Paper ID: 1570940400

Paper Title: Common Mechanism Underlying Multimodal Integration

Authors: Hexin Xu (Tokyo University, Japan); Amit Yaron (University of Tokyo, Japan); Tomoyo Isoguchi Shiramatsu and Hirokazu Takahashi (The University of Tokyo, Japan)

Email: xuhexin08@g.ecc.u-tokyo.ac.jp

Abstract

Multisensory illusions are powerful tools for the understanding of how the human brain integrates multisensory information. In this study, we changed the direction of the multisensory effect by modulating the detectability of auditory stimulus. By measuring the intensity of illusion, we discovered an intriguing individual variation in multisensory illusion, and we further discussed the various hypotheses regarding the factors influencing multimodal integration.