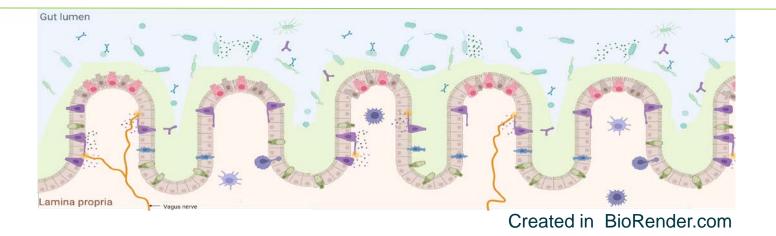
IHI Call Days | Call 9PROBarrier

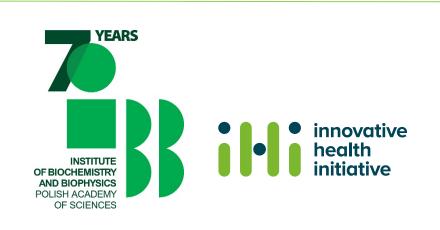
Innovative solutions for the treatment and symptom alleviation of diseases associated with gut barrier dysfunction

Contact person name: **Magdalena Kowalczyk (PhD, DSc)** Organisation: Institute of Biochemistry and Biophysics PAS E-mail: mk@ibb.waw.pl

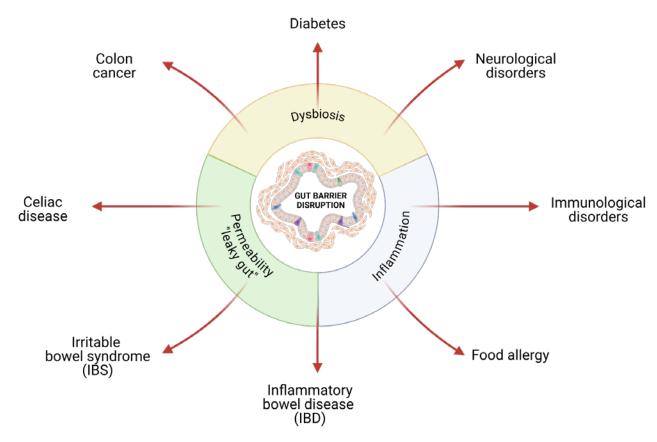
Link to the IHI brokerage platform: https://tinyurl.com/26ns6f4j

- Proposal sharing tool
- Participant profile





Challenges and objectives



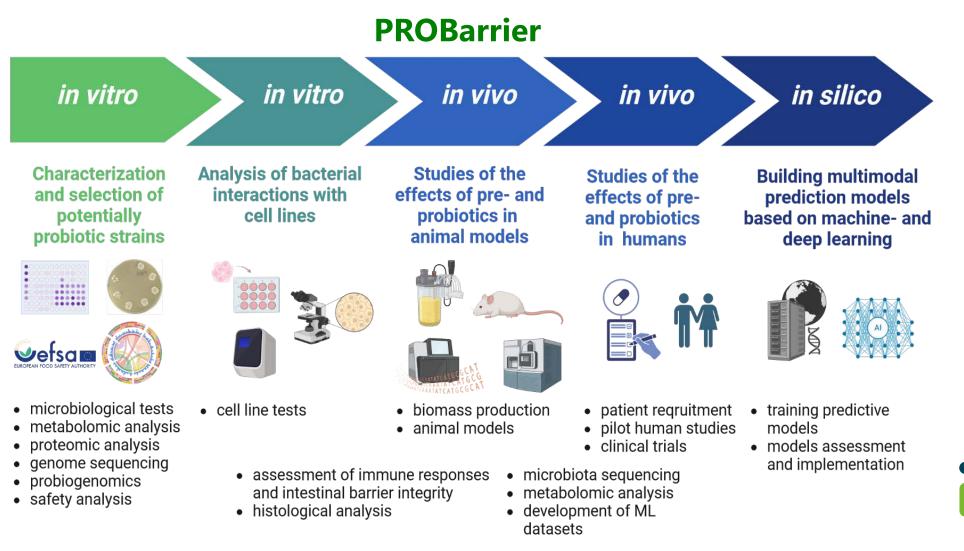
- **SO1:** better understanding of the determinants of health and priority disease areas
- **SO2:** focusing on unmet public health needs, to enable the development of tools, data and technologies for improved prediction, prevention and treatment of diseases
- SO5: developing new and improved models for a comprehensive assessment of preand probiotics
- increasing number of problems linked to gut barrier disruption
- lack of effective therapies for people with gut barrier disorders
- poor quality dietary supplements
- limited number of well-characterized probiotic strains



UNMET PUBLIC

HEALTH NEEDS

Our approach to solve the problem



innovative

health

initiative

Approach

Methods

Our project is suitable for IHI

- The project will drive innovation in gut health therapies, contributing to scientific, economic, and societal impact through public-private collaboration
- This proposal seeks contributions from industry partners, including large and small pharmaceutical companies, biotech startups and tech software firms, including SME
- Industrial partners are essential for the production of prebiotics, probiotics, and dietary supplements, as well as for providing evidence based personalized medical services and IT solutions



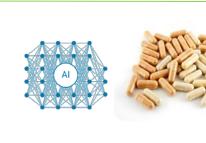
Outcomes and Impact

 Outcome: Innovative solutions for the protection and restoration of gut barrier function including:

- Novel prebiotics and probiotics targeting personalized needs
- Novel datasets on the microbiota of individuals with gut barrier disorders
- Multimodal predictive models allowing for more precise diagnosis and treatment
- Impact: By restoring and maintaining gut health through a comprehensive, multidisciplinary approach, we address unmet public health needs, which are increasingly prevalent in today's societies across the EU and worldwide



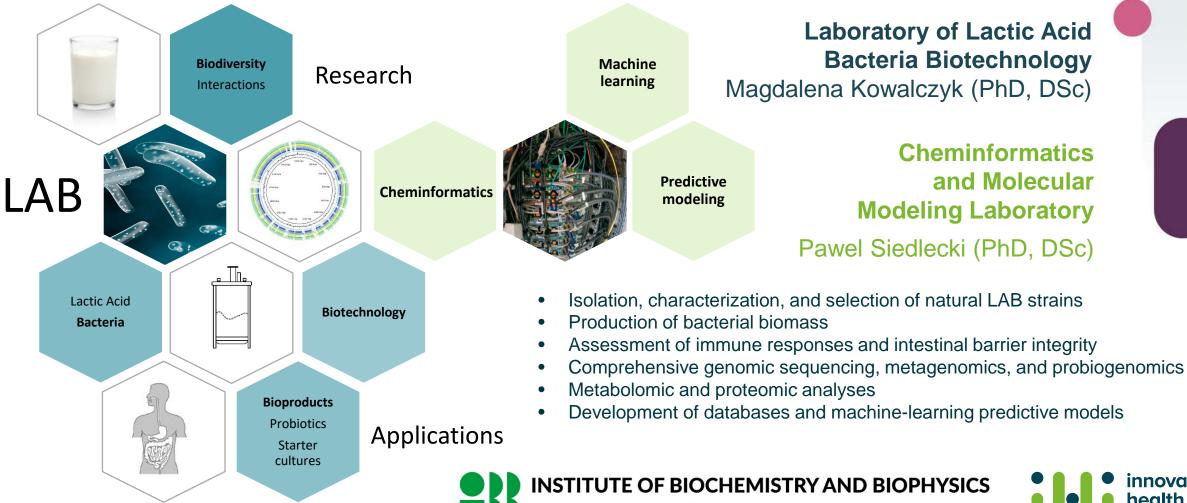








Expertise and resources - Poster !!!



POLISH ACADEMY OF SCIENCES



Looking for:

Seeking Consortium Partners, including an experienced Coordinator

- Academic Partners Experts in:

 - Traditional and next-generation probiotics *In vivo* studies using suitable animal models for diseases associated with gut barrier disorders
 - Conducting multi-center studies relevant to the project's scope
- Healthcare Practitioners and Hospitals Equipped with:

 - Access to patient populations for recruitment
 Capacity for pilot human studies and clinical trials
 - Knowledge of regulatory pathways to facilitate clinical research
- **Industry Partners** (Pharma, Biotech, and Al Sectors) Engaged in:
 - Production of prebiotics, probiotics, and dietary supplements
 - Provision of evidence based personalized IT services utilizing developed databases and predictive models
 - Business development and marketing support to ensure commercial viability and uptake

