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PASSPORT TO THE PARK

SAT | APR 4 | 12PM

Klyde Warren Park

FREE - mydso.com/SOLUNA

Join us for an interactive and family-friendly day of free, culturally diverse performances and activities at Klyde Warren Park. This year's line-up includes Ethiopian singer Meklit and Native American dancer and hip hop artist Supaman.

FP

MUSIC AND THE BRAIN

SUN | APR 5 | 5PM

Moody Performance Hall

BUY - mydso.com/SOLUNA



DALLAS SYMPHONY ASSOCIATION
UT SOUTHWESTERN
PETER O'DONNELL JR.
BRAIN INSTITUTE

In its sixth year, this symposium will feature world-renowned brain scientists, clinicians and speakers coming together to discuss music through storytelling. Discover the power of music across the world through the lens of neuroscience featuring moderator Dr. Mark Goldberg and Drs. Elizabeth Davenport, Nolan Gasser, Nina Kraus, Joseph Maldjian and W.F. Strong.



FP

A MUSICIAN'S VIEW

MON | APR 6 | 7PM

Morton H. Meyerson Symphony Center

BUY - mydso.com/SOLUNA



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**MEMBERS OF THE
DALLAS SYMPHONY ORCHESTRA**

Join members of the DSO on stage for a program of chamber works curated by DSO Composer-in-Residence* Julia Wolfe followed by a champagne toast in the lobby.

**The DSO Composer-in-Residence program is a recipient of a grant from the TACA Artist Residency Fund.*

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MUSIC AND THE BRAIN

APR 5 | SUN | 5PM

MOODY PERFORMANCE HALL

THANK YOU TO THE MUSIC AND THE BRAIN
PRESENTING SPONSOR:



THE
Hersh
FOUNDATION

OPENING REMARKS

MARK GOLDBERG, M.D.

Professor of Neurology and Associate Vice President,
UT Southwestern Peter O'Donnell Jr. Brain Institute

COLD WAR WARRIOR

W.F. STRONG

Professor of Communication and Culture,
University of Texas - Rio Grande Valley

THE BRAIN TELLS THE STORY OF OUR LIVES IN SOUND: SPOTLIGHT ON MUSIC AND ATHLETICS

NINA KRAUS, PH.D.

Hugh Knowles Professor of Communication Sciences,
Neurobiology and Otolaryngology, Northwestern University

INTERMISSION

THE MIND OF A MUSICIAN

ELIZABETH DAVENPORT, PH.D.

Assistant Professor and MEG Scientist, UT Southwestern Medical Center

JOSEPH MALDJIAN, M.D.

Professor of Radiology, UT Southwestern Medical Center
(Lee R. and Charlene B. Raymond Distinguished Chair in Brain Research)

BRUCE WITTRIG

Violin, Dallas Symphony Orchestra

START MAKING SENSE: MUSIC AND HIGHER-LEVEL BRAIN PROCESSING

NOLAN GASSER, PH.D.

Composer, pianist and musicologist

CLOSING REMARKS

KIM NOLTEMY

Ross Perot President & CEO, Dallas Symphony Association

SPEAKER AND MUSICIAN BIOS

ELIZABETH DAVENPORT, Ph.D.

Dr. Elizabeth Davenport is an Assistant Professor and MEG Scientist at University of Texas Southwestern. She obtained her Ph.D. in biomedical engineering from Wake Forest University in North Carolina. Davenport uses Magnetoencephalography (mag-ne-toe-en-sef-a-log-ruff-ee), or MEG, to image brain function on the millisecond time scale. Clinically, she uses this technology to perform brain mapping prior to surgery for epilepsy or brain tumors. She is also researching new ways to use the technology including early detection of Alzheimer's disease and diagnosis of concussion. She learned to play the piano at a young age and, while she never became musically talented, she loves music and attributes her math skills to her music education.

NOLAN GASSER, Ph.D.

Nolan Gasser is a critically acclaimed composer, pianist and musicologist – notably, the architect of Pandora Radio's Music Genome Project. He holds a Ph.D. in Musicology from Stanford University. His original compositions have been performed at Carnegie Hall, and Lincoln Center, among other prestigious venues. Theatrical projects include the musicals *Benny & Joon* and *Start Me Up* and the opera *The Secret Garden*. His book, *Why You Like It: The Science and Culture of Musical Taste* (Macmillan), was released to critical acclaim in May 2019. Nolan's rock/world CD *Border Crossing* will be released in early 2020. His TEDx talk, "Empowering Your Musical Taste" is available on YouTube.

MARK GOLDBERG, M.D.

Mark Goldberg is a Professor of Neurology and Associate Vice President in the Peter O'Donnell Jr. Brain Institute. He received his training at Harvard, Columbia and Stanford Universities and has been at UT Southwestern Medical Center since 2010. Dr. Goldberg's research focuses on the brain's remarkable ability to form new connections after injury, such as stroke and trauma. Bringing a special interest in science outreach, but no musical talent, Dr. Goldberg has greatly valued the opportunity to collaborate with the Dallas Symphony Orchestra as moderator of the Music and the Brain program since its inception in 2015.

NINA KRAUS, Ph.D.

Nina Kraus is Hugh Knowles Professor of Communication Sciences, Neurobiology and Otolaryngology at Northwestern University. She is a scientist, inventor and amateur musician who uses hearing as a window into brain health. She began her career measuring responses from single auditory neurons and was one of the first to show that the adult nervous system has the potential for reorganization with learning; these insights in basic biology galvanized her to investigate sound processing in the brain in humans.