early intervention through destigmatization and social inclusion, as applied in eHealth education by the SILENCE Program, and in eHealth by the eLoriCorps Program. The ePros-A approach allows us to think differently about mental health.

eLoriCorps Program

Since September 2016, Loricorps has opened the first Research-Intervention Program for DEAB in the Mauricie region. It is for individuals of all ages (from 7 years old) presenting subclinical and clinical ED. To apply, for yourself or a loved one, please visit the [website](#).

Key information:

- Integrated Intervention Research
- eHealth Education/Health Field
- Dimensional approach in mental health
- Perceptual disorders related to eating attitudes and behaviors
- ePros-A transdisciplinary approach [Perception, Relation, Occupation, Sensation]
- Digital developments (virtual reality, [web]mobile application, social networks, artificial intelligence)
- Transdisciplinary collective expertise (knowledge, expertise, interpersonal skills and growth process)
- Integrated Living-Laboratory