MEDIA ADVISORY
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CONTACT: Jillian Scales
617.667.1527 or jscales@longwoodsymphony.org

CROSSING THE CORPUS CALLOSUM II: NEUROSCIENCE, HEALING & MUSIC
Longwood Symphony Orchestra Presents Public Symposium, January 29, 2011

How does music shape the developing brain? How can music aid recovery from neurological disorders? Can music be a way to overcome limitations and enhance function for individuals with autism? These questions and more will be explored in a day-long symposium on neuroscience, healing and music at Harvard University. Hosted by Longwood Symphony Orchestra, the non-profit orchestra of Boston's medical community, and The Laboratory at Harvard, a new forum and platform for idea experimentation in the arts and sciences at Harvard University, the symposium will explore the intersection between music, science, and medicine through a series of talks, panel discussion, musical performances, and networking.

The schedule will include expert lectures on music, brain development, and rehabilitation, a discussion panel on music and autism, and chamber music performed by members of the Longwood Symphony Orchestra.

- The Symposium’s Keynote Address will be delivered by Gottfried Schlaug, M.D. Ph.D., Director of Music and Neuroimaging lab at Beth Israel Deaconess Medical Center and Harvard Medical School, who will speak about the effects of music on brain development and rehabilitation.
- Nina Kraus, Ph.D., Northwestern University, will speak on using music for the development of listening and learning skills.
- Nadine Gaab, Ph.D., Children’s Hospital Boston and Harvard Medical School, will speak on the influences of musical training on language processing and executive functioning in children.
- Laurel J. Trainor, Ph.D., McMaster University, will speak on music perception in the infant brain.
- Arthur Bloom, founder of Renovation in Music Education (RIME), will speak on using music as a rehabilitative tool for veterans suffering from traumatic injuries.
- A panel on the application of music for autism will include Ann Roberts, Ph.D. (Boston Higashi School), Catherine Wan, Ph.D. (Beth Israel Deaconess Medical Center and Harvard Medical School), and Nicholas Lange, Sc.D. (McLean Hospital, Harvard Medical School / Harvard School of Public Health).
In addition to the major speakers, researchers from many labs and disciplines will share their work through a scientific poster presentation.

This event follows the success of LSO's 2009 *Crossing the Corpus Callosum I*, which was praised as “a well thought-out selection of programs demonstrating the collaboration of medicine and the arts" and “an excellent presentation of an imaginative idea.”

**Crossing the Corpus Callosum II** is sponsored in part by Tufts Health Plan, Massachusetts Medical Society, Hotel Marlowe and the Massachusetts Cultural Council.

**WHO:** Longwood Symphony Orchestra and The Laboratory at Harvard present a symposium on music and healing.

**WHAT:** Symposium: *Crossing the Corpus Callosum II: Neuroscience, Healing & Music*

**WHEN:** Saturday, January 29, 2011, 9am-5pm

**WHERE:** The Laboratory, Northwest Building
Harvard University
52 Oxford Street
Cambridge, MA 02138

**COST:** Registration includes refreshments
$50 Adults
$25 (Students with School ID)
On-site Registration - $60 Adults/ $30 Students with School ID
[www.longwoodsymphony.org](http://www.longwoodsymphony.org) or by phone at 617.667.1527

**MEDIA NOTES**
- Dr. Lisa Wong, LSO president; Professor David Edwards, founder of Artscience Labs; and Dr. Suelin Chen, Director of The Laboratory at Harvard, are available for interview prior to the event.
- For interviews or to RSVP, contact Jillian Scales at jscales@longwoodsymphony.org or 617.667.1527.
ABOUT THE ORGANIZERS

LONGWOOD SYMPHONY ORCHESTRA

Established in 1982, Longwood Symphony Orchestra is a distinctive organization in Boston’s cultural landscape recognized for its musical quality, innovative programming, and unique business model of community engagement. Positioned at the crossroads between the arts and the sciences, the orchestra’s membership is composed mainly of health-care professionals, including doctors, medical students, research scientists, nurses, therapists, and other caregivers. For 28 years, the orchestra has performed at New England Conservatory’s Jordan Hall to a varied audience including members of Boston’s medical community, community leaders, and classical music lovers.

Longwood Symphony Orchestra’s three major programs combine music, medicine and service to Heal the Community through Music.

- **Healing Art of Music™ program:** Established in 1991, LSO’s award-winning program is designed to help raise awareness and funds for the community’s medically underserved by partnering with health-related nonprofits. To date, LSO has collaborated with 37 Community Partners, raised over $900,000, and touched the lives of thousands of patients and clients. In 2007, LSO received the Excellence in Community Engagement Award from the League of American Orchestras for this unique program.

- **LSO on Call** is a chamber music outreach initiative that brings music directly to those who can no longer attend concerts. LSO chamber musicians perform monthly concerts in hospital wards, rehabilitation centers, and health care facilities. This program brings healing music to patients, healthcare staff, and to the healer musicians themselves.

- **LSO Community Conversations** is a series of lectures and symposia on the dialogue between the arts and sciences. Topics have included the role of the arts in global AIDS and role of creativity in addressing domestic violence, on International Women’s Day. In 2008, LSO traveled to London for performances and lectures on Innovations in Cancer Care. In 2009, LSO’s Crossing the Corpus Callosum: Neuroscience, Healing and the Arts drew experts, artists and physicians from six states and ten academic institutions. Longwood Symphony Orchestra will present Crossing the Corpus Callosum II in January 2011 at Harvard University.

Longwood Symphony Orchestra presents a comprehensive model of artistic vision and service. LSO received the 2007 MetLife Award for Excellence in Community Engagement from the League of American Orchestras and today continues to set an example for community engagement nationwide.

For more information about Longwood Symphony Orchestra, visit our website [www.longwoodsymphony.org](http://www.longwoodsymphony.org) or call 617-667-1527.

THE LABORATORY AT HARVARD

The Laboratory at Harvard is a new platform for idea experimentation in the arts and sciences at Harvard University. The Lab serves as an exhibition and meeting space for idea development within and between the arts and sciences, and provides a forum for student, interfaculty, and public creative expression and dialogue. For more information, visit [http://thelaboratory.harvard.edu](http://thelaboratory.harvard.edu).
Crossing the Corpus Callosum II: Neuroscience, Healing, and Music  
A symposium hosted by Longwood Symphony Orchestra and The Laboratory at Harvard  
Saturday, January 29, 2011, 9AM-5PM  
At The Laboratory, Northwest Building, Harvard University

**Symposium Program**

**9:00 am**  Registration and breakfast

**9:30 am**  Introduction and welcome  
Lisa Wong, MD, Milton Pediatrics and Harvard Medical School, Longwood Symphony Orchestra

**10am – 12pm**  Session I: Music and brain development  
Chair: Psyche Loui, PhD, Beth Israel Deaconess Medical Center and Harvard Medical School, Longwood Symphony Orchestra

10:00 am  Nadine Gaab, PhD, Children’s Hospital Boston and Harvard Medical School  
“Influences of musical training on language processing and executive functioning in typical and atypical developing children”

10:40 am  Nina Kraus, PhD, Northwestern University  
“Music for the development of listening and learning skills”

11:20 am  Laurel J. Trainor, PhD, McMaster University  
“Making music with infants: Benefits for cognitive, social and emotional development”

**12:00 pm**  Lunch  
Chamber music performances by members of the Longwood Symphony Orchestra

**1pm – 2:45 pm**  Session II: Music and rehabilitation  
Chair: Michael Barnett, Harvard Medical School, Longwood Symphony Orchestra

1:05 pm  Introduction of keynote speaker: Psyche Loui, PhD  
Keynote speaker:  
Gottfried Schlaug, MD PhD, Beth Israel Deaconess Medical Center and Harvard Medical School  
“Effects of music on brain rehabilitation”

2:05 pm  Arthur Bloom, Renovation in Music Education (RiME)  

**2:45 pm**  Coffee break

**3pm – 4:00 pm**  Session III: What can music do for individuals with autism? A panel discussion  
Moderator: Andrea E. Spencer, MD, Massachusetts General Hospital, McLean Hospital, and Longwood Symphony Orchestra

Panelists:  
Ann Roberts, Ph.D., Boston Higashi School for Individuals with Autism  
Nicholas Lange, ScD, McLean Hospital, Harvard Medical School / Harvard School of Public Health  
Catherine Wan, PhD, Beth Israel Deaconess Medical Center and Harvard Medical School

**4pm – 5:00 pm**  Session IV: Poster session

**REGISTRATION:**  $50 Adults/ $25 Students with School ID  
Visit [www.longwoodsymphony.org](http://www.longwoodsymphony.org) to purchase tickets.