



This project is co-financed by the European Union  
and the Republic of Türkiye



**ICTürkiye2025**  
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PRESENTER FULL NAME: Buket Akinci

ORGANIZATION: InnovRES Physiotherapy and Rehabilitation Inc. Company

WORKSHOP NAME: Digital and Smart Health

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## Description of the Organisation



- **InnovRES Physiotherapy and Rehabilitation Inc. (EU PIC Number: 875124010)** is an innovative start-up operating within the Biruni University Technopark.
- *The vision* is to advance research and development in the fields of physiotherapy and rehabilitation, aiming to improve how technologies in rehabilitation is delivered and made accessible.
- By creating cutting-edge technologies, products, and methodologies, we aim to simplify access and expand the reach of innovative rehabilitation solutions.
- Our ambition is to bridge the gap between technological advancements and conventional rehabilitation practices, ensuring that transformative innovations effectively reach those in need.
- As a company, we are committed to scaling our solutions globally, fostering collaboration, and continuously driving innovation to improve the lives of individuals seeking physiotherapy and rehabilitation services.

## Your Teams' Expertise

### Physiotherapy and Rehabilitation

Digital health (mobile application, wearable devices, gamification, telerehabilitation, digital sensors)

Biomedical devices (respiratory muscle training devices)

Research and Development  
Counselling on the rehabilitation of NCD's.



**Entrepreneurial:** InnovRES  
Physiotherapy and Rehabilitation  
Inc. Company

**Technical:** Microsoft Office  
Programs (excellent), Interpreting  
statistical results and translating  
them into actionable insights, data  
visualization



**Academic:** research design, data  
analysis, literature review,  
experimental techniques, grant  
writing, publication, teaching and  
mentoring, proposal writing,  
collaboration, interdisciplinary  
knowledge

**Creative:** creative problem  
solving, idea generation &  
brainstorming, design thinking,  
innovation management, content  
creation, collaboration in creative  
teams

## Your Research Fields

**Digital health** (mobile application, wearable devices, gamification, telerehabilitation, digital sensors, AI-driven solutions)



**Rehabilitation** (exercise, physical activity, pulmonary rehabilitation, cardiac rehabilitation, neurological rehabilitation, preventive rehabilitation, healthy lifestyle, pediatric rehabilitation, geriatric rehabilitation, longevity, wellness)



**Biomedical Devices for Rehabilitation** (respiratory devices, respiratory exercise trainers, bronchial hygiene devices, spirometers)



**Implementation of innovative rehabilitation solutions** (Creating and applying innovative tools, technologies, and digital solutions to promote a healthier society)



## Your On-going Projects

- **"Development of a Personalized Respiratory Exercise Device with Origins in Turkey and Examination of Its Clinical Effects on Different Samples"** - TÜBİTAK-1001, Buket Akıncı (Principal Investigator)
- **"Digital Transformation in Chronic Respiratory Diseases: EvPRETT (Home-Based Pulmonary Rehabilitation Treatment and Tracking) Application"** - TÜSEB C-Smart Tracking and Treatment, Buket Akıncı (Principal Investigator)
- **"Investigation of the Effectiveness of Functional Respiratory Muscle Training in Obese Individuals"** - TÜBİTAK-1002, Buket Akıncı (Consultant)
- **"Comparison of the Effectiveness of Pulmonary Telerehabilitation and Physical Activity Recommendations in Patients with COVID-19-Related Pulmonary Fibrosis"** - TÜSEB A, Buket Akıncı (Researcher)
- **"Comparison of the Effects of Video Game-Based Respiratory Exercises and Traditional Respiratory Exercises on Pulmonary and Extrapulmonary Features in Children with Asthma"** - TÜSEB A, Buket Akıncı (Researcher)

## Project Idea

**Call Topic: HORIZON-HLTH-2025-01-DISEASE-06** Implementation research addressing strategies to strengthen health systems for equitable high-quality care and health outcomes in the context of non-communicable diseases (GACD)

**Deadline Dates:** 18 September 2025

### ❑ Objectives:

- To become a partner in a collaborative project, contributing a physiotherapy perspective to strengthen health systems for NCD care.
- To support the adaptation and implementation of evidence-based, equity-focused, and innovative interventions in underserved settings.
- To contribute to capacity building and knowledge exchange, fostering sustainable improvements in NCD care through multidisciplinary and innovative approaches.

### ❑ Expected Results:

- Enhanced access to equitable, high-quality NCD care, incorporating physiotherapy-led, patient-centered, and innovative models in low- and middle-income countries and disadvantaged populations in high-income countries.
- Scalable and sustainable intervention models that improve health outcomes, using innovative health system approaches.
- Strengthened research and implementation capacities through collaborative partnerships and cross-disciplinary knowledge exchange.

## Project Idea

**Call Topic:** “Tackling diseases and reducing disease burden”. Grant to the Global Alliance for Chronic Diseases (GACD)

**Deadline Dates:** Fourth Quarter of 2025

### **Objectives:**

- To facilitate the active participation to support coordinated international research on the prevention and treatment of chronic, NCDs.
- To contribute to the development of evidence-based recommendations that inform public health research policy and strengthen global efforts to reduce the burden of chronic diseases.
- To enhance international collaboration and knowledge exchange by aligning EU health research priorities with global initiatives in chronic disease management.

### **Expected Results:**

- Strengthened international partnerships and collaborative research efforts to address chronic, NCDs through coordinated GACD activities.
- Evidence-based policy recommendations that support the European Commission’s role in shaping future public health research agendas.
- Improved alignment of EU-funded health research with global priorities, contributing to more effective prevention, treatment, and management of chronic diseases worldwide.

## Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01				
02				
03				
04				
05				

**Consortium – required partners**

No	Expertise	Type	Country	Role in the project
01				
02				
03				
04				



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