



Neurology Grand Rounds

March 19, 2025

Michael Tsan Ty Memorial Lecture

Advances and New Perspectives on Applied Auditory
Music Neuroscience and Neurologic Music Therapy in
Neurorehabilitation



Michael H. Thaut, Ph.D.

Professor, Faculty of Music, Faculty of Medicine, Institute of Medical Sciences,
Rehabilitation Science Institute

Director, Music and Health Science Research Collaborative and Graduate Programs,
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Collaborator Scientist, CAMH Neuroimaging
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Dr. Michael H. Thaut is an internationally recognized leader in the field of auditory and music neuroscience, with groundbreaking research in music and rhythm-based interventions for brain rehabilitation. As a Professor at the University of Toronto, Dr. Thaut holds cross-appointments in Rehabilitation Science, Medical Science, and Neuroscience. He is also Director of the Music and Health Science Research Center (MAHRC) and the Music and Health Science Graduate Programs.

Dr. Thaut's expertise spans multiple disciplines, including music, neuroscience, and rehabilitation, and he has over 300 scientific publications. He co-edited the *Oxford Handbook of Music Psychology* and *The Oxford Handbook of Music and the Brain*. His research team helped develop Neurologic Music Therapy (NMT), a globally recognized, evidence-based therapeutic approach used for rehabilitation in motor, speech, and cognitive disorders. NMT is now practiced by certified clinicians in over 70 countries worldwide.

Dr. Thaut's extensive academic career includes positions at Colorado State University, the University of Michigan, and Heidelberg University, among others. He is also an accomplished musician and former professional violinist.

[Learn more about the Ty Memorial Lecture](#)

Date: Wednesday, March 19, 2025

Time: 12:00–1:00PM

Location: Bigelow Theater, MGH, White 4-418, MGH

Zoom: <https://partners.zoom.us/j/87605957829?pwd=abu9tF3JhSg8WSYLGpINdpHHVqeLN4.1>

Passcode: 031925

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