BRIOLIGHT + BRIOLIGHT NETWORK

RESEARCH PARTNER PROFILE

Ukrainian technology for collaborative research in rehabilitation, human recovery and inclusive education

One point of contact. Proprietary rehabilitation technology and coordinated access to complementary research and clinical capabilities in Ukraine

TWO COMPLEMENTARY WAYS TO ENGAGE

BRIOLIGHT

Technology Platform

Proprietary software, digital exercises, ten rehabilitation modules, sensors, biofeedback and configurable measurement tools

BRIOLIGHT NETWORK

Research & Clinical Ecosystem

Coordination with independent researchers, universities, clinicians and study sites for research in Ukraine

2007
TECHNOLOGY SINCE

10
MODULE TYPES

2025
MEDICAL REGISTRATION

FOR INVESTIGATORS

Invite Briolight as your technology partner, or explore a coordinated Ukrainian research component through Briolight Network

Briolight-Ukraine, LLC | Mykolaiv, Ukraine | briolight.ua

01 / TECHNOLOGY PLATFORM

Software-Defined Rehabilitation

Nearly two decades of proprietary software and hardware engineering, brought together in one adaptable rehabilitation environment

SOFTWARE & IP

Digital therapeutic exercises, configurable interaction scenarios and a shared software platform

MODULES & SENSORS

Ten hardware modules, movement and touch sensing, multimodal interaction and real-time feedback

METHODS & DATA

Therapeutic guidance, configurable performance metrics and structured session outputs

PORTAL & SERVICES

Programme and procedure management, research tools, support and online services

TEN REHABILITATION MODULE TYPES

IF-R	Interactive floor	MN-R	Coordination & rhythm
IW-R	Interactive wall	LM-R	Speech rehabilitation
VM-R	Gross motor rehabilitation	TS-R	Cognitive rehabilitation
DM-R	Fine motor rehabilitation	SN-R	Sensory interaction
BP-R	Balance & stability	SC-R	Psychophysiological self-regulation

CONTRIBUTIONS TO RESEARCH

- Adapt digital exercises and sensors to study protocols
- Configure measurements and structured outputs
- Install and maintain equipment at research sites
- Integrate modules and train multidisciplinary teams

Modules & demonstrations

briolight.ua/en/modules.html

Technology platform

briolight.ua/en/platform.html

02 / RESEARCH EVIDENCE

Verified Work. Research Capacity.

Clinical studies, medical registration and independent institutional collaboration support new research protocols

2025 / COMPLETED

Paediatric clinical research

40 children aged 4–8; 12-week protocol with intervention groups and a control group. The final institute report includes analysis and recommendations

2024–2026 / PROTOCOL

Adult rehabilitation research

Institute-approved study programme after brain injury; the protocol envisages 75 participants in five groups

2025 / REGULATORY

Medical device & quality system

CIMS Briolight medical device registered in Ukraine on 21 August 2025, No. 24555; ISO 13485 quality management system

SELECTED INDEPENDENT REFERENCE SOURCES

- State Medical Device Register
- Odesa National Medical University repository
- KPI / Institute for Applied Systems Analysis
- Ukrainian Research Projects Register
- Rehabilitation & Balneology Research Institute

BRIOLIGHT NETWORK / COMPLEMENTARY EXPERTISE

We coordinate research opportunities with independent institutions, universities, specialists and clinical facilities, matching project needs to the right partners and sites in Ukraine

- **Clinical & research partners:** Rehabilitation institutes, specialised clinicians and neurological or veterans' rehabilitation facilities
- **Academic & engineering partners:** Petro Mohyla Black Sea National University, IASA at Igor Sikorsky KPI and other universities
- **Participants & field settings:** Recruitment and site access through partner institutions, subject to agreements, ethics review and informed consent

Full reports and named references briolight.ua/research

03 / CONSORTIUM ENGAGEMENT

From Research Question to Joint Project

Join an existing consortium as a technology partner or coordinate a Ukrainian research component with independent partners

ILLUSTRATIVE WORK-PACKAGE CONTRIBUTIONS

WP 1 — **TECHNOLOGY & INTERVENTION DESIGN**

Software adaptation, module configuration, sensors, digital exercises and measurement setup

WP 2 — **STUDY PREPARATION & PILOT SUPPORT**

Technology deployment, staff training and coordination with clinical or university teams

WP 3 — **IMPLEMENTATION & TRANSLATION**

Multi-site deployment, technical support, clinical workflow integration and scale-up planning

PARTNERSHIP FORMATS

01 **Technology platform only**

02 **Coordination through Briolight Network**

03 **Integrated research partnership**

SIMPLE START

Share a research concept, protocol or work-package outline. We identify suitable technology and research sites, then discuss roles, study governance and next steps

RESEARCH PARTNERSHIP CONTACT

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MORE INFO ABOUT BRIOLIGHT RESEARCH

briolight.ua/research