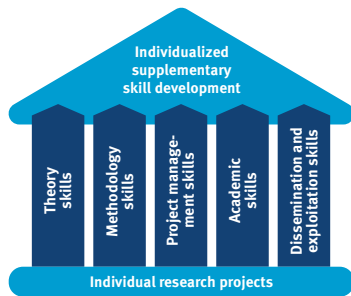# TReND

# Marie Skłodowska-Curie Doctoral Network: Translational Research Network in Motor Disorder Rehabilitation (TReND)

## Advancing understanding of variability in motor control and learning, to enhance clinical practice

## Our mission

We will develop the skills of our early career researchers to perform seminal research in the field of neuromotor control and learning and to translate their research results into practice to innovate the clinical sector.

Individualized supplementary skill development

- Theory skills
- Methodology skills
- Project management skills
- Academic skills
- Dissemination and exploitation skills

Individual research projects

We will further our understanding of functional variability in motor control and learning with a focus on neuromotor disorders.

*Photo: University of Münster*

We will systematically translate our knowledge gains in motor control and learning to enhance clinical diagnosis and rehabilitation of clinical populations.

*Photo: University of Münster*

## Our research objectives

- To investigate the influence of neuromotor disorders on functional movement variability.
- To develop innovative therapy concepts, to restore functional variability.
- To translate fundamental research into practical clinical approaches.

## Our network & partners

**Beneficiaries**

- JÖNKÖPING UNIVERSITY
- KING'S College LONDON
- KU LEUVEN
- Radboud Universiteit
- $u^b$ UNIVERSITÄT BERN
- Aix Marseille université Initiative d'excellence
- TEL AVIV UNIVERSITY

**Coordinator**

- Universität Münster

**Clinical partners**

- Sint Maartenskliniek
- MST Medisch Spectrum Twente
- Evelina London Children's Healthcare
- NHS 75 Guy's and St Thomas' NHS Foundation Trust
- NHS Royal Free London NHS Foundation Trust
- LOEWENSTEIN HOSPITAL Rehabilitation in Ra'anana

**Industry partners**

- proPhysics
- IIME
- Shadow Robot

**Academic partners**

- UHASSELT KNOWLEDGE IN ACTION
- SMUC STADE MARSEILLAIS UNIVERSITÉ CLUB

## Our innovation objectives

Clinical tools for the assessment and diagnosis of functional movement variability

Guidelines and recommenddations for restoring functional variability

## Follow us

- www.uni-muenster.de/TReND-EU
- https://x.com/trend_eu
- www.linkedin.com/company/msca-dn-trend