

Grace Leslie
Assistant Professor of Music
ATLAS Institute
University of Colorado Boulder

I. Earned Degrees

- Ph. D. 2013 University of California, San Diego
Music and Cognitive Science
Advisors: Miller Puckette and Scott Makeig
Committee: Steven Schick, Diana Deutsch, Charles Curtis
- M. A. 2005 Stanford University
Music, Science and Technology
- B. A. 2005 Stanford University
Music, Science and Technology
with Departmental Honors

II. Employment History

University of Colorado Boulder, Assistant Professor of Music, 2022 – present.

Georgia Institute of Technology, Assistant Professor of Music Technology, 2018 – 2022.

Dartmouth College, Fellow, Neukom Institute for Interdisciplinary Computation, 2017 – 2018.

Tufts University, Adjunct Professor, 2017.

Massachusetts Institute of Technology and Singapore University of Technology and Design:
Postdoctoral Fellow, 2014-2016.

IRCAM (Institut de Recherche et Coordination Acoustique/Music), Paris, France, Researcher,
2008-2009.

III. Selected Publications

Grace Leslie, “Composing at the Border of Experimental Music and Music Experiment.” In Margulis, L. Et al (eds.) *The Science-Music Borderlands: Reckoning with the Past and Imagining the Future*. Cambridge: MIT Press, 2023. (In press)

Robert Quon, Michael Casey, Edward Camp, Stephen Meisenhelter, Sarah Steimel, Yichen Song, Markus Testorf, Grace Leslie, Krzysztof Bujarski, Alan Ettinger, Barbara Jobst. Musical components important for the Mozart K448 effect in epilepsy. *Scientific Reports* 11(1), 2021, 16490.

Robert Quon, Grace Leslie, Edward Camp, Stephen Meisenhelter, Sarah Steimel, Yichen Song, Alan Ettinger, Krzysztof Bujarski KA, Michael Casey, Barbara Jobst. 40-Hz auditory

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stimulation for intracranial interictal activity: A pilot study. *Acta Neurologica Scandinavica* 144(2), 2021, p192-201.

Grace Leslie. Inner Rhythms: Vessels as a Sustained Brain-Body Performance Practice. *Leonardo* 54(3), 2021, p325–328.

Elaine Chew, Psyche Loui, Grace Leslie, Caroline Palmer, Jonathan Berger, Edward W. Large, Nicolò F. Bernardi, Suzanne Hanser, Julian F. Thayer, Michael A. Casey, Pier D. Lambiase. “How Music Can Literally Heal the Heart.” *Scientific American*, September 18, 2021. (<https://www.scientificamerican.com/article/how-music-can-literally-heal-the-heart/>)

R. Michael Winters, Bruce N. Walker, and Grace Leslie. Can You Hear My Heartbeat?: Hearing an Expressive Biosignal Elicits Empathy. In CHI Conference on Human Factors in Computing Systems (CHI '21), May 8–13, 2021, Yokohama, Japan.

Ashvala Vinay, Alexander Lerch, Grace Leslie. (2021) “Mind the Beat: Detecting Audio Onsets from EEG Recordings of Music Listening.” In International Conference on Acoustics, Speech, & Signal Processing (ICASSP '21), June 6-11, 2021, Toronto, ON, Canada.

Grace Leslie, “Vessels: Being as Material.” In Boucher, M. Et al (eds.) *Being Material*. Cambridge: MIT Press, 2019.

Grace Leslie, Asma Ghandeharioun, Diane Zhou & Picard, R. W. (2019). Engineering Music to Slow Breathing and Invite Relaxed Physiology. 8th International Conference on Affective Computing and Intelligent Interaction (ACII '19), September 3-9, 2019, Cambridge, UK.

Anton Nijholt, Robert J. K. Jacob, Marvin Andujar, Beste F. Yuksel, and Grace Leslie. Brain-Computer Interfaces for Artistic Expression. In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems (CHI EA '18), April 21-26, 2018, Montreal, QC, Canada.