

# The Neuroaesthetics of Music: a neurobiological perspective

Alice Mado Proverbio,

*Milan Center for Neuroscience, Dept. of Psychology, University of Milano-Bicocca*

This talk explores the concept of interpersonal resonance and how music serves as a powerful communication tool. It delves into how the brain processes the melodic profile of speech, vocalizations, and instrumental music, as well as investigates whether there are innate and universal aesthetic sensations and psychophysiological reactions to music. The talk covers responses to preferred or pleasurable music, dissonance, frightening music, atonality, sad music, and music structural features. Additionally, it questions whether music can clearly convey precise semantic and affective information. This discussion offers an insightful exploration into the emotional and cognitive impact of music on individuals.