



## Music, Science, and Innovation Take Center Stage in MIM's New Gallery

*Explore the science behind music and musical instruments*

Have you ever thought about why a guitar and a banjo sound different, even when they are playing the same note? Or have you wondered how various instruments produce sound? MIM explores the science behind these questions and more in a new gallery called "How Science Brings Music to Life."

Building on the success of the museum's most popular field trip, multiple displays within the new gallery explore the themes of sound creation, technological innovation, the human ear, hearing safety, and much more. While "How Science Brings Music to Life" will be an important part of guided field trips for students, it will also allow guests of all ages to learn about the science behind some of their favorite instruments and how we as human beings experience sound.

Highlights include slow-motion and Schlieren video footage of musical instrument vibrations, including selections courtesy of the Toronto Symphony Orchestra; a whimsical study of the distinctive "voice" or timbre of different instruments; an interactive "Jolene" mannequin that guests can demo to learn more about sound levels and hearing safety; a deconstructed Stratocaster electric guitar showing innovation in this iconic instrument's construction; and musical instruments from around the world that highlight various means of sound production, including electronic instruments used in digital music creation.

MIM collaborated with experts from 3M, the interactive learning company ansrsource, and the Dangerous Decibels® project to create original content for the gallery. The museum is eager to welcome guests to explore this engaging

### FOLLOW MIM PHX

 [Facebook](#)

 [Twitter](#)

 [YouTube](#)

 [Pinterest](#)

 [Trip Advisor](#)

### MIM ELSEWHERE

[MIM.org](#)

[MIM Music Theater](#)

[MIM Online Store](#)

[Café Allegro](#)

### CONCERT ALERT!

August 31  
[Ottmar Liebert](#)

September 1  
[Radney Foster](#)

September 2  
[David Cook](#)

September 4  
[Carbon Leaf](#)

September 7  
[Kaki King and Derek Gripper](#)

September 9  
[Eliane Elias](#)

September 16  
[Southern Avenue](#)

September 17  
[GoGo Penguin](#)

September 20

space and discover music in new and stimulating ways.

“Science, technology, engineering, and math (STEM) subjects are so important in education today,” says Brian Dredla, MIM’s director of education and public programs. “It’s exciting to offer a peek into the science behind an art form. This can make you love music—or science—even more! MIM is always trying something new and we really hope this gallery will get people asking questions and appreciating music in new ways.”



### [Plan Your Visit to MIM](#)

[Pascuala Ilabaca y Fauna](#)

September 21  
[Leyla McCalla](#)

September 22  
[The Accidentals](#)

September 23  
[Samantha Fish](#)

September 24  
[Iberi](#)

[View all concerts >](#)

Join our concert  
e-mail list!



## Experience India at MIM

*A celebration of Indian music and culture*

On [Saturday, September 2](#), and [Sunday, September 3](#), join our annual celebration of the music and culture of India!

Witness the grace of classical *bharata-nāṭyam* dance of southern India performed by students from the dance school Silambam Phoenix. Guests can dive deeper into this style of dance and learn some new moves at a workshop taught by advanced student instructors from the dance school. Later in the afternoon, enjoy a performance by the Padma School of Odissi Dance.

Musicians Seema Gulati and Jyoti Prakash will delight guests with a sitar and tabla performance. Guests can also discover Carnatic music, the classical style from South India, during a performance by talented musician Dr. Sheila Sudhakar and her *veena* (also spelled *vīṇā*) ensemble.



## Playing For Change Day

*Uniting communities through music*

Music lovers around the world will gather to support music education and social action on Saturday, September 23, as part of the Seventh Annual Playing For Change Day. MIM is proud to participate in this year’s global event.

Playing For Change Day was created in 2011 to unite

On Saturday only, take part in family-friendly music making at an Indian drumming activity led by [Girl Scout Junior Museum Guides](#), or join junior guides as they lead short, informative tours of the Asia Gallery, with a special focus on the India displays.

Get a beautiful henna body-art design from local artist Neelam Sandesara of the Henna Shoppe. Don't worry, this natural, brown-tinted dye is only temporary!

*Sponsored by APS and The Ravi Shankar Foundation*

### The Ravi Shankar Foundation



 **aps** Peace Through Music

*Supported by the India Association of Phoenix*

communities through musical arts, while raising awareness and resources for educational programs worldwide. It has expanded over the years to include more than three hundred synchronized events in over fifty countries on six continents.

On September 23, musicians and fans will gather for performances, including live-streamed events, in public spaces, community centers, theaters, and schools, in a single, unified expression of positive change.

Blues singer [Samantha Fish](#) will be performing at the MIM Music Theater on Playing For Change Day. Fish won Best New Artist for her album *Runway* at the 2012 Blues Music Awards in Memphis, Tennessee, and continues to rise as an artist on the blues scene. At the show, guests will be able to learn more about Playing For Change Day and the Playing For Change Foundation.

 

[Purchase Tickets](#)



 Like  Tweet

[Event Details](#)

## Noteworthy

### New Concerts Just Announced

The following concerts will go on sale this week: [MIM Musical Interludes Series featuring ASU Brass Faculty](#) on September 27, 2017; [MIM Musical Interludes Series: "Metal Music" featuring the B1 Duo](#) on October 25, 2017; [The Steel Wheels](#) on November 6, 2017; [MIM Musical Interludes Series: "Violin Extraordinaire" featuring the violin studio of Danwen Jiang](#) on November 29, 2017; and [Timothy B. Schmit](#) on December 16 & 17, 2017. Tickets will go on sale to members who give \$250+ annually on Tuesday, August 29 at noon. Tickets will go on sale to the public on Thursday, August 31 at 10:00 a.m. Members who give \$500+ annually receive 10% off concert tickets.

## UPCOMING EVENTS

[View All Events](#)



### [Ottmar Liebert and Luna Negra](#)

Thursday, August 31  
9:00 p.m.

\$43.50–\$48.50

Five-time Grammy-winning guitarist who blends sensual, melodic flamenco textures with influences from pop, jazz, and rock.



[Purchase Tickets](#)



### [Radney Foster](#)

Friday, September 1  
7:30 p.m.

\$33.50–\$38.50

Throughout his thirty-year career, legendary singer-songwriter Radney Foster has continuously stretched the boundaries of Americana music.



[Purchase Tickets](#)



### [Carbon Leaf](#)

Monday, September 4  
7:00 p.m.

\$36.50–\$41.50

Blending folk, Celtic, bluegrass, Americana, and rock traditions into what the group calls Ether-Electrified Porch Music



[Purchase Tickets](#)

**DONATE NOW**

**Musical Instrument Museum**

4725 East Mayo Boulevard, Phoenix AZ 85050 | 480.478.6000

[MIM.org](#) | [Join our e-mail list](#)

Join MIMphx: [Facebook](#) | [Twitter](#) | [YouTube](#) | [Pinterest](#) | [Trip Advisor](#)

MIM is a 501(c)(3) nonprofit organization and relies on donations to assist in the delivery of its mission.