

**HOW DO WE LEARN? WHAT DO WE PERCEIVE?
MUSIC LEARNING AND BRAIN RESEARCH**

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The paper intends to introduce some general foundations of music perception and cognition and how this might contribute to the development of new teaching methods based on findings from brain research. First, we will approach these questions by looking at the neuro-physiological foundations of sensual (mainly visual and aural) perception and intellectual cognition. New brain imaging technologies provide us with all-embracing comprehensive information about perceptive traits. Secondly, we will discuss how this knowledge relates to education and to methodical aspects of teaching and learning. How can brain research guide the organization of teaching strategies appropriate to music education in general? So far, brain research is able to provide valuable insight into basic structures of neural information processing and its application to teaching and learning.