

SYNchrony in Caregiver-Child Interactions across Neurodiversity

This project aims to boost sustainable collaboration in a cross-national and cross-disciplinary network, with the University of Warsaw as the widening partner, the University of Heidelberg University of Milano, Copenhagen University, and the University of Trento to facilitate knowledge transfer and exchange of best practices in the research on biobehavioral synchrony. Research exploring how different synchrony measures are related to each other in diverse populations seems highly important, as biobehavioral synchrony is known to support health and psychological well-being. The main goal of the SYNCC-IN project is to strengthen the University of Warsaw's scientific and organizational capacity and to make the University of Warsaw a leading player in biobehavioral synchrony research. The SYNCC-IN project is formed by five universities carefully selected for their complementary expertise in biobehavioral synchrony. It will establish a Virtual Laboratory for Biobehavioral Synchrony led by the University of Warsaw. Leading researchers in the field with complementary expertise and experience in strategic areas will collaborate on this project. The group will develop a protocol to study different levels of synchronization in parallel (behavioral, physiological, neural). Subsequently, this protocol will be applied in a multicenter research project. The transfer of knowledge between partners is vital to this project. Work packages include sustaining changes at the University of Warsaw, conceptual framework building for parent-child synchrony, methodology transfer and integration, joint study, dissemination and outreach, and management and coordination. Twinning funds will help make the Widening Country's University of Warsaw an important research center within the designated field, strengthening its research and innovation potential within the European Research Area, its international reputation, visibility, and its capacity to compete for research funds as a project leader.