

INTERNATIONAL NEUROLOGIC MUSIC THERAPY TRAINING INSTITUTE

Academy training in NMT is recognized by the World Federation for Neurologic Rehabilitation (WFNR) and the International Society of Clinical Neuromusicology (CNM). Members of CNM and the WFNR's special interest group for NMT are conducting the academy training.

November 3 – November 6, 2012

8:00 am – 12:00 am

Session Type: Special Training

36 CMTE Credits

COURSE CURRICULUM

- **Scientific Foundations of NMT**
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- **Neuropathology/ Disease Review**
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- **Sensorimotor Techniques:**
 - Rhythmic Auditory Stimulation
 - Pattern Sensory Enhancement
 - Therapeutic Instrumental Playing
- **Speech Techniques:**
 - Melodic Intonation Therapy
 - Musical Speech Stimulation
 - Rhythmic Speech Cueing
 - Vocal Intonation Therapy
 - Therapeutic Singing
 - Oral Motor and Respiratory Exercises
 - Developmental Speech and Language Training through Music
 - Symbolic Communication Training through Music
- **Cognitive Techniques:**
 - Music Neglect Training
 - Auditory perception Training
 - Musical Attention Control Training
 - Musical Mnemonics Training
 - Associative Mood and Memory Training
 - Musical Executive Functions Training
 - Music Psychosocial Trainin

Schedule

Monday

- 8:00-10:00 Introduction to Principles of Neurologic Music Therapy: Scientific Models, Research, and the Role of Music in Therapy and Medicine
- 10:00-12:30 Neuropathology Disease Review
- 12:30-1:30 Lunch
- 1:30-2:00 Transformational Design Model/Assessment
- 2:00-5:30 Speech and Language Rehabilitation

Tuesday

- 8:00-9:30 Speech/Language Clinical Presentations
- 9:30-11:00 Patterned Sensory Enhancement (PSE)
- 11:00-12:30 Therapeutic Instrumental Music Performance (TIMP)
- 12:30-1:30 Lunch
- 1:30-3:00 Sensorimotor Practice Session I (PSE, TIMP)
- 3:00-4:30 Sensorimotor Practice Session II (PSE, TIMP)
- 4:30-5:30 Gait Assessment

Wednesday

- 8:00-9:30 RAS Gait Training
- 9:30-11:00 RAS Practice Session
- 11:00-12:30 Cognitive Rehabilitation
- 12:30-1:30 Lunch
- 1:30-4:00 Cognitive Rehabilitation
- 4:00-5:30 NMT with Developmental Disabilities

Thursday

- 8:00-11:00 Cognitive Rehabilitation
- 11:00-12:00 Final Evaluation

Teaching Faculty:

Dr. Michael H. Thaut

Michael H Thaut received his masters and PhD in music from Michigan State University. He is also a graduate of the Mozarteum Music Conservatory in Salzburg/Austria. At Colorado State University he is a Professor of Music and a Professor of Neuroscience and serves as CoDirector of the School of the Arts and Chairman of the Department of Music, Theater, and Dance since 2001. He has also directed the Center for Biomedical Research in Music for 10 years. He was a Visiting Professor of Music at the Mozarteum in 1985, and a Visiting Professor of Kinesiology at the University of Michigan/Ann Arbor in 1993. He has also been a Visiting Scientist in Neurology at Duesseldorf University Medical School since 1995 and was recently appointed as Visiting Professor at Heidelberg University of Applied Sciences in the Department of Music Therapy. Dr. Thaut's internationally recognized research focuses on brain function in music, especially time information processing in the brain related to rhythmicity and biomedical applications of music to neurologic rehabilitation of cognitive and motor function. He received the National Research Award in 1993 and the National Service Award in 2001 from the American Music Therapy Association. He has over 120 scientific publications and has authored and coauthored 3 books. His works have appeared in German, Japanese, Korean, Italian, and Spanish language. Popular TV media and numerous print media have featured his research nationally and internationally. As a former professional violinist in the classic and folk genre he has recorded several recordings of chamber and folk music in the US and Germany and has toured in Europe extensively with folk bands and chamber groups. He is also the author of a landmark anthology of Northern European and American fiddle music. In 1995 his group 'Folk Chamber Ensemble ' played 3 invited concerts at the Northwest German Summer Music Festival entitled 'Folk Meets Classic'. He continues to perform in small chamber and folk ensembles as time permits.

Dr. Corene P. Hurt-Thaut

Corene P. Hurt-Thaut received her master's in music therapy, and her PhD with an interdisciplinary focus of music, neuroscience and statistical design, from Colorado State University. She is currently a special assistant professor of music therapy in the Department of Music Theatre and Dance at Colorado State University, a research associate at The Center for Biomedical Research in Music since 1997, and the co-founder and program director of the Unkefer Academy for Neurologic Music Therapy International Training Institutes and Fellowship Trainings for Neurologic Music Therapy since 1999. She is nationally and internationally recognized for her clinical expertise in the evidence based practice of Neurologic Music Therapy, with clinical experience including 3 ½ years as a music therapist at Wesley Woods Geriatric Hospital and the Center for Rehabilitation Medicine at Emory University Medical School in Atlanta, and 4 years as a Neurologic Music Therapist at Poudre Valley Hospital and The Center for Neurologic Rehabilitation in Fort Collins, Colorado. Her work has included a diverse

range of clinical populations including: stroke, Parkinson's disease, traumatic brain injury, cerebral palsy, multiple sclerosis, Alzheimer's disease, autism, and psychiatric disorders. She served on the exam committee for the National Certification Board for Music Therapy (CBMT) as both a member and Committee Chair from 2001-2006, and as an elected member of the CBMT National Board of Directors from 2009-2013. She has also served as President and Vice President of the Midwestern Region of American Music Therapy Association. Dr. Hurt-Thaut has numerous research publications in the area of music and motor control as well as ten book chapters highlighting specific applications of neurologic music therapy to her credit.

Gerald C. McIntosh, MD

Dr. Gerald McIntosh, a neurologist and neurorehabilitation specialist, serves as the medical director for the Center for Biomedical Research. Dr. McIntosh currently has his own practice, Neurology Associates of Northern Colorado and is also affiliated with many local hospitals and clinics, including the Center for Neurorehabilitation Services, Poudre Valley Hospital, Medical Center of the Rockies and Northern Colorado Rehabilitation Hospital. Dr. McIntosh has published over 45 studies, several of which have been done in conjunction with the Center for Biomedical Research. In addition, Dr. McIntosh has served as an Ad Hoc Reviewer for the journal *Neurology* on multiple occasions and has been a clinical assistant professor at the University of Colorado in both neurology and family medicine.

Amy D. Marroquin

Amy D. Marroquin graduated cum laude, from Sam Houston State University with a degree in music therapy in 1995. She is a Board Certified Music Therapist and a member of the American Music Therapy Association. She received her advanced fellowship training in Neurologic Music Therapy (NMT) at *The Center for Biomedical Research in Music*, maintained at Colorado State University. She was also trained as a Certified Brain Injury Specialist through the Brain Injury Association of America. Amy has worked as a music therapist at TIRR Memorial Hermann for the past 15 years, 14 of those years as a trained Neurologic Music Therapist. For the past 12 years she has also acted as the Internship Director for the American Music Therapy Association's National Roster Music Therapy Internship Program at TIRR Memorial Hermann. At TIRR she not only carries a full caseload, but is currently involved in 2 clinical research projects, and is active in the Motor Recovery Lab, which is led by Dr. Gerard Francisco, CMO, TIRR Memorial Hermann. Amy has presented locally, nationally, and internationally regarding the use of NMT in the rehabilitation setting, including presentations at professional conferences for Speech Language Pathology at American Speech and Hearing Assoc. Nov. 2011 and Physical Therapy at Texas Physical Therapy Assoc. in Oct. 2006. In March 2013 she was invited, along with several colleagues, to lead a 4 day master works course for the music therapy students and faculty at University of Montpellier in Montpellier, France.

Maegan Morrow

Maegan Morrow graduated from Sam Houston State University and received her advanced fellowship training in Neurologic Music Therapy at the *Robert F. Unkefer Academy of Neurologic Music Therapy*. She is a Board Certified Music Therapist and member of the American Music Therapy Association, and currently works at TIRR/Memorial Hermann. She is also a Certified Brain Injury Specialist and has spent most of her career with the Brain Injury and Stroke population in Physical Medicine and Rehabilitation. She is also an internship supervisor on the National Roster of Internship sites under the American Music Therapy Association (AMTA). She has been practicing for 12 years as a clinician as well as being a performing artist and guitar teacher. She is well known for her work with the recent patient and congresswoman at TIRR Memorial Hermann, and has been featured in the media including: Dr. Sanjay Gupta's medical interviews on CNN, Newsweek, USA Today, and on the Grammys.com, ABC Nightline with Bob Woodruff and Diane Sawyer.

Suzanne Oliver

Suzanne Oliver is a Board Certified Music Therapist, and a Fellow of the Academy of Neurologic Music Therapy. She is the Founder and Executive Director of Neurologic Music Therapy Services of Arizona/NMTSA, a nonprofit organization that has provided clinical music therapy services to the Phoenix community for over 32 years. Suzanne received her advanced level NMT training in 1999, and additionally has completed three fellowships through the Center for Biomedical Research in Music since that time. Suzanne assisted in developing the Unkefer Academy for Neurologic Music Therapists and co-authored the *Medical Coding and Records Manual: Neurologic Music Therapy*. She is currently on the Advisory Committee for the Academy. Her passion is to educate the community on current research regarding the impact of rhythm on the brain and how this knowledge can positively impact the treatment of individuals with neurologic differences and improve their everyday life.

Ruth Rice, DPT

Ruth Rice, Physical Therapist, has been involved with research on the effects of rhythm and music for neurological rehabilitation techniques for the last 20 years, and has also been a clinician treating orthopedic and neurological diagnoses for the last 22 years. Ruth received her Master's degree in Physical Therapy in 1988 and a Doctorate in Physical Therapy in 2008. She has been a clinician at Poudre Valley Hospital in Fort Collins for the last 20 years and also is an instructor/facilitator for 3 Neurologic Music Therapy community exercise groups per week, she also continues with research projects with the Center for Biomedical Research in Music at Colorado States University.

*This 30-hour Institute will provide the board-certified music therapist with 36 CMTE credits that can be applied towards recertification. Your certificate of completion can be submitted as proof of your attendance and participation.

