San Diego Symphony
 Jacobs Music Center
 www.sandiegosymphony.org

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Special added concert
 Music in Mind: Beethoven’s Sensual Pastorale

Multimedia presentation includes San Diego Symphony along with guest speakers discussing topics such as ‘how music provides a window to the human brain’

On Saturday, February 20 at 7:30pm, San Diego Symphony offers a special performance titled, Music in Mind: Beethoven’s Sensual Pastorale, a work described by the composer as “more the expression of feeling than painting.” San Diego Symphony welcomes the public to this concert along with the Association for Research in Otolaryngology (ARO) conference attendees. In addition to the performance by the San Diego Symphony, the evening also offers two special guest lecturers prior to the start of the concert: Dr. Charles Limb and Nina Kraus, Ph.D., both of whom will explore the following topics and questions:

- What is music?
- How music provides a widow to the human brain.
- How music helps to shape auditory processing?
- Jazz improvisation and spontaneous creativity
- Hearing loss impacting perception of music and the effects on quality of life
- Beethoven and hearing loss

Dr. Charles Limb is the Francis A. Sooy Professor of Otolaryngology-Head and Neck Surgery and the Chief of the Division of Otology, Neurotology and Skull Base Surgery at UC San Francisco. He is also the director of the Douglas Grant Cochlear Implant Center at UCSF and holds a joint appointment in the department of neurosurgery. His current areas of research focus on the study of the neural basis of musical creativity as well as the study of music perception in deaf individuals with cochlear implants.

Nina Kraus, Ph.D., is a scientist, inventor and amateur musician who studies the biology of auditory learning. She has found that experience shapes the hearing brain over time for better (such as through music training, hearing technologies) or worse (listening and language disorders, aging). These brain changes have salient impacts on learning and communication.
Kraus’s work is rooted in translational issues, working to bring scientific understanding and new
technologies into clinical and educational settings.

Trumpeter Gilbert Castellanos, who is also curator of San Diego Symphony’s popular Jazz @
The Jacobs, will perform at this concert. Together, both musician and scientist will show
audience that music is the most complex form of sound in the world and an essential
component of the human experience. For the scientific community, this program will also show
how music may hold the key to our understanding of high-level hearing for scientists,
researchers, physicians, and patients with hearing impairment.

Steven Schick, a special guest in the opening lecture portion of this concert, has championed
contemporary music by commissioning or premiering more than one hundred-fifty new works.
Schick is music director of the La Jolla Symphony and Chorus and artistic director of the San
Francisco Contemporary Music Players. He was also music director of the 2015 Ojai Festival.

Sameer Patel, San Diego Symphony’s assistant conductor, will lead the orchestra.

For tickets, $20-$65, please contact the box office at 619.235.0804 or visit San Diego
Symphony’s website at www.sandiegosymphony.org.

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Music in Mind: Beethoven’s Sensual *Pastorale*

San Diego Symphony
Sameer Patel, conductor
Gilbert Castellanos, trumpet
Guest Speakers:
Dr. Charles Limb
Dr. Nina Kraus
Special Guest:
Steven Schick

Saturday, February 20, 2016
7:30pm

Jacobs Music Center – Copley Symphony Hall
750 B Street
San Diego, CA 92101

Tickets: $20-$65
Box Office: 619.235.0804
Website: www.sandiegosymphony.org
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