

# Table of Contents

	Page
President's Message .....	2
Keynote Speaker .....	3
Conference Schedule .....	4
Abstracts .....	5
About the Presenters .....	10
Musicians .....	14

## Message from the President

“Music can lift us out of depression or move us to tears - it is a remedy, a tonic, orange juice for the ear. But for many of my neurological patients, music is even more - it can provide access, even when no medication can, to movement, to speech, to life. For them, music is not a luxury, but a necessity.”  
(Oliver Sacks, 1933-2015)

Dear Conference Participants:

On behalf of the Interdisciplinary Society for Quantitative Research in Music and Medicine (ISQRMM), I welcome all of you to the 6<sup>th</sup> Biennial Conference of the ISQRMM 2021. The quantifiable study of the effects of music on the human body, mind, soul, and spirit is a discipline that has spurred an interest among scholars from both the humanities and biomedical disciplines since the 18<sup>th</sup> century. Researchers in the 21<sup>st</sup> century have continued to embrace these quantifiable studies with scholarly and academic vigor. The aim of the conference is to explore the unanswered questions about music as medicine.

Our conference participants have customarily enjoyed both amiable and amicable professional relationships including but not limited to cultural collegiality, professional interaction through discourses, and collaborative inquiries on scientific research in music and health, all with one common objective — to find answers to unanswered questions and asking new research questions on music and medicine. I hope this conference provides you with these opportunities as you enjoy our live musical performances.

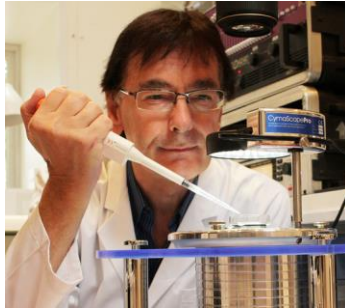
The history of ISQRMM spans from our inaugural conference in 2011 at Weber State University in Ogden, Utah, USA, which was rated among the best conferences by the Utah Business Bureau. Extra spaces Following that success, ISQRMM successfully held the 2<sup>nd</sup> biennial conference at The University of Georgia, Athens, GA (USA) in 2013, the 3<sup>rd</sup> biennial conference at Immaculata University, Immaculata, PA (USA) in 2015, and 4<sup>th</sup> biennial conference at Bridgeport University in Bridgeport, CT (USA) in 2017, and Molloy College, Rockville, New York (USA) for hosting the 5<sup>th</sup> ISQRMM biennial conference in 2019. The 2021 ISQRMM Conference was virtual and hosted by the University of Bridgeport, in Bridgeport, CT, USA. Once again, I welcome you to the 7<sup>th</sup> biennial ISQRMM conference. ISQRMM provides an unmatched platform to data-driven research while spurring intellectual discourse among scholars and researchers internationally. ISQRMM has hosted scholars from around the world including but not limited to India, Brazil, United Kingdom, South Africa, Canada, China, Croatia, Austria, and The United States. We hope that the topics presented during our conferences will spur interest in research in order to support our mission. We look forward to seeing you again in the future. Musically yours,



Professor David O. Akombo, B.Ed., MA, MMus, PhD  
Dean, Faculty of Culture, Creative and Performing Arts  
The University of the West Indies, Barbados, WEST INDIES

President, Co-Founder, ISQRMM

***How music regenerates old red and white blood cells, how pain can be mediated sonically, and how the sounds emitted by cancer cells could become a key tool for oncologists of the future***



John Stuart Reid

Acoustic-physics scientist, **John Stuart Reid**, is a man on a mission to educate and inspire the world in the field of cymatics, the study of visible sound. His CymaScope invention has changed our perception of sound forever: seeing sound allows us to understand this omnipresent aspect of our world and universe fuller and deeper. His cymatics research is helping to elevate this important new field in the scientific arena, and he speaks at scientific conferences in Europe and USA. In the medical field his study of the effects of music on human blood, using the CymaScope instrument to differentiate between the sounds emitted by cancer cells and healthy cells was published in the Water Journal, and has far reaching health implications. In 2021 he was invited to write a chapter on Sound Therapy and Music Medicine for a new medical text book, published in 2022, in English, Russian and Slovak. Also, in 2022 he hosted a highly successful course with The Shift Network, teaching Cymatics, Sonic Science and Music Medicine and in late 2022 and early 2023 he hosted a successful advanced course with the Shift Network, based on Frequency Medicine and Cymatic Science. His study on how dolphins see with sound and communicate sono-pictorially, published in the Journal of Marine Science, carries the potential for interspecies communication, a future in which we may be able to hold a conversation with a dolphin. His two recent studies are focused on the effects of music on the longevity of red blood cells, with a preliminary report published by [Experiment.com](https://www.experiment.com), and on differentiating between the sounds emitted by healthy cells and cancer cells, a study published in the Water Journal. John Stuart Reid's web sites are rich resources of knowledge on Cymatics and related fields: [cymascope.com](https://www.cymascope.com) [soundmadevisible.com](https://www.soundmadevisible.com)

Conference Schedule, Saturday June 3, 2023

8:00 am EST	Music, Welcome, & Opening Remarks – David Akombo, PhD	
8:30 am EST	Dr Amanda E. Krause James Cook University, Queensland, Australia	<i>How Music Listening Can Support Perinatal Maternal Well-Being</i>
9:00 am EST	Rona Geffen Independent Scholar Greece	<i>Self and Communal Healing by Vocalizing Chakra Toning Sounds While Dancing in Raves and Parties</i>
9:30 am EST	Coffee Break # 1 Eluv - Music for Healing & Relaxation with Crystal Singing Bowl	
9:45 am EST	Marriane Gubri, MA Bologna, Italy	<i>A Convergence Between Therapeutic Music, Vibroacoustic Harp Therapy, and Music and Imagery</i>
10:15 am EST	Ana Paul University at Buffalo, New York, USA	<i>Music and Academic Performance – How Binaural Beats Can Reduce Stress and Increase Focus</i>
10:45 am EST	Coffee Break # 2 Coffee Break # 3 with music : Morikayba and Partick K.	
11:00 am EST	<b>Keynote Presentation</b> <i>Discovering the Power of Sound on the Cellular Level</i> <b>Dr. John Reid</b> Acoustics Engineer and Scientist, United Kingdom	
12:00 pm EST	Lunch Break	
12:30 am EST	Adina Dabija, LAc, MSTOM, Dipl. OM New York, NY, USA	<i>The Role of the Diaphragm in Reaching "Flow State"</i>
1:00 pm EST	Iasos Independent Researcher Hawaii, USA	<i>The Mechanics of HOW Sound Can Induce Healing</i>  Including Original Music Presentation
2:00 pm EST	Coffee Break # 3 with Music: “Maria” and “I Can Cook Too” by The Center City Brass Quintet	
2:15 pm EST	Lindy Romez (Jaya Devi) Calm One, Inc St. Petersburg, FL, USA	<i>Music and Medicine: Utilizing Music, Sound, and Frequencies to Easily Bring Balance, Harmony, and a Positive Change</i>
2:45 pm EST	Tony Crisos, MM Independent Scholar, CA, USA	<i>The Orphic Path to Divine Union: “Theon Therapeian” and Ritual Music in Contemporary Greek Mysteries</i>  Including Original Music Presentation

## ABSTRACTS

Saturday June 3, 2023

***How music regenerates old red and white blood cells, how pain can be mediated sonically, and how the sounds emitted by cancer cells could become a key tool for oncologists of the future***

John Stuart Reid

### **Abstract**

In his keynote presentation, Dr. Reid will address the intriguing topic of red and white blood cell regeneration by music, and the important subject of pain analgesia by sound and music. His presentation will also focus on mechanisms by which by music innervates the pleasure centers of the brain, leading to enhancement of the immune system, and how vagus nerve stimulation, achieved sonically via the tragus of the ears, reduces chronic inflammation, slows the rate at which we age.

**Music and Medicine: Utilizing music, sound, and frequencies to easily bring balance, harmony and a positive change**

Lindy Romez (Jaya Devi)

### **Abstract**

The purpose of this to continue to bring awareness into the community through the use of music and sound. Everything in the whole universe is in a state of continual vibration and those vibrations make a sound and those sounds have different frequencies. Every object in the universe has its own unique *resonant frequency* and every organism has its own *vibratory rate*. Since we are also part of the universe, we are also made up of sound, vibration, and frequencies. Every part of the human body and outer (etheric) energy layers that surround the body is a field of vibration which, when in a state of health, resonates in harmony (resonance) and when sick (dis-eased) vibrates in various disturbed patterns (dissonance). Every organ, bone, tissue, gland, etc. has its own healthy resonant frequency. Disease, which we will refer to as dis-ease, is the dis-harmony in the vibrational pattern of one or more of these parts or systems of the body. A big component of disharmonies in the mind and the physical body is what most medical professions cannot detect or understand until they are having to treat symptoms the arise from the breakdown of this system - the nervous system. The nervous system is essential to our well-being, just like air and water. It's an invisible superhighway that links all functions in our body and its functioning is fundamental to how we feel, how we maintain our energy levels and how we show up and perform in life. The problem so many of us are facing today is that our current lifestyle presents continuous and unrelenting stress demands, which our nervous system was not designed to handle, so the body gets stuck in the "on" fight or flight position. We can translate to the "Beta" brain wave state, and most do not know how to release the tension and come down from this continual adrenaline surge. In our evolution, threatening situations were short lived. Our fight or flight mechanism kicked in if we were being chased by a lion, and afterwards we went back to a state of peace, so we could rest and regenerate. In today's world, we have continual deadlines to meet, bills to pay, traffic stress, competition, corporate ladders to climb etc. So many of us develop the habit of staying in the switched-on stress response state continually. After some years of this behavior, our adrenals wear out. We are then in a state of adrenal fatigue or burn out, in which the health of our whole body is affected. Chronic stress and burn out has been linked to:

- Mental imbalances
- Digestive issues
- Skin problems
- High blood pressure
- Sleep disorders
- Auto-immune diseases (Smerling, 2018) including MS and Parkinson's (Chan et al 2017).

However, it has been shown that if a stress condition is treated, it reduces the likelihood that a more serious auto-immune disease will develop (Wurtman, 2018).

The encouraging reality is that we all have the capacity to heal ourselves through sound, frequencies and positive practices and here's why.

A healthy frequency is referred to as a sound signature and these "signatures" combine with one another, as well as with mental and emotional tones and overtones, to make up a person's "pitch." It is possible to bring the "pitch" into states of harmony with the use of externally created sound, such as the pure tones of Tibetan and quartz crystal bowls, to rebalance a dis-eased area or system of the body. This is accomplished by the penetration of sound into the very cells of the body, causing them to harmonically reorganize themselves through a phenomenon called *entrainment*. As sound waves "touch" peripheral cells, these cells in turn touch adjoining cells creating *harmonic resonance* within a particular area or system of the body. This is made possible by the high-water content of the body's tissues as well as the crystalline structure of human bones, blood, DNA, and the liquid crystal-colloidal structure of the human brain. Even on a molecular level, our cells contain silica (quartz) which enables the body to maintain its electrical (electro-magnetic) balance.

Since sound affects us at both the conscious and unconscious levels it also has the ability to counterbalance the physical and emotional states of the body and the mind that taps into and adjusts brainwave states. By using sound, the internal and external can be brought back into states of harmony and flexibility easily.

It is important to note that research can continue to prove the effectiveness of using sound to heal. It is also important that we reintroduce the ancient practice of sound healing back into our modern society and that we introduce positive practices that support the use of sound as medicine through a daily practice of mindfulness, meditation, breathwork and moving the physical body.

### ***How music listening can support perinatal maternal well-being***

Dr Amanda E. Krause  
James Cook University, Queensland, Australia

#### **Abstract**

**Introduction:** Low maternal parenting self-efficacy (i.e., a mother's low confidence in her ability to care for, and support the health of, her baby) is a significant predictor of postnatal mental illness, poor family functioning, and numerous negative child health, development, and behaviour outcomes. A digital WebApp under development aims to provide a digital resource centre (including activities and materials for perinatal women and paired supporters) to build maternal parenting self-efficacy. To assist in creating a well-rounded suite of resources including those related to music (e.g., guided music listening tracks for relaxation), a scoping review will be conducted to consolidate evidence-based knowledge on the role of music listening for maternal well-being during the pre-natal and delivery periods. **Materials & Methods:** While previous research has focused on the infant, and neonatal intensive care unit experiences in particular, the focus of this scoping review is on mothers' experiences during pregnancy, guided by a research question that asks, What does the published research tell us about the influence of music on mothers' well-being during the perinatal period? Following PRISMA guidelines, a scoping review will be conducted whereby the eligibility criteria includes: works published in the last 20 years in English about females in the prenatal-to-birth period and music listening. A database search will be done using designated search terms (music+listen\* and perinatal, peri-natal, peri natal, prenatal, pre-natal, pre-natal, pregnant, labor, birth). **Results and Discussion:** Preliminary search results suggest that music listening is effective in reducing mothers' stress, anxiety, and depression levels, improving sleep quality, and is associated with an increase in maternal-infant bonding and maternal self-efficacy. The results have implications for the development of music resources and activities tailored to support perinatal women's well-being.

## **The role of the diaphragm in reaching "flow state"**

Adina Dabija, LAc, MSTOM, Dipl OM, USA

### **Abstract**

"Flow state", a term coined by the Hungarian-American psychologist Mihaly Csikszentmihaly, is a mental state that enables one's focus on a single activity. It is also called in a hyperfocused state, or being effortlessly "in the zone". This paper aims to explore the connection between the use of the diaphragm through breathing and singing and the access to a heightened sense of awareness and connectivity.

## **The Mechanics of HOW sound can induce Healing**

Iasos  
Independent Researcher  
Hawaii, USA

### **Abstract**

**Background:** This presentation will address music and healing. Since I have been focusing on creating music for over 50 years, I would like to share what I have learned about the MECHANICS of exactly HOW sound & music can induce healing. I'll be discussing in detail the 4 primary factors: (1) Physical Resonance; (2) Emotional Resonance; (3) Intent; and (4) Belief.

## **How Binaural Beats Can Reduce Stress and Increase Focus**

Ana Paul  
University at Buffalo, New York

### **Abstract**

**Introduction:** There are several studies showing that binaural beats can reduce anxiety, stress and sometimes help people sleep. I would like to see if these sounds can also help college students focus. To investigate this phenomenon, this pilot study will survey college students aged 18 and older. It will consist of three parts; Research, surveying and testing a hypothesis out in practice. **Methodology:** First I will randomly select a group of students and have them complete a task while not listening to any music. Afterwards I will divide the group into two randomly selected groups and have both of them complete the same task. Group A will complete the task while listening to binaural beats and Group B will complete the task while listening to their personal music playlist. This research will utilize opportunity sampling methods in a between-subjects research paradigm. Data will also consist of analysis of data collected by scientists on the topic of effects of binaural beats on anxiety, stress, and sleep disorders. Participants will be asked to complete a survey before and after the experiment. In the first survey they will be asked about their study habits, if they prefer studying in silence or with music, and whether or not they believe music impacts their focus. The second survey is to be completed after the experiment. Students will be asked if they noticed a change in focus, after listening to binaural beats or their own personal music playlist. For the third portion of my research. **Results:** I will analyze and compare their performance and the amount of time that it took them to complete the task each time. Afterwards I will see which group had a higher rate of improvement while completing the task the second time. If the two groups have similar results, the Hypothesis, being that binaural beats improve focus, will be rejected. To conclude my study, I will summarize my personal findings in a paper and compare them to the statistics gathered from other peer-reviewed articles.



**A Convergence between Therapeutic Music, Vibroacoustic Harp Therapy and Music and Imagery**

Marianne Gubri  
Bologna, Italy

**Abstract**

Each human being is a complex structure of different layers; music and sound, with their proven impact on response mechanisms of the brain and the body, may contribute to harmonize different aspects of human existence such as physical, emotional, cognitive, and spiritual spheres. Harp therapy provides a sonic cocoon; its positive effects on heart and breath variability have been widely described in scientific literature. Vibroacoustic Harp Therapy provides a deeper frequency massage in all the body, which may reduce pain, anxiety and stress. Music and Imagery techniques have shown how music can have a positive impact on inner imagery. Based on a private VAHT study, this presentation will propose a convergence of these different approaches. It will be possible to draw an indicative map of resonant frequencies in the body and to investigate how to create balance from left to right and harmony with overtones series, finding specific recurrent frequencies or frequencies experienced outside the body. Some notes may also touch specific blocks, which resonance may induce a release of emotions, potentially balanced with modal and rhythmic changes. A deeper relaxation state may be induced through visualization of specific images, while positive affirmations can reframe the inner world.

**The Orphic Path to Divine Union: "Theon Therapeian" and Ritual Music in Contemporary Greek Mysteries**

Antonios Chrysovergis

**Abstract**

This paper explores the value of "Theon Therapeian," an ancient Greek therapy idea that emphasizes "Service to the Gods" and "Divine Worship" using ritual music. The study focuses on the Orphic tradition and religion in the context of contemporary Greek mysteries. It aims to reveal the transformative power of Divine Worship, the use of ancient symbols, and musical esoteric correspondences to achieve unity between the human soul, nature, and the divine. The research includes a historical overview of the Orphic tradition and its beliefs, along with examples of contemporary Orphic rituals, concentration exercises, and musical examples. Ultimately, this study aims to revive and elevate ancient practices and inspire interest in the transformative and therapeutic power of ancient Greek mysteries.

**Self and Communal Healing by Vocalizing Chakra Toning Sounds While Dancing in Raves and Parties**

Rona Geffen

**Abstract**

While dancing in raves and parties people tend to spontaneously vocalize vowels which accurately resemble what is commonly known as Chakra Toning Sounds. This sonic observation raises the hypothesis that people instinctively and intuitively heal themselves by balancing and activating their own chakras with their voice. To test and verify this hypothesis a survey was conducted in which 96 participants were asked to share their experience about the voices they produce and hear in raves and parties while dancing. The majority of participants reported to use their voice and hear others use their voice with Chakra Toning Sounds. An interesting observation suggests that a communal effect is created by this action, in which self healing informs and encourages communal (group) healing, possibly underlying collaborative and collective healing.

**Keywords:** Vibrational Medicine, Chakra Toning Sounds, Dance, Rave, Self Healing, Group Healing, Sound Healing,



## Using African drumming as a holistic approach to reducing stress and improving health: A Literature Review

David O. Akombo  
The University of the West Indies, Barbados

### Abstract

**Aims:** There is dearth of data on the potential health benefits of particularly djembe drumming. This presentation will examine a literature review on the few studies that have specifically examined djembe drumming that show that the drumming exercise at a low-to-moderate intensity exercise, can simultaneously reduce stress and anxiety levels and benefit cardiovascular health. **Methods:** The literature reviewed is based on study populations, middle-aged experienced drummers and younger novice groups who participated in djembe drumming sessions. Baseline measurements such as those of blood pressure, blood lactate and stress and anxiety levels were taken before and after sessions. Also, heart rate was monitored at 5-s intervals throughout each session. **Results:** The literature review shows that participation in drumming significantly decreased the Stress Anxiety Index scores acutely, and some cases with a significance of ( $P < 0.01$ ). In some studies, the SBP was significantly decreased in the older population post drumming ( $141 \pm 24$  vs.  $153 \pm 26$  mmHg;  $P < 0.01$ ). Blood lactate levels remained below 4 mmol/l in all individuals and together with heart rate suggest that drumming may be categorized as low-to-moderate intensity exercise. **Conclusion:** Djembe drumming may improve cardiovascular health, without the cardiovascular risks to unhealthy or older populations that are associated with higher intensity exercise, and at the same time may decrease stress and anxiety levels. Furthermore, participation in drumming did not result in acute hypotension in normotensive individuals.

### Confidence Alone: Survey of University Acting Majors Regarding the Effects of Singing Training on Confidence and Skills

Brian Manternach, D.Mus.  
University of Utah  
Department of Theatre  
Utah Center for Vocology

Jeremy N. Manternach, Ph.D.  
University of Iowa  
College of Education  
School of Music

### Abstract

A three-semester singing course devised for university acting majors had a three-fold focus: (1) performing songs, (2) music theory, and (3) vocal pedagogy (physiology, technique, wellness). After the course had been taught for four years, 59 of the 72 students (81.9% response rate) who finished at least one semester completed a survey assessing which elements of the curriculum they felt were most useful while they were taking the course(s) compared to once they had completed the course(s). As was previously published, while taking the course(s), the highest number of participants ( $n = 26$ , 44.1%) reported believing that learning and performing songs was the most useful, followed by music theory ( $n = 23$ , 39.0%), and vocal pedagogy ( $n = 10$ , 17.0%). However, perceptions inverted after taking the courses, with vocal pedagogy rated most useful ( $n = 24$ , 40.7%), followed by music theory ( $n = 32.2\%$ ), and learning and performing songs ( $n = 16$ , 27.1%). This trend increased as students were further removed from the course.

Participants were also asked to report how the coursework affected their confidence and skills for singing. Of those who participated in auditions ( $n = 43$ , 72.9%) or stage productions ( $n = 29$ , 49.2%) that required singing, more than 90% reported the courses were extremely or somewhat helpful in building their *confidence* and more than 95% reported the courses were extremely or somewhat helpful in building their *skills*.

This presentation examines previously unreported data from the two open-response questions at the end of the survey: (1) Overall, what do you feel is valuable about the singing training you took as you were training to be an actor? (2) Do you have any other comments or reflections on the course that you would like to share? 47 of the 59 participants mentioned improvements in confidence and/or skills in their open-response answers (79.7%). Of those respondents, 68.1% specifically mentioned improvements in confidence, or they used a phrase that is synonymous with confidence, such as, “[It] helped [make] singing in front of people less scary,” and “[T]he most valuable thing I learned is to trust my own voice.” This is compared to 46.7% who specifically mentioned improvements in skills. Additionally, 46.8% indicated improvements in confidence or a synonymous phrase *without* mentioning improvements in skills, while only 23.4% mentioned improvements in skills without mentioning confidence.

Since participants were asked directly about perceived improvements in confidence and skills earlier in the survey, it is unsurprising that they are mentioned prominently in the open-response answers. However, the fact that improved confidence received greater mention than improved skills may be an indication that the greatest benefit of the class was related to an increase in confidence.

The performances seemingly gave students opportunities for mastery experiences, which is a key component to Bandura's self-efficacy theory. There is also research indicating that domain-specific self-efficacy (e.g., in singing performance) is linked to general self-efficacy; and high general self-efficacy has been linked to overall psychological well-being.

## About the Presenters



**Lindy Romez** is a professional musician, Reiki Master, Author, who is Certified in Sound Healing, Yoga and Meditation and is a veteran of the US Army. Lindy's passion for yoga and sound healing came after she experienced some trauma while in the service and a car accident in 2000 that exacerbated that trauma. Her journey into her own physical and mental recovery led her to study in India where she discovered the deep healing properties of yoga, sound, vibration and harmony. As an Army Veteran, Lindy has helped fellow veterans who struggle with post-traumatic stress and anxiety through the use of Tibetan Sound Bowls, Reiki, Yoga, and Meditation. In 2019, she founded Calm One, Inc., a non-profit organization ([www.calmone.org](http://www.calmone.org))

to continue her work supporting veterans with post traumatic stress and anyone experiencing mental and physical dis-eases. Her research on sound frequencies, binaural beats, and isochronic tones, similar to what the Tibetan bowls produce, has shown to be effective in calming the nervous system. By synchronizing with these resonant signatures, the body and mind can align with the vibrations of planet, reconnecting those who feel disconnected. Today, Lindy is passionate about sharing the healing benefits that any yoga practice can offer and understands that on a deeper level, it is ultimately what we do for ourselves through self-care that heals, transforms and empowers. Lindy can be reached at [lindyromez@gmail.com](mailto:lindyromez@gmail.com)



**Iasos** (pronounced ya' sos) is a music-creator, specializing in heavenly, celestial, inter-dimensional music. He is also one of the original founders of "New Age" music, releasing his first album in 1975. Since then, he has remained active in creating celestial music and healing sounds. Iasos can be reached at [iasos@iasos.com](mailto:iasos@iasos.com)



**Ana Paul** is a Romanian-American 19-year old musician currently based in Long Island, New York. During her formative years she attended the German International School of New York in Westchester, where she learned German fluently and received her DSD-II certification, making her trilingual. She attended Fiorello H. LaGuardia High School as a vocal major and released her first album, *Lady Moon*, in 2020 at age 16. Ever since then she has been releasing music on streaming platforms each year, composing all of her own songs and lyrics, recording and producing several of them by herself. She also studied Hypnosis and received her certification in 2021. She is currently studying Psychology on a pre-med track at the University at Buffalo. Ana can be reached at [anapaul3756@gmail.com](mailto:anapaul3756@gmail.com)



**David O. Akombo, PhD** is Professor and Dean of the Faculty of Culture, Creative and Performing Arts at the University of the West Indies, Barbados. Professor Akombo previously served as Diversity Fellow at Weber State University in Utah and Faculty Fellow at Jackson State University in Jackson, MS. Intrigued by the peculiarities of music and its interdisciplinary confluence with medical and psychological practices, Professor Akombo has studied and researched the effects of music on children and young adults both in schools and in hospitals. As scholar and performer, Professor Akombo balances his research interests amicably as a music educator, ethnomusicologist, composer and singer/drummer, having worked in Africa, The United States, and Southeast Asia where he studied with Balinese artists. His books, *Music and Healing Across Cultures* (Ames, Iowa: Culicidae Press, 2006) and *Music and Medicine: Connections Found* (Seaburn,

2009) unfold the mechanics of the relationships between music, culture, physiological and spiritual states in people from the anthropological and epistemological inquiry regarding music and healing. Professor Akombo has worked jointly with the University of Florida's Center for Arts in Healthcare Research and Education (CAHRE) with which he collaborated to establish the Arts in Medicine (AIM) program in Nairobi, Kenya. Located at Mater Hospital and funded by the Legislature and State of Florida Center for Cultural Affairs in Tallahassee, USA, this is the first known Arts in Medicine program in Africa. Professor Akombo continues to be active in music education research, and interdisciplinary scholarship having conducted clinics in several countries. He is a 2017 recipient of the NSF Research Training Scholarship. He is the President and Co-Founder of ISQRMM. Professor Akombo can be reached at [dakombo@isqmmm.com](mailto:dakombo@isqmmm.com)



**Antonios Chrysovergis (Tony Crisos)** is a musician, writer, philosopher, and lecturer. He studied Music Performance with a special focus on Jazz at Berklee College of Music (BA) and received his Masters in Music Education from Boston University. He has studied ancient Greek Philosophy, as well as Western Esoteric traditions, and performs on both the guitar and the ancient Greek Lyre. Antonios, as a writer and philosopher, lectures on the Orphic tradition throughout the country and has published several articles on music and philosophy.



**Adina Dabija, LAc, MSTOM, Dipl OM** Adina Dabija is a New York State Licensed Acupuncturist, nationally certified in Oriental Medicine by the National Commission for Certification of Acupuncture and Oriental Medicine, nation-ally certified by the American Board of Anti-Aging Health (ABAHP) and Certified Hypnotist. She holds a Clinical Master Degree from Pacific College of Oriental Medicine and formal certifications in Medical Qi Gong and Korean physical manipulations (Kyo Jung) from the Institute of Classical Asian Studies. With over ten years of clinical experience, Adina has been helping thou-sands of people from New York City to improve their health. Founder of several acupuncture clinics, Adina also created a holistic and meditation center in Port Washington, New York, with the focus on the top down (mind to body) approach in 2017.

Since 2021. Adina previously presented a pilot study with the title “Plato’s Harmonious Man: a musical journey with-in using “charms”, silence and remembrance of the cosmic harmony” at the ISQRMM 2019 Conference and Music in Ancient China in the 2021 conference. Adina can be reached at [adina@sol.center](mailto:adina@sol.center)



**Marianne Gubri** is French-Italian harpist, composer, therapeutic musician and researcher. She combines an original and unique musical journey with a quest for personal development. She has published more than **10 albums**, a **book** on historical music therapy *Una melodia per l'aere luminoso*. Director of the **Bologna Harp Festival**, she speaks at TEDx conferences, international courses, Conservatories and Universities. A graduate in the

United States in therapeutic music with IHTP, in **VAHT Vibroacoustic Harp Therapy**, she is the **Director of International Harp Therapy Program for France and Italy** and organises seminars on well-being through sound. She graduated in the **Celtic harp** in **Brittany** and in **ancient harps** at the Conservatoire of Tours, and she received a Master in Musicology at the University of Venice / Tours in 2002. She performs in numerous **concerts and international tours** in all Europe, Mexico, Brazil, USA, Dubai, China, India, Egypt with her own compositions. [www.mariannegubri.com](http://www.mariannegubri.com)



**Dr Amanda E. Krause** is a Lecturer (Psychology) in the College of Healthcare Sciences at James Cook University (Queensland, Australia). As a music psychology scholar, she studies how we experience music in our everyday lives. Her research asks how our musical experiences influence our health and well-being. Dr Krause’s research has made significant contributions to understanding how listening technologies influence people and how musical engagement impacts well-being. Recent publications and further information can be found on her website at [www.researchaboutlistening.com](http://www.researchaboutlistening.com). Dr. Krause can be reached at [amanda.krause1@jcu.edu.au](mailto:amanda.krause1@jcu.edu.au)





**Rona Geffen** is a Sound Researcher, Sound Healer, Music Producer, Composer, Vocalist, Sound Engineer, and Music Entrepreneur. The Alchemy of diffusing genres and practices was always present in Geffen's work as she studied music production and established a career as a Hardcore Pop-Avantgarde musician and multi disciplinary artist. Geffen released 3 solo albums, the electronic opera STRIKE! And collaborated with artists such as Mad Professor, Ori Lichtick, Yasmeen Godder and many others. Composed for dance and theater plays in Germany and Israel, participated in art and mixed media events worldwide and toured with her solo act in Europe and USA. In 2015 Geffen started an independent sound research on the connection of geometry, mathematics and sound with healing which led her to work with high-end spatial sound technology 4DSOUND, the Spatial Sound Institute in Budapest, sound researchers, mathematicians, medical practitioners, scientists and physicists. Geffen's research accumulated to her invention of Geometric Sound, a new property in the field of spatial sound, which showed promising indications in neurotrauma and stress rehabilitation. Today Geffen is the Lead Sound and Medicine researcher at The Works Research Institute focusing on Geometric Sound effect on human health. Geffen is a certified sound medicine practitioner and studied various methodologies and instruments in sound and vibrational medicine including multi instrumental & voice vibration medicine as integral medicine at the Sound Healing Academy (UK), vibrational acupuncture with planetary calibrated tuning forks according to Acutonics method (IL, UK), BioAcoustic technician at the Institute of BioAcoustic Biology and Sound Health (USA), and healing with singing bowls (IN/USA). Rona can be reached at [booking@ronageffen.com](mailto:booking@ronageffen.com)



**Brian Manternach**, D.Mus., is Associate Professor at the University of Utah Department of Theatre and Research Associate for the Utah Center for Vocology, where he is on the faculty of the Summer Vocology Institute. He has given presentations for the Voice Foundation, PAVA, VASTA, NATS, International Physiology and Acoustics of Singing Conference, Fall Voice Conference, and TEDxSaltLakeCity. An associate editor for the *Journal of Singing*, he is also a regular contributor to *Classical Singer*, which has published more than 100 of his essays, interviews, and reviews. Additionally, he has written articles for the *Journal of Voice*, *Voice and Speech Review*, *VOICEprints*, *College Music Symposium*, *NATS Inter Nos*, and the *Music Theatre Educators' Alliance Journal*. He holds a Doctor of Music degree in voice performance from the Indiana University Jacobs School of Music and has made solo appearances with the Milwaukee Symphony Orchestra, Cleveland Chamber Symphony, and Sinfonia Salt Lake, among others.



**Jeremy N. Manternach**, Ph.D., is Associate Professor and area head of music education at the University of Iowa, where he teaches undergraduate and graduate choral pedagogy, music education, and research courses. He also coordinates and conducts the UI Youth Chorale, a high school outreach choir. He previously held the same position at the University of Arizona. Dr. Manternach has conducted state, conference, region, and city honor choirs in Arizona, Colorado, Idaho, Iowa, and Kansas. Additionally, he has performed with such groups as the Minnesota Chorale, The Singers - Minnesota Choral Artists, Kantorei (MN), and the Vocal Artists of Iowa. Dr. Manternach's research interests include choral conducting gesture and singer efficiency, choral and vocal acoustics, and teacher voice use. He currently serves on the editorial board of the *Journal of Research in Music Education* and is a member of NAfME, ACDA, PAVA, and the VoiceCare Network.

## Musicians



Healing Music Artist, Channel/Medium & Radio Personality **Eluv (Elise Zotos)**, was born and educated in Melbourne, Australia. Eluv is the host of [“Ultrasounds” radio show on WMNF, 88.5 FM Tampa](#). Thursday's 10pm-Midnight. She creates beautiful inspirational music, guided meditations, and visualizations for relaxation and healing. Her music covers many genres and is a unique blend of musical elements from around the world and spoken meditations, giving the listener a truly unique and relaxing recorded experience. Her recordings are featured on the Monroe Institute's Hemi-Sync label, with binaural sound healing technology added to balance the left and right hemispheres of the

brain. Her singing style is a unique immersion into grace with her angelic vocals and sacred songs. Eluv combines her vocals with a tapestry of pure tones of the Crystal Singing Bowls, lush harp strings, and other beautiful sounds. Known for her open-hearted intuitive approach to healing, Eluv's music awakens joy, heart opening, well-being and deep relaxation. She is a featured guest speaker on sound healing and performs live “Sound Healing” concerts globally. Her practice features multiple modalities; Sound Healing with Crystal Singing Bowls, and Angel Harps, Live Healing Music Performances, Composing Music & Guided Meditations, Voice Overs, Mantra, Kirtan, Mandala Art, Essential Oils, Flower Essences. She is a Shamanic practitioner and an Advanced Ancestral Healing practitioner, offering private sessions for people and animals.



**The Center City Brass Quintet** is an all-star ensemble of renowned soloists and members of America's finest orchestras, who convene throughout each season to produce chamber music of the highest caliber. The quintet, originally formed at Philadelphia's Curtis Institute of Music, now comprises members of the Cleveland Orchestra, Pittsburgh Symphony and Seattle Symphony, and the Buffalo Philharmonic, and its players have performed as soloists with such notable ensembles as the New York Philharmonic and the Boston Pops. Called "one of the strongest of today's brass quintets", and "a virtuoso outfit which plays like no other" by American Record Guide, and "an exquisitely blended ensemble" by Gramophone, the [Center City Brass Quintet](#) is known world-wide for its superlative renditions of the standard

brass quintet repertoire, as well as for original arrangements which span from Bach to Bernstein. Working around the many commitments of each of its members, the Quintet presents a limited number of recitals each year.

**Morikeba Kouyate** is a Jali, a carrier of the oral traditions of the Mandinka people. Born in Bounkiling, Senegal, he inherited his sacred profession from over 700 years of both maternal and paternal family lineages. He has been travelling and professionally performing songs, stories, and history since he was 14 years old. In the USA, Morikeba has played at hundreds of festivals and cultural events and conducted many workshops on the history of the Jali and the music of the kora. He has recorded 3 albums of traditional kora music.

**Patrick Klemawesch** is an allergist and immunologist from Florida, USA. A lifelong musician and recording artist with multiple groups, he has been studying the kora with Morikeba for 5 years.

### About the Kora

The kora is a 21 string bridge harp originating in the Manding empire of west Africa around the 13th century. It is made from a large calabash gourd, a calfskin, four sticks, and a wooden bridge, with two separate rows of skin or monofilament strings. Along with the balafon and ngoni, it is one of the instruments of the clans of Jalis ("Griots" in French). Jalis are musicians, advisors, oral historians, and essential performers at ceremonies including naming of

children, marriages, and funerals. The kora is traditionally used by Jalis to perform songs of praise and to recount clan histories, but also as a vehicle for more subtle emotional influence on the meditations and decisions of rulers and patrons. Modern Jalis can recount up to a dozen generations of their ancestors and use the stories of the past and the moods of the kora to educate and guide their descendants.





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### **Acknowledgments**

We would like to thank all the presenters and attendees who always make this conference possible. Your contribution continues to make ISQRMM a vibrant society dedicated to research in music and medicine. Without all of you, this conference would not be possible.

We look forward to seeing you in our next ISQRMM Conference on June 4-5, 2025 at the University of Central Florida, in Orlando, Florida, USA. Please check our website [www.isqrmm.org](http://www.isqrmm.org) for updates as we plan our next conference. If you would like to be more involved in ISQRMM please let us know. ISQRMM always welcomes members to serve on the Board and to support the mission of ISQRMM.