

The Beat and Beyond: Unveiling the Roots, Development, and Applications of Human Musical Rhythm

Tuesday, September 24, 2024 3:30 PM (1h 30m)

From tapping our foot while we listen to our preferred music to coordinating movements with others, rhythm plays a vital role in our lives. This symposium offers a multifaceted exploration of rhythm perception and performance, examining its evolutionary origins (phylogeny), development throughout life (ontogeny), and potential for clinical applications. Andrea Ravignani (Sapienza University of Rome) explores the evolutionary roots of rhythm, examining leading hypotheses and how studying rhythm in non-human animals can provide clues about our own rhythmic heritage. Martina Arioli (University of Milano-Bicocca) sheds light on the surprising early roots of rhythm perception, demonstrating that newborns are sensitive to rhythm and that prenatal exposure to rhythmic stimulation can enhance their attentional skills. Carlotta Lega (University of Pavia) examines how individual differences in musical reward sensitivity, intrinsic properties of musical stimuli and musical pleasure together shape individual rhythmic skills as well as interpersonal synchronization abilities. Alice Cancer (Università Cattolica del Sacro Cuore, Milan) delves into the world of rhythm-based interventions. Her study investigates the effectiveness of a program designed to improve reading skills in children with dyslexia, demonstrating promising results in both face-to-face and tele-rehabilitation settings. By bringing together different perspectives, the symposium seeks to present a multifaceted understanding of human rhythmic abilities, showcasing its significance in our perception, development and evolutionary history. Presenting complementary methodologies and approaches, this symposium will offer challenging perspectives on musical perception and musical production, providing new insight into the origin of human musicality.

If you're submitting a poster, would you be interested in giving a blitz talk?

If you're submitting a symposium talk, what's the symposium title?

If you're submitting a symposium, or a talk that is part of a symposium, is this a junior symposium?

No

Primary authors: LEGA, Carlotta (University of Pavia); Dr CANCER, Alice (Università Cattolica del Sacro Cuore, Milan); Prof. RAVIGNANI, Andrea; Dr ARIOLI, Martina (University of Milano-Bicocca)

Presenters: LEGA, Carlotta (University of Pavia); Dr CANCER, Alice (Università Cattolica del Sacro Cuore, Milan); Prof. RAVIGNANI, Andrea; Dr ARIOLI, Martina (University of Milano-Bicocca)

Session Classification: Symposia