



SALZBURG  
GLOBAL  
SEMINAR

DIRECTORY

547

# The Neuroscience of Art: What are the Sources of Creativity and Innovation?



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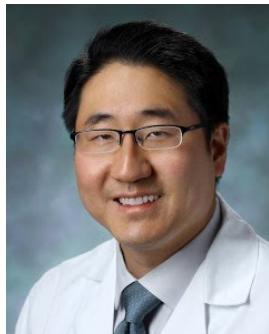
**The Whitney MacMillan  
Fellowship**

**The Salzburg Global Seminar would like to thank all participants for donating their time and expertise to this Session.**

**Special thanks are due to Charles Limb and Gary Vikan for their programmatic advice and support.**

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## Co-Chairs



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### Charles Limb, USA

Charles Limb is an associate professor in the Johns Hopkins Department of Otolaryngology-Head and Neck Surgery, where he specializes in neurotology and skull base surgery. He is also a faculty member at the Peabody Conservatory of Music and School of Education of Johns Hopkins University. Throughout his career, he has combined his interests in auditory science, clinical treatment of hearing loss and complex sound perception, especially music. His current areas of clinical care focus on the treatment of hearing loss and auditory disorders. In particular, he specializes in all surgery of the temporal bone, with particular expertise in acoustic neuroma surgery, cochlear implant surgery, implantable hearing aids, stapes surgery, cholesteatoma surgery, and cancers of the ear. His current areas of research focus on the study of the neural basis of creativity (in various musical and other art forms) as well as the study of music perception in deaf individuals with cochlear implants. He is the editor-in-chief of *Trends in Amplification*, the only journal explicitly focused on auditory amplification devices and hearing aids, and an editorial board member of the journals *Otology and Neurotology* and *Music and Medicine*. His work has been featured by National Public Radio, TED, National Geographic, *The New York Times*, PBS, CNN, *Scientific American*, the BBC, the Smithsonian Institute, the Library of Congress, Canadian Broadcasting Company, Baltimore Symphony Orchestra and the American Museum of Natural History. Dr. Limb received his undergraduate degree at Harvard University and his medical training at Yale University School of Medicine, followed by surgical residency and fellowship in Otolaryngology-Head and Neck Surgery at Johns Hopkins Hospital. He completed a postdoctoral research fellowship at the Center for Hearing Sciences at Johns Hopkins with Dr. David Ryugo studying the development of the auditory brainstem, and a second postdoctoral fellowship at the National Institutes of Health studying neural mechanisms of musical improvisation, and production and perception of music using functional neuroimaging methods.



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**Gary Vikan, USA**

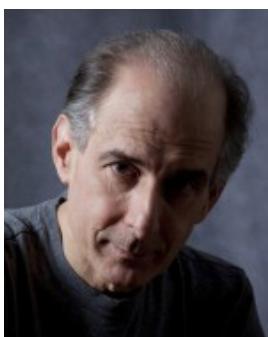
Gary Vikan was director of the Walters Art Museum in Baltimore, and prior to that the museum's assistant director for Curatorial Affairs and curator of Medieval Art. Before coming to Baltimore, he was senior associate at Harvard's Center for Byzantine Studies at Dumbarton Oaks in Washington, DC. An internationally known medieval scholar, he curated a number of critically acclaimed exhibitions at the Walters, most notably, those devoted to the art of medieval Orthodoxy. He has taught at Johns Hopkins University, Carleton College, Goucher College, and was leader-in-residence at the Noyce Leadership Institute. He had a weekly radio program on Baltimore's NPR affiliate called "Postcards from the Walters." Dr. Vikan currently serves on the Advisory Council on Culture and the Arts of Salzburg Global Seminar, on the Board of Advisors of the Masters in the Liberal Arts program at Johns Hopkins University, on the founding board of the Future Symphony Institute in Baltimore, and on the Committee for Cultural Policy in New York City. He is a councilor of the Maryland State Arts Council. He has been an advisor to the Getty Leadership Institute and Princeton University's Department of Art and Archaeology, was appointed by President Clinton to his Cultural Property Advisory Committee, and was knighted by the French Minister of Culture in the Order of Arts and Letters. Dr. Vikan stepped down from the Walters directorship to write, lecture, and teach, to provide consulting services as Vikan Consulting LLC to cultural non-profits, collectors, and dealers, and to pursue projects at the intersection of the arts and sciences. In the fall of 2014, he co-organized an exhibition on "Beauty and the Brain" at the American Association for the Advancement of Science in Washington, DC. He lectures extensively on topics as varied as Byzantine art, Elvis Presley, the Shroud of Turin, looted art and cultural property policy, neuro-aesthetics, and art forgeries. He does readings from his forthcoming memoirs as well. Dr. Vikan holds a B.A. from Carleton College and a Ph.D. from Princeton University. He is a graduate of the Harvard Program for Art Museum Directors and the National Arts Strategies Chief Executive Program. He is a Fellow of Session 482 "*Libraries and Museums in an Era of Participatory Culture*" (2011) and Session 498 "*Salzburg Global Forum for Young Cultural Leaders*" (2012).

## Participants



**Anna Abraham, United Kingdom**

Anna Abraham is a Reader in Psychology at the School of Social, Psychological and Communication Sciences at Leeds Beckett University in the UK. She obtained her educational training and professional experience from a wide range of departments and institutions in different parts of the world. She is a psychologist and a cognitive neuroscientist whose research centers on the neurocognitive study of imagination, encompassing domains such as creativity, divergent thinking, mental time travel, mental state reasoning, self-referential thought, and the reality-fiction distinction. Dr. Abraham holds a B.A. in Psychology from the University of Delhi in India, an M.Sc. in Psychology from the University of Essex in the UK, and a Doctorate in Neuroscience from the Ruhr University Bochum in Germany.



**Bruce Adolphe, USA**

Bruce Adolphe is a composer, educator, performer, and author whose music is performed worldwide by renowned artists. His piece *Music of Memory* celebrated its world premiere in October 2014 at the Brain and Creativity Institute at University of Southern California in LA. The work is structured to reflect the way memory works in the brain. Over the past 25 years, Mr. Adolphe has served as composer-in-residence at many festivals and institutions throughout the USA for which he has also created and led educational concerts and workshops for all ages and levels of musical accomplishment. A key figure at The Chamber Music Society of Lincoln Center, Mr. Adolphe is the founder and director of the Society's *Meet the Music* family concert series as well as the Society's resident lecturer. He has appeared as a commentator on *Live From Lincoln Center* television and regularly lectures at the Metropolitan Museum of Art. The author of three books on music, he has taught at Yale, Juilliard, and New York University. Since 2002, he performs his *Piano Puzzlers* weekly on public radio's *Performance Today*, hosted by Fred Child. Mr. Adolphe co-founded *The Learning Maestros*, a company dedicated to creating new works and related curricula that integrate music with other disciplines, including science, literature, history, and issues of social conscience. His book *The Mind's Ear: Exercises for Improving the Musical Imagination* was published in a second edition in October 2013. Mr. Adolphe was recently appointed composer-in-residence at the Brain and Creativity Institute in Los Angeles, where he works with neuroscientists Antonio and Hanna Damasio and Assal Habibi. He is a Fellow of Session 479 "Instrumental Value: The Transformative Power of Music" (2011).



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**Clayton Aldern, United Kingdom**

Clayton Aldern is an M.A. candidate in Public Policy at Oxford's Blavatnik School of Government, where he studies as a Rhodes Scholar. He is interested in emerging neurotechnologies, bioethics, artificial intelligence, machine learning, and the relationships between science, policy, and society. Outside the policy sphere, he works as a research assistant and lab technician in a computational neuroscience lab in Oxford's Centre for Neural Circuits and Behaviour, where he studies mathematical models of sensory processing. Previously, he has conducted health policy work for Brown University and One Mind for Research concerning treatment access for different patient populations with post-traumatic stress disorder. He is a freelance science writer and has written for *The Atlantic*, *Scientific American*, and other publications. Mr. Aldern holds a B.Sc. in Neuroscience from Brown University, USA, and an M.Sc. in Neuroscience from the University of Oxford.



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**Harry Ballan, USA**

Harry Ballan is a senior partner at the international law firm of Davis Polk & Wardwell LLP and a director of the Institute for Music and Neurologic Function (IMNF), founded by Oliver Sacks. He is engaged in numerous research projects on music and the brain and has used therapeutic music to treat hundreds of patients with psychiatric and neurological disorders. At IMNF, he is the director of the program for Post-Traumatic Stress Disorder and Traumatic Brain Injury in Veterans, in which capacity he has worked with the U.S. Veterans Administration and Congress. Dr. Ballan has taught at Yale University, Columbia University, and NYU. He was a student at the Conservatoire Américain, and is a Fellow of the Tikvah Advanced Institutes. Dr. Ballan holds a B.A., M.A., M.Phil. and a Ph.D. from Yale University, and a J.D. from Columbia University.



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**Mathias Benedek, Austria**

Mathias Benedek is a senior scientist at the Department of Psychology, University of Graz, Austria. He is interested in individual differences in creativity, intelligence and personality, and his research focuses on cognitive processes underlying creative thought. Dr. Benedek has published numerous empirical articles in the fields of creativity research and cognitive neuroscience. He is a member of the APA Division 10 (Psychology of Aesthetics, Creativity, and the Arts), and he holds an M.Sc. from the University of Graz and a Ph.D. from the University of Kiel, Germany.

## Participants



### Mark Boulos, Switzerland/The Netherlands

Mark Boulos is a filmmaker and artist who lives and works in Amsterdam and Geneva. His recent work "Echo" (2013) is an interactive installation that induces a sense of dislocation and disembodiment, inspired by and made in collaboration with neuroscience researcher Olaf Blanke. Currently, Mr. Boulos is an artist-in-residence with the Agalma Foundation in Geneva, which promotes dialogue between neuroscience and psychoanalysis. His recent solo exhibitions include LAXART, Los Angeles; FACT, Liverpool; MoMA New York; the Stedelijk Museum, Amsterdam, and the Miami Art Museum. His recent group exhibitions include the Geneva Biennale of the Moving Image, the Berlin Biennale, the Sundance Film Festival, and the Sydney Biennale. Mr. Boulos holds a B.A. in Philosophy from Swarthmore College, Pennsylvania, and an M.A. in Film, Television, and Documentary Direction from the National Film & Television School, Beaconsfield, UK. He held a Fulbright Fellowship for Postgraduate Artist's Residency at Rijksakademie van Beeldende Kunsten, Amsterdam.



### Pieter Broucke, USA

Pieter Broucke is director of the Arts at Middlebury College. In this capacity he oversees seven academic departments and programs in the arts, the college museum, and performing arts center. He is a professor in the department of History of Art and Architecture, the associate curator of Ancient Art at the college museum, and the acting head of the Architectural Studies program. His scholarship focuses on ancient art and architectural history broadly defined. His most recent book is a co-edited exhibition catalog published in 2012 that contextualizes the Vermont quarry photographs of Edward Burtynsky. His current research project focuses on the early phases of design and construction of the Pantheon in Rome. In 2012, Dr. Broucke co-organized a symposium on creativity and collaboration at Middlebury College. That brought together artists, performers, and scientists for three days of presentations, performances, panels, and discussions. Currently he is preparing a new foundations course on visual culture that will rely, in part, on the neuroscience of visual communication and the mechanics of perception. Dr. Broucke holds a professional degree in architecture from Ghent, Belgium, an M.A. in Archaeology from the University of Minnesota, and a Ph.D. in Art History from Yale University. He is a Fellow of Session 468 "The Performing Arts in Lean Times: Opportunities for Reinvention" (2010).



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**Suzanne Burgoyne, USA**

Suzanne Burgoyne is the Curators' Distinguished Teaching Professor of Theatre at the Department of Theatre, University of Missouri. She has also taught directing and dramaturgy at the National Theatre Institute of Belgium. She has been editor of *Theatre Topics*, vice-president for Professional Development for the Association of Theatre in Higher Education and has published articles on directing and American drama in *Theatre Journal*, *American Drama*, *Theatre Topics*, and *Text and Performance Quarterly*. She is a co-founder of the MU Interactive Theatre Troupe, and served as a co-investigator on two major MU grants using interactive theatre. Her research is related to the scholarship of teaching and learning in theatre and the impact of interactive theatre on audiences. Dr. Burgoyne holds an M.A. in Theater from Ohio State University and a Ph.D. in Theater from the University of Michigan. She is a Fellow of Session 468 "The Performing Arts in Lean Times: Opportunities for Reinvention" (2010).



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**Julie Burstein, USA**

Julie Burstein is a Peabody Award-winning producer, TED speaker, and best-selling author who has spent her working life in conversation with highly creative people – interviewing, probing, guiding, and creating live events, public radio programs about them and their work. In her book *Spark: How Creativity Works*, she maps out some of the coordinates and dimensions of creativity through stories about contemporary writers, artists, film directors, dancers, architects, and musicians. Ms. Burstein is the host and producer of *Spark Talks* at The Metropolitan Museum of Art, and creative consultant for TEDxMet, the first TED at an art museum. She is the creator and founding executive producer of *Studio 360*, public radio's premiere program about creativity and the arts, and frequently speaks about creativity at universities, corporations, and international forums.

## Participants



### María Fernanda Cardoso, Australia

María Fernanda Cardoso incorporates the rigors of scientific investigation into a body of work that moves freely between sculpture, photography, installation, and performance. Known internationally for her project *The Cardoso Flea Circus*, the artist's early works incorporated materials with a strong link to Colombian traditions as well as native animal species to create sculptures that, as described by Carolina Ponce de León, sought to "displace, superimpose, and connect different cultural contexts." Her ongoing project *MoCo* (*Museum of Copulatory Organs*) investigates the complexity of reproductive organs in both plant and animals. Her artwork has been exhibited in over 30 countries and in prestigious institutions like the Museum of Modern Art in New York, the Museum of Contemporary Art in Sydney, the Centre Georges Pompidou and the Sydney Opera House. Dr. Cardoso holds an M.A. in Sculpture from Yale University and a Ph.D. in Art Science from the University of Sydney.



### Lydia Courtney, USA

Lydia Courtney is an educator and a researcher of creative and effective American arts education. Her 16 years teaching choral music, theatre, voice and dance are preceded by seven years as a singer, dancer and actress. She is both an arts and public school advocate and has most recently spoken on the topics of the benefits of science, technology, engineering, math (STEM) and arts integration as well as the emotional component of effective education. Ms. Courtney holds a B.A. in both Vocal and Instrumental Music Education from Bowling Green State University and an M.A. in Music Education from Five Towns College in New York.



### Ian Cross, United Kingdom

Ian Cross is professor at the University of Cambridge, Faculty of Music, directing the Center for Music & Science and leading a lively group of graduate students and postdoctoral researchers in exploring music, its materials and its effects from a wide range of scientific perspectives. His current interests in relationships between language and music are reflected in his 2012 co-edited book for OUP, *Language and Music as Cognitive Systems*, and his 2013 paper in *AI & Society* "Does not compute? Music as Real-time Communicative Interaction". Dr. Cross holds performance and teaching diplomas on guitar from the Royal Academy and Royal College of Music in London, and holds a B.Sc. and Ph.D. in Music from City University, London.



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**Jennifer Crouch, United Kingdom**

Jennifer Crouch is an artist specializing in projects that combine art and science. Her work tends to consist of vast, detailed paintings, drawings, ceramic/glass ornaments and participatory works of art. One of the objectives of her work is to explore various modes of representation – from drawings, computer simulations and metaphor to biomedical images and mathematics – and examine how these modes are used in discovery, communication, and knowledge-creation. She is the current and founding artist-in-residence at the University College London's Centre for Advanced Biomedical Imaging. Ms. Crouch has worked as an artist alongside scientists at the Natural History Museum, the Gordon Museum of Pathology, Queen Mary University, and Imperial College London, and illustrated for the Anatomy Department at St George's University. She is the co-founder of the art-physics project "Jiggling Atoms", which explores the role of the visual arts in the communication and understanding of science, and promotes creative thought and practice in everyday life while demonstrating how science percolates into daily life. She has lectured at Central Saint Martins, Camberwell College of Art, The Arts University Bournemouth, and Northampton University. Ms. Crouch's work has been exhibited prolifically and was used in the recent Paddington Bear film. Ms. Crouch holds a B.Sc. in Physics from The University of Aberdeen, a B.A. in Illustration from Camberwell College, and a post-graduate degree in Medical Illustration from the Medical Artists Educational Trust.



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**Arne Dietrich, Lebanon**

Arne Dietrich is a cognitive neuroscientist and professor of Psychology at the American University of Beirut, Lebanon. His research focuses on the neural mechanisms underlying creativity, altered states of consciousness, and the psychological effects of exercise. Prof. Dietrich's major publications include a new framework for the neural basis of creative thinking, a mechanistic explanation for the flow experience, a comprehensive review article of neuro-scientific studies of creativity, and a new neurocognitive theory of altered states of consciousness, the transient hypofrontality theory. He is also the author of a widely-used textbook on consciousness. He has delivered numerous keynote lectures around the world and his research has been featured prominently in the international press. Prof. Dietrich holds a Ph.D. in Cognitive Neuroscience from the University of Georgia, USA.

## Participants



### Benjamin Ehrlich, USA

Benjamin Ehrlich is an independent writer and researcher based in New York, USA. He is a contributing editor to *The Beautiful Brain*, the digital magazine dedicated to neuroscience and art, and a participating member of *NeuWrite*, the collaborative working group for scientists and writers sponsored by Columbia University. He recently contributed writing and editing work to the popular psychology book *Sensation: The New Science of Physical Intelligence*. His translations from *Café Chats* were published in *New England Review*. He is currently developing a book about Ramón y Cajal and the discovery of the neuron. Mr. Ehrlich holds a degree in literary studies from Middlebury College, USA.



### Ben Folds, USA

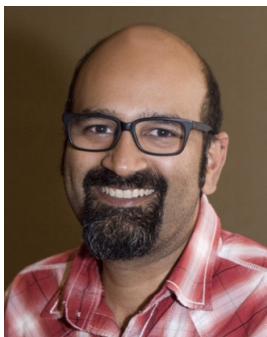
Ben Folds is a multi-platinum selling singer, songwriter and producer. He first found success with the Ben Folds Five. He has gone on to have a successful solo career writing, recording and performing pop hits, as well as a recent new concert for piano and orchestra. He achieved critical acclaim for his insight as a judge on NBC's a cappella competition "The Sing-Off" for the show's first five seasons. Over the past year, he has made cameo appearances in film and TV, including a role on Comedy Central's "Community." He has also written and recorded numerous songs for film and TV and serves as a member of the board of directors of the Nashville Symphony. Mr. Folds is an avid photographer. He recently did a keynote address on his photographic techniques at the prestigious PhotoPlus Expo in New York City, and is a member of the distinguished Sony Artisans of Imagery. He is an advocate for music education and music therapy as a member of Artist Committee of the Americans For the Arts. Mr. Folds owns and operates the historic RCA Studio A, once managed by Chet Atkins, and the home to thousands of legendary recording sessions in all genres of music from Elvis Presley to the Monkees, Dolly Parton to Kacey Musgraves, Tony Bennett to the Beach Boys, Brian Setzer to Hunter Hayes.



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**Steven J. Fowler, United Kingdom**

Steven J. Fowler is a poet, artist, martial artist and vanguardist. He works in the modernist and Avant Garde traditions, across poetry, fiction, sonic art, visual art, installation, and performance, often exploring notions of physicality, psychology, and trauma. He has published six collections of poetry and been commissioned by the Tate, Highlight Arts, Mercy, Penned in the Margins and the London Sinfonietta. His work has been translated into 13 languages and performed at venues across the world, from Mexico City to Erbil, Iraq. Mr. Fowler is the poetry editor of *3:AM Magazine* and is the curator of the *Enemies* project, for which he has won awards from the British Council, Arts Council England, the Austrian Cultural Forum, and Jerwood Charitable Foundation.



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**Sunil Gandhi, USA**

Sunil Gandhi is an assistant professor and fellow of the Center for the Neurobiology of Learning and Behavior at the University of California, Irvine. He is interested in the neural mechanisms that orchestrate critical periods in postnatal development. His recent work focuses on restoring juvenile plasticity to the adult visual system using neuronal transplantation. His published work has appeared in *Nature*, *Science* and the *Proceedings of the National Academy of Sciences*. He is a Searle Scholar and Klingenstein Fellow. Dr. Gandhi holds a B.Sc. from Stanford University and a Ph.D. in neuroscience from University of California, USA.



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**Daniel Glaser, United Kingdom**

Daniel Glaser is director of the Science Gallery at King's College. In this role, he works with colleagues across the College to develop projects and partnerships that explore the creative interface between science, health and the arts, pursuing new ways to connect a wider public with the research excellence of King's College. Dr. Glaser has an impressive range of experience across science, culture, engagement, education, and the media, and a long history of working in partnership to deliver bold, imaginative science and art collaborations. His scientific background involves the use of fMRI to examine how experience, prejudice and expectation alter the way we see the world. He was head of special projects at the Wellcome Trust, responsible for commissioning and funding initiatives to engage the public with health research. His work in the media includes a BBC television series on how science really works, numerous appearances on national and local radio, and features in many daily newspapers. He chairs the London Café Scientifique and is one of the Man Booker Prize 2014 judges. Dr. Glaser holds an M.A. in Cognitive Science from Sussex University and an M.A. in neurobiology from the Weizmann Institute in Israel, followed by post-doctoral work in brain imaging at University College London.

## Participants



**Usha Goswami, United Kingdom**

Usha Goswami is professor of Cognitive Developmental Neuroscience at the University of Cambridge, Fellow of St John's College, and director of the Centre for Neuroscience in Education. She has worked on reasoning by analogy and on reading and developmental dyslexia across languages, most recently studying language encoding by the brain with a focus on prosody. She has developed a range of neuro-educational interventions based on rhyme, poetry and rhythm, plus the software reading game GraphoGame Rime. Prof. Goswami has written many books and articles on child development and is a frequent speaker at national and international forums. She trained as a primary school teacher and holds a Ph.D. in psychology from the University of Oxford, UK.



**Mariale Hardiman, USA**

Mariale M. Hardiman is vice-dean of the Johns Hopkins University School of Education, professor of Education, and co-founder and director of Johns Hopkins' Neuro-Education Initiative (NEI). The NEI has been recognized as an innovative cross-disciplinary program that brings relevant research from the learning sciences through the mind, brain, and teaching masters, as well as doctoral courses and professional development programs. Her research and publications focus on enhancing educational practices through techniques that foster innovation and creative problem solving. Her current research includes a randomized control trial investigating the effects of arts integration on long-term retention of content and student engagement. She is also investigating how knowledge of the learning sciences influences teaching practices and teacher efficacy beliefs. Before joining Johns Hopkins, Dr. Hardiman served in the Baltimore City Public Schools for more than 30 years. With the use of the Brain-Targeted Teaching® Model that she developed, the school was recognized nationally for innovative arts programming. Dr. Hardiman holds a B.A. and M.A. in Education from Loyola University Maryland and a Ph.D. in education from Johns Hopkins University.



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**Noah Hutton, USA**

Noah Hutton is an award-winning filmmaker and founder of The Beautiful Brain. He curated and participated in numerous exhibitions and symposia around the world, most recently serving as curator for the 2014 *Impakt Festival* in Utrecht, Netherlands, and as a featured speaker at the 2013 Venice Biennale symposium on neuro-aesthetics. He created Brain City, a multi-platform project for the Times Square Arts Alliance in New York City, which featured a nightly journey through the brain on all the billboards of Times Square. His first feature-length film, *Crude Independence*, premiered at the 2009 SXSW Film Festival and won Best Documentary Feature at the 2009 Oxford Film Festival. He is working on a 15-year film about the Blue Brain Project, neuroscientist Henry Markram's quest to simulate an entire human brain on supercomputers. Mr. Hutton holds a degree in Art History and Neuroscience from Wesleyan University, USA.



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**Kevin Kallaugh, USA**

Kevin Kallaugh is the editorial cartoonist for *The Economist* and *The Baltimore Sun*. In a distinguished career, which spans 36 years, he has created over 8000 cartoons and 140 magazine covers, mounted a dozen international exhibitions, received honors in seven countries, and published six collections of his work. His most recent anthology of *Economist* cartoons is titled "Daggers Drawn". Mr. Kallaugh has created acclaimed animations and calendars, toured the US with Second City comedy troupe, and addressed audiences around the world. He is currently the artist-in-residence at University of Maryland Baltimore County and is the past president of the Association of American Editorial Cartoonists and Cartoonist Rights Network International. Mr. Kallaugh holds a degree from Harvard University.

## Participants



### Rebecca Kamen, USA

Rebecca Kamen is a sculptor and lecturer on the intersections of art and science seeking “the truth” through observation. Informed by research into cosmology, history, and philosophy, her work connects common threads that flow across various scientific fields to capture and re-imagine what the scientists see. She has researched collaborative projects at the Center for Astrophysics at Harvard University, the Kavli Institute at Massachusetts Institute of Technology, the Cajal Institute in Madrid, and the Neuroscience Program at the National Institutes of Health, where she was artist-in-residence in 2012. Her artwork has been exhibited both nationally and internationally. She is Professor Emeritus at Northern Virginia Community College, where her research and lectures explore how the arts and creativity can enhance innovation and the understanding of science. Ms. Kamen holds a B.Sc. in art education from Pennsylvania State University, an M.A. in art education from University of Illinois, and an M.F.A. in sculpture from Rhode Island School of Design.



### Rick Kemp, USA

Rick Kemp is the author of *Embodied Acting: What Neuroscience Tells Us About Performance*, and professor of theatre and head of acting and directing at Indiana University of Pennsylvania. He has over thirty years of experience as an actor and director gained in Europe and the USA, working with theatres and companies such as the Almeida, Complicité, Commotion, Tricycle, Harbourfront, Quantum, the Pittsburgh Playhouse, 404 Strand, Squonk Opera, Circulo de Bellas Artes, Teatr Polski, and the Bouffes du Nord. He holds a B.A. and an M.A. in English Language and Literature from Oxford University, and an M.F.A. in Performance Pedagogy and a Ph.D. in Theatre and Performance Studies from the University of Pittsburgh, USA.



### Kai Klepzig, Germany

Kai Klepzig is a Ph.D. student at the Department of Neuroradiology at the University of Greifswald. In his diploma thesis he dealt with strong emotional reactions such as shivers and chills in response to musical stimuli. Currently he is working in a project with stroke patients in order to evaluate lesions of certain anatomical structures with regard to their effects on emotional processing. To this day one of his main interests are the so-called aesthetic emotions, which can be experienced in the context of arts, and their psychophysiological fundamentals. Mr. Klepzig holds a diploma in Psychology from the University of Greifswald.



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**Ariane Koek, Switzerland**

Ariane Koek initiated, created and directed the first international arts program at CERN – the world's largest particle physics laboratory. Prior to CERN, she produced and directed award-winning work for both, television and radio, at the BBC and received awards for her directorship of the leading UK literature charity, the Arvon Foundation. She is a frequent keynote speaker and writes internationally about leadership, creativity, and innovation through the arts, science, and technology nexus. Her work and lectures have led to policy changes both on individual organizational levels and on the international political levels. She is a consultant on cultural strategy, working with cultural organizations and festivals across the arts, science, and academia to create and develop cultural programs which match as well as enhance organizational needs, profiles, missions, and values. Ms. Koek is an external expert for the European Commission on digital culture, a member of the CERN Cultural Board, as well as serves on advisory boards of both the House of Electronica Arts (HEK) in Basel and Pestival. She is also a member of the French national think tank on culture, the Forum D'Avignon. She holds an M.A. in Romanticism and Modernism from Southampton University. Ms. Koek was a keynote speaker on the Imagination with Charles Elachi, Director of the Jet Propulsion Laboratory, NASA in June 2013 at the annual Salzburg Global Seminar Board of Director's Strategy Weekend.

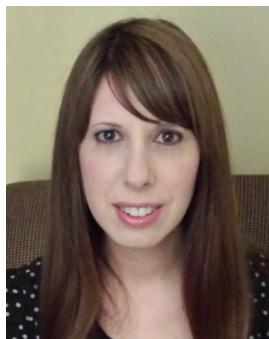


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**Joan Koenig, France**

Joan Koenig is the founder of Ecole Koenig, a private music conservatory in Paris. The school is a laboratory for innovative learning, and cultural entrepreneurship. Over the past 27 years, several thousands of students have benefited from the multi-faceted programs. Many have chosen to pursue careers in the arts. The school launched the first series of public Jazz master-classes in France with Herbie Hancock at the "Bouffes du Nord" theater in 1994. A professional production of "Peter Pan" with children launched a wave of musical comedy productions for and with children throughout France. The Ecole Koenig Kindergarten opened its doors in 2008, becoming the first musical and artistic pre-school in France. Ms. Koenig began playing the piano when she was five years old, followed by playing flute. She holds a degree from the Juilliard School and pursued her studies in France with Alain Marion.

## Participants



### Patricia Leavy, USA

Patricia Leavy is an independent scholar and author, who is widely recognized as a leader in arts-based research. She was an associate professor of Sociology and founding director of Gender Studies at Stonehill College, USA. Her seventeen books include “Method Meets Art: Arts-Based Research Practice”, “The Oxford Handbook of Qualitative Research”, “Fiction as Research Practice”, “Essentials of Transdisciplinary Research”, and the novels “Low-Fat Love” and “American Circumstance”. She edits five book series including the *Social Fictions* series, and blogs for *The Huffington Post* and *The Creativity Post*. Dr. Leavy holds a Ph.D. in Sociology from Boston College.



### Lisha Lercari, USA

Lisha Lercari is the creator and director of Music and the Brain (MATB), a program started by the 42nd Street Fund, and given to schools on a grant basis. MATB has been used in 200 New York City public schools, 30 around the USA as well as in other countries. MATB students, mostly 5-8 year olds, learn to understand and appreciate the language of music, read music, and play the piano. Ms. Lercari designed the materials, wrote the Piano Books and Teacher’s Manuals, and produced and directed the CD recordings and videos. She holds a B.A. in Music Theory and an M.A. in Music Education from the Manhattan School of Music, and studied three years in Paris with Nadia Boulanger.



### Soo-Siang Lim, USA

Soo-Siang Lim is the lead program director and chair of the Coordinating Committee for the Science of Learning Centers (SLC) Program at the US National Science Foundation (NSF). She has led this program since the first SLCs were established to provide intellectual, organizational, and physical infrastructure for addressing large-scale, complex problems about learning in humans, other animals, and machines. Dr. Lim has extensive experience in reviewing, managing, and overseeing interdisciplinary research in her work at the NSF. She serves on the Interagency Task Force for Arts and Human Development, spearheaded by the National Endowment for the Arts, in partnership with the U.S. department of Health and Human Services. Prior to joining NSF, she was an associate professor in the Department of Anatomy and Cell Biology at Indiana University, where she conducted research in cell biology and neuroscience. Dr. Lim holds a Ph.D. in Anatomy from the University of North Dakota, and did post-doctoral training at the University of Wisconsin-Madison, USA.



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**Siyuan Liu, USA**

Siyuan Liu is a neuro-imaging scientist who works at the National Institute of Mental Health. Until recently, he worked as a research fellow with Dr. Allen Braun in the Language Section, National Institute on Deafness, and Other Communication Disorders (NIDCD). His work at the NIDCD focused on understanding how language is initiated in the brain and how this process is disrupted by communication disorders, through the use of functional and anatomical imaging techniques. In this context, he has conducted studies of literary creativity that seek to link the creative process, the quality of the creative product and the impact of expertise to functional interactions between prefrontal and parietal systems. This model has recently been extended to include dynamic measures of entropy that appear to play a central role in these processes. Dr. Liu holds a Ph.D. in bioengineering from the University of Illinois at Chicago.



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**Manuela Macedonia, Austria**

Manuela Macedonia is a research scientist, currently working on the development and testing of intelligent agents, i.e. virtual animated figures teaching language on the base of neuro-scientific findings. Her work focuses on embodiment of language, particularly on how the body and action can be used as a tool enhancing memory in second language education. Her research spans the breadth of applied linguistics, education, cognitive neuroscience, and information engineering. She has published articles and books on diverse language topics and her aim is to unveil the fundamental cognitive basis of L2 learning processes as well as to develop efficient practice tools. Dr. Macedonia is a founder of Neuroscience for You, an institute for the dissemination of neuro-scientific knowledge into education. Dr. Macedonia holds an M.A. in Theoretical Linguistics and a Ph.D. in Applied Linguistics and Cognitive Psychology from the University of Salzburg.

## Participants



### Diego Malpede, Argentina

Diego Malpede is a member of the Foreign Service of Argentina. In the Ministry of Foreign Affairs, he worked extensively on legal, security, and global environmental negotiations. He served at the Permanent Missions of Argentina to the United Nations (UN) and other international organizations in Geneva and New York. He was a member of the cabinet of the 63rd United Nations General Assembly President. He served as research assistant for the Initiative on Science and Technology for Sustainability (ISTS) at the Belfer Center of Science and International Affairs of the Kennedy School, and joined the staff of the Third World Academy of Sciences in Trieste, Italy. He currently resides in Buenos Aires and works in the Directorate for Western Europe at the Ministry of Foreign Affairs. Mr. Malpede holds a law degree from the University of Buenos Aires and an M.A. in Public Administration from the Kennedy School of Government of Harvard University. He is a Fellow of Session 380 “Biotechnology: Policy Issues and Regulatory Frameworks” (2000).



### Malinda J. McPherson, USA

Malinda McPherson is a current M.Phil. student at the University of Cambridge Centre for Music and Science, under the direction of Dr. Ian Cross. She is a 2014-2015 Churchill Scholar, and a member of Churchill College. Ms. McPherson worked as a research assistant in the lab of Dr. Charles Limb, Hopkins Hospital Department of Otolaryngology-Head and Neck Surgery. Her research interests include the neural processes involved in creative emotional expression (specifically jazz improvisation), as well as the effects of rhythmic entrainment on the perception of emotion in music. Ms. McPherson holds a B.A. in cognitive science and music from Johns Hopkins University.



### Maira Monteiro Fróes, Brazil

Maira Monteiro Fróes is associate professor and research director at the Federal University of Rio de Janeiro, Brazil. She leads investigations in basic experimental science, covering biophysics of intercellular communication and neuroscience. More recently, she has done epistemological and experimental investigations at the art and (neuro)science interface. She is the coordinator of the interdisciplinary group Anatomy of Passion, founder and head of the corresponding Laboratory of Experimental Neuro-epistemology, and research director at the Institute Tercio Pacitti of Computational Applications and Research. Dr. Fróes holds an M.A. and a Ph.D. in Biological Sciences (Biophysics) from the Federal University of Rio de Janeiro, complemented at Albert Einstein College of Medicine, Yeshiva University, New York, and was a postdoctoral scholar at the Collège de France.



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**James Murray-White, United Kingdom**

James Murray-White is a filmmaker, writer, and researcher. He has worked in theatre and education across the United Kingdom and Ireland as well as an environmental journalist in the Middle East. Currently based in Cambridge, UK, he is filmmaker-in-residence within the Alzheimer's Research Network of Dementia Research, and is involved in the University Wellcome funded public engagement project about the MEG (magnetoencephalography) scanner. He writes widely on subjects ranging from the environment, anthropology, politics, and the politics of health and research, and is passionate about finding links between creativity and the sciences, and the processes of both. Mr. Murray-White holds a B.A. in Drama from the University of Hull, Humberside, a diploma in Human Ecology from the Centre for Human Ecology in Edinburgh, and an M.A. in Media from the University of the West England, Bristol.



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**Nicola Neumann, Germany**

Nicola Neumann is a research associate at the Institute of Diagnostic Radiology at the University of Greifswald, Germany, where she is interested in the areas of expertise and creativity. She worked with magnetencephalography and investigated the neural bases of special skills in autistic people and investigated the psychological aspects of brain-computer communication in severely paralyzed patients at the University of Tuebingen. Dr. Neumann holds degrees in Psychology and Philosophy and a Ph.D. from the University of Tuebingen, Germany.



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**Michael Öllinger, Germany**

Michael Öllinger is a cognitive psychologist and research scientist at the Parmenides Center for the Study of Thinking and a lecturer at the Psychological Department of the Ludwig-Maximilians University in Munich. He is interested in the understanding of human thinking, problem solving, and the development of thinking. He investigates why problem solvers get stuck in impasses and the cognitive mechanisms that help to overcome such impasses. He addresses the interplay of search and representational change as the foundation of problem solving and creativity. Furthermore, Dr. Öllinger is interested in the development of cognitive theories that conceptually incorporate behavioral and neuro-cognitive findings. Methodologically, he conducts behavioral, EEG, and fMRI experiments to get new insights into the fascinating world of human thinking and creativity.

## Participants



**Nigel Osborne, United Kingdom**

Nigel Osborne is a composer and human rights activist. He is co-chair of the World Economic Forum on Culture and emeritus professor of music at the University of Edinburgh. His works have been featured in most major international festivals and performed by many leading orchestras and ensembles, from the Moscow to the Berlin Symphony Orchestras, and from the Philharmonia of London to the Los Angeles Philharmonic. He has had close relationships with the Scottish Chamber Orchestra, City of London Sinfonia, London Sinfonietta, Hebrides Ensemble and Ensemble Intercontemporain, Paris, and has composed extensively for theatre. Prof. Osborne is winner of the Opera Prize of Radio Suisse Romande and Ville de Geneve, the Netherlands Gaudeamus Prize, the Radcliffe Award and the Koussevitzky Award of the Library of Congress, Washington. Prof. Osborne studied composition with Kenneth Leighton, Egon Wellesz, Arnold Schoenberg, and Witold Rudzinski. He also studied at the Polish Radio Experimental Studio, Warsaw. Prof. Osborne is a Fellow of Session 532 “*Conflict Transformation through Culture: Peace-Building and the Arts*” (2014).



**Daria Parkhomenko, Russian Federation**

Daria Parkhomenko is the founding director and curator of LABORATORIA Art&Science Space, the first exhibition and research centre in Russia focused on constructing platforms between contemporary art and science. Selected curatorial international projects include “Quantum Entanglement,” “Ice laboratory,” “Frontier,” and “Brainstorms. The Artist in the Context of Neuroscience,” “Dust,” “Neuroscientific experiment. Measuring the Magic of Mutual Gaze,” “Infusion,” “Tele-Present Wind,” and “The Egg Of Columbus”. She is the author of publications in Russia and abroad and teaches at Open School MediaArtLab. Ms. Parkhomenko holds degrees in Sociology, Art History and Cultural Management from Moscow State University and Moscow School of Social and Economic Sciences.



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**Mike Pope, USA**

Michael Pope is a world renowned jazz musician. He has travelled the world with the likes of Chick Corea, David Sanborn, The Manhattan Transfer, and many more. As an articulate educator, he has been sought out to speak in contexts where science and creativity are both discussed, and has been involved in research studies as both a subject and an analyst. Having much experience as an electrical engineer, as well, Mr. Pope brings a unique marriage of the subjective and objective to discussions about improvisation and musical creativity, in general. He has sat on panels at conferences such as The Johns Hopkins Brain Science Institute's "The Science of the Arts," alongside guitarist Pat Metheny and Baltimore Symphony music director Marin Alsop where he has made valuable contributions to the dialogue on science and creativity.



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**Sophie Scott, United Kingdom**

Sophie Scott is a Wellcome Trust senior fellow, and deputy director of the Institute of Cognitive Neuroscience at the University College London. She researches how the human brain processes sound, and how this relates to communication and the human voice. She is particularly interested in applying models and theories of non-human primary brain organization to the study of how humans engage with sound, and in exploring the varieties of processes that underlie perception and production of sound. She has worked with speech, music and emotional sounds, and has studied actors, impressionists and beatboxers. She has recently been addressing laughter, and has published an opinion paper on the social use of laughter in *Trends in Cognitive Sciences*. She is a fellow of the Academy of Medical Sciences, and has published over 100 peer reviewed scientific papers.

## Participants



**Paul Sowden, United Kingdom**

Paul Sowden is a reader and the director of ILLUME, the Faculty Creativity Research Centre at the University of Surrey, where he also leads the Enhancing Thinking Research Group. His research has spanned the breadth of experimental psychology and cognitive neuroscience using techniques including cross-cultural investigations, psychophysics, computational modelling, and neuroimaging. He has published numerous articles on diverse topics including visual expertise, learning and training, color perception, and creativity. His current work focuses on understanding the mechanisms of creative thinking processes, how they are influenced by factors such as mood, the physical environment, and artistic activities such as improvisation, and how this knowledge can support the design of interventions to enhance creativity. He is the international representative of the Society for the Psychology of Aesthetics, Creativity and the Arts. Dr. Sowden holds a B.Sc. and a Ph.D. from the University of Surrey.



**Wendy Sternberg, USA**

Wendy Sternberg founded the non-profit organization, Genesis at the Crossroads and has since directed their peace-building work through arts-integrated education and humanitarian initiatives worldwide. She forged national and international partnerships with over 35 institutions on four continents and founded Saffron Caravan, uniting professional musicians from Iran, Afghanistan, Cuba, Morocco, Israel, India and the United States for cross-cultural collaborative performance and educational programs. She masterminds the creative development and management of the future Genesis Academy for Global Leadership, an academically-rigorous boarding high-school, which embeds art throughout a trans-disciplinary curriculum to foster humanism and deepen critical thinking. Towards that end, she has created a body of inquiry-based salon programs on the intersection of human rights and development and the role of the arts to help shape and inform a humanistic society. Under her leadership, Genesis boasts over 100 award-winning programs, internationally-acclaimed by the United Nations, The Kennedy Center, Rotary, The King of Morocco, the US State Department and the British Council. A participant in the Clinton Global Initiative, Dr. Sternberg configured the Genesis Academy for Global Leadership as a scalable global model for peace education. Her medical career informs the healing aspects at the heart of Genesis at the Crossroads. Dr. Sternberg is a Fellow of Session 532 “*Conflict Transformation through Culture: Peace-Building and the Arts*” (2014).



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**Aryeh Lev Stollman, USA**

Aryeh Lev Stollman is a neuro-radiologist and assistant clinical professor of Radiology at the Mount Sinai Hospital in New York City. His first novel, *The Far Euphrates* (Riverhead) is an American Library Association Notable Book, a *Los Angeles Times Book Review* Recommended Book of the Year and National Book Critics Circle Notable Book. *The New York Times Book Review* has called *The Far Euphrates* "radiant . . . remarkable both for Stollman's eloquently understated prose and for the ease with which he constructs his artful plot." *The Far Euphrates* has been translated into German, Dutch, Italian, Portuguese and Hebrew. He is also the author of a second novel *The Illuminated Soul* (Riverhead), translated into German, Dutch and Italian, and a story collection *The Dialogues of Time and Entropy* (Riverhead). His story "Lotte Returns!" was commissioned and broadcast by National Public Radio. He has been a special guest discussing Creativity and the Brain on *Studio 360* hosted by Kurt Andersen.



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**Pireeni Sundaralingam, USA**

Pireeni Sundaralingam is a poet, cognitive scientist, and playwright. She is associate professor in the Department of Writing, Consciousness and Creative Inquiry at the California Institute of Integral Studies in San Francisco, USA. She has held national fellowships in both cognitive science and poetry and most recently, a fellowship in interdisciplinary thinking at Berlin's *Institut Für Raum Experimente*. She has held cognitive science research posts at Massachusetts Institute of Technology and the University of California Los Angeles, while her poetry has been published in over 20 journals, and translated into 5 languages. Literary awards include the N. California Book Award, the PEN Josephine Miles Book Award (for co-editing "Indivisible" the first national anthology of American poets from South Asia), and the 2014 award for Individual Artist from the San Francisco Arts Commission. Her most recent play *War Harvest*, staged by the Asian American Theater Company and the Exit Theater, explores the Sri Lankan genocide. Ms. Sundaralingam is a science advisor to the Irish Government's Department of Art and Heritage. Prof. Sundaralingam was educated at Oxford University.

## Participants



Photo Credit: RaRah Photography

### Shodekeh Talifero, USA

Shodekeh Talifero is a groundbreaking beatboxer and vocal percussionist who pushes the boundaries of the human voice. He currently serves as Faculty, Musical Accompanist and Composer for Towson University's Department of Dance and is the founding director of "Embody, A Music Series of the Vocal Arts", which strives for artistic and cultural unity through the many vocal traditions from the world from opera, throat singing, to beat boxing. Beatboxing is a form of vocal percussion of Hip Hop culture. Imitating and often replacing a drum set, drum machine or drum loop through a series of vocal effects or percussive sounds primarily produced by the larynx, nasal and oral cavities, beatboxing exemplifies the Hip hop philosophy of creating meaningful artistic expressions with limited resources at its most extreme. It replaces the source of the timeless Break Beat – with the human voice. Beatboxing has become a ubiquitous feature of the American city experience and soundscape. In recent years, Mr. Talifero has moved from beatboxing's Hip Hop roots to explore innovative collaborations with a wide range of traditional artists, including Tuvan throat singing, Lithuanian folk music, experimental, funk, jazz, rock, classical, ballet and various forms and techniques of modern dance. He is constantly striving to rhythmically channel the vast spectrum of sounds around him, not just through music, but via the channels of science, culture, history, mathematics and ethnomusicology.



### Alina A. von Davier, USA

Alina von Davier is a senior research director at Educational Testing Service (ETS) and an adjunct professor at Fordham University. At ETS, she developed the expertise and psychometric research agenda in support of next generation of assessments. Previously, she led a psychometric center for international tests, where she was responsible for the scores reported to about a million of test takers annually. She edited a volume on test equating, *Statistical Models for Test Equating, Scaling, and Linking*, and wrote several other books on psychometrics. Her novel approach to the assessment of collaborative problem solving skills gained attention recently. She is a frequent speaker at national and international forums on a variety of topics from statistics to educational assessment. Dr. von Davier holds an M.Sc. in Mathematics from the University of Bucharest, Romania, and a Ph.D. in Mathematics from the Otto von Guericke University of Magdeburg, Germany.



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**Phillip Yao, United Kingdom**

Phil Yao is currently a Rhodes Scholar at the University of Oxford studying education and business. His recent dissertation was a qualitative, exploratory study on the emerging phenomenon of teacher training through massive open online courses (MOOCs). He has worked in diverse areas of education, including early education with the Indian NGO Pratham, Common Core education with the U.S. Department of Education, computer science education with the Office of Mayor Michael Bloomberg, art education with the Metropolitan Museum of Art, and college education with the Harvard Educational Policy Committee. Mr. Yao holds an A.B. in Physics and Philosophy from Harvard University.



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**Jinghuan Zhang, People's Republic of China**

Jinghuan Zhang is a professor at the School of Psychology of Shandong Normal University, China. Her research interest have focused on creativity for almost 30 years and she has published several books and numerous papers on that topic. She studies the influential factors, such as family environment, teaching strategies, and classroom climate on the children's creativity development, as well as the creative eminence including creative scientists and teachers. Recently she began to examine the genetic basis of creativity and published two papers. Dr. Zhang holds a B.A. and an M.A. in education from Northeast University and Shandong Normal University respectively, and a Ph. D. from Beijing Normal University.

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## Observers



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**Eva Weissenbacher, Austria**

Eva Weissenbacher is a cultural manager and founder of the non-profit initiative Kunsthilfe Salzburg. "The art talks from soul to soul" is the credo of the Kunsthilfe Salzburg. The aim is to support young artists intellectually, practically, and financially. She has experienced the power of young artists many times and watched the enthusiasm young talented artists can bring into society. That's why she is also interested in the development of individual talent and skills, in order to be able to support young artists better and to connect the power and spirit of young art better with the world. Mag. Weissenbacher is a Fellow of the Session 479 "The Transformative Power of Music" (2011).

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## Participants by Citizenship

**Argentina**

Diego Malpede

**Austria**

Mathias Benedek

**Belgium**

Pieter Broucke

**Brazil**

Maira Monteiro Froes

**China**

Siyuan Liu  
Jinghuan Zhang

**Colombia**

María Fernanda Cardoso

**Germany**

Arne Dietrich  
Kai Klepzig  
Nicola Neumann  
Michael Öllinger

**Italy**

Manuela Macedonia

**Russian Federation**

Daria Parkhomenko

**Switzerland**

Mark Boulos

**United Kingdom**

Anna Abraham  
Ian Cross  
Jennifer Crouch  
Steven Fowler  
Daniel Glaser  
Usha Goswami  
Richard Kemp  
Ariane Koek  
James Murray-White  
Nigel Osborne  
Sophie Scott  
Paul Sowden  
Pireeni Sundaralingam

**USA**

Bruce Adolphe  
Clayton Aldern  
Harry Ballan  
Julie Burstein  
Suzanne Burgoyne  
Lydia Courtney  
Ben Ehrlich  
Benjamin Folds  
Sunil Gandhi  
Mariale Hardiman  
Noah Hutton  
Kevin Kallaughar  
Rebecca Kamen  
Joan Koenig  
Patricia Leavy  
Felicia Lercari  
Soo-Siang Lim  
Charles Limb  
Malinda McPherson  
Mike Pope  
Wendy Sternberg  
Aryeh Stollman  
Shodekeh Talifero  
Gary Vikan  
Alina von Davier  
Phillip Yao

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## Session Staff

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**Louise Hallman** is the editor at Salzburg Global Seminar. In her role she creates, commissions, and edits content for SalzburgGlobal.org; manages social media platforms; edits, writes and designs Salzburg Global's session brochures and reports; contributes features to external publications; liaises with visiting members of the press; and manages other in-house journalism and marketing projects. Prior to joining Salzburg Global in April 2012, she worked for the World Association of Newspapers and News Publishers (WAN-IFRA) as the manager and publication editor for their 'Mobile News in Africa' project, and the International Press Institute as a press freedom advisor and in-house journalist, where she focused on Latin America and Europe. During her studies, she undertook internships at media outlets including Al Jazeera and the Yemen Times. Louise holds an M.A. in international relations and Middle East studies from the University of St. Andrews, UK, and an M.A. in multimedia journalism from Glasgow Caledonian University, UK.



**Jan Heinecke** is the fellowship manager at Salzburg Global Seminar. In this role, he is in charge of fostering and expanding the exceptional international network of more than 25,000 Salzburg Global Fellows from over 160 countries, who have shared in the Salzburg Global experience. By meeting participants on-site during sessions as well as via Fellowship events and social media outreach, he helps maintain the Salzburg Global Fellows' engagement both with Salzburg Global and each other, long after they leave Schloss Leopoldskron. Prior to rejoining Salzburg Global in April 2014, Jan was a freelance event manager in Germany for several years, as well as working on a scholarship program for the Berlin-based Committee on Eastern European Economic Relations and with Dutch NGO SPARK in South East Europe. Jan holds a MA in social sciences from the University of Oldenburg, specializing in international relations and conflict resolution. During his studies he completed an internship with Salzburg Global Seminar in 2007.

## Session Staff



**Marko Kljajic** is a development intern at Salzburg Global, based in the offices at Schloss Leopoldskron, Austria. In his role he assists the Development Team with research on potential institutional and individual donors; drafts program related concept notes and proposals; revises concept, proposal, and research papers for clarity; and writes briefings to prepare executives for outside calls and meetings. In addition, he also provides the Program Team with research and administrative support as well as with the preparation and organization of core sessions. Prior to joining Salzburg Global in January 2015, he worked as a research assistant at his university's History Department and as a student mentor at the Political Science Department. From May to June 2014, Marko was selected as one of 12 university students across Canada to participate in an intensive seminar on Canadian battlefields in Europe. Marko holds a B.A. in International Relations and a Minor in Transitional Justice and Post-Conflict Reconstruction from Western University in London, Ontario, Canada.



**Stuart Milne** is the communications intern at Salzburg Global Seminar, and joined the organization in February 2015. His duties include updating the official social media accounts, interviewing Salzburg Global Fellows during sessions and writing articles for the website. After completing his Bachelor's degree he worked for International House as an English teacher in Ukraine and Portugal, before returning to his native Scotland to pursue his Master's. While living in Glasgow, Stuart interned at communications firm Wire Media and was a flash quote reporter for the Games News Service during the 2014 Commonwealth Games. He is a specialist pipe band correspondent for *Piping Today*, the magazine of the National Piping Centre in Glasgow. He holds an M.A. in International Relations from the University of St Andrews with a year abroad at the University of Pennsylvania, and an M.A. in Multimedia Journalism from Glasgow Caledonian University.



**Susanna Seidl-Fox** is the program director for culture and the arts at Salzburg Global Seminar, where she conceptualizes, develops, and manages several seminars and programs each year, including the recently-launched Salzburg Global Forum for Young Cultural Innovators. She has served Salzburg Global in various capacities including academic program coordinator, director of program development, and director of seminars. Before coming to Salzburg, Susanna worked as a simultaneous interpreter for the United States Department of State, interpreting primarily for the State Department's International Visitor Leadership Program. She also worked in publishing at Random House/Pantheon Books and at G.P. Putnam's Sons in New York. Susanna was a Fulbright Fellow, studying German theater and literature at the Universities of Mainz and Berlin, and conducted a comparative study of political cabaret in Germany in the Weimar Period and the 1970s. She holds a B.A. in German literature and in government from Dartmouth College, in New Hampshire, and an M.A. in translation and interpretation from the Monterey Institute of International Studies in California.

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**Clare Shine** was appointed vice president and chief program officer of Salzburg Global Seminar in 2012, after a career spanning law, business and the arts. She is a UK-qualified barrister with 20 years' experience as environmental policy analyst for inter-governmental organizations, national governments, the private sector and NGOs. A bilingual French and English speaker and professional facilitator, she is an associate of the Institute for European Environmental Policy and member of the IUCN Commission on Environmental Law. Her work and publications have focused on biodiversity, international trade, governance, transboundary cooperation and conflict prevention, with in-region capacity-building across four continents and the Mediterranean Basin. She has played an influential role in biosecurity policy development, working as legal advisor to the World Bank, European Commission and Council of Europe. She co-authored the European Strategy on Invasive Alien Species endorsed by 43 countries and recently advised the EC on implementing the Nagoya Protocol on access and benefit-sharing for genetic resources. She has been a regular freelance contributor to the Financial Times arts section since 2003. She began her career in industry after studying literature at Oxford University and holds post-graduate degrees from London University and the Sorbonne University, Paris.

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## Session Staff



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**Julia Stepan** works as a program associate at Salzburg Global Seminar, where she assists program directors with the development, administration, and logistics of several sessions per year. Prior to joining Salzburg Global in May 2011, she worked first as a nanny, then as a personal assistant in the US. Julia holds an M.A. in American studies, focusing on cultural studies, from the University of Graz, Austria and did a one-year student exchange at the University of Wisconsin - Eau Claire, USA.

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# Salzburg Global Seminar Staff

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**Patricia BENTON**, Vice President & Chief Operating Officer  
**Clare SHINE**, Vice President & Chief Program Officer  
**George ZARUBIN**, Vice President & Chief Development Officer

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**Astrid Schröder**, Program Director, Global Citizenship Program  
**Katharina Schwarz**, Special Assistant to the President  
**Susanna Seidl-Fox**, Program Director, Culture and the Arts  
**Ginte Stankeviciute**, Program Associate

## Hotel Schloss Leopoldskron

**Richard Aigner**, Hotel Operations Manager  
**Felix Bacher**, Receptionist  
**Andre Bobes**, Night Porter  
**Niklaus Geelhaar**, Receptionist  
**Ernst Kiesling**, Executive Chef  
**Margit Krenn**, Night Porter  
**Kristina Laugus**, Receptionist  
**Elisabeth Lenz**, Receptionist  
**Viktoria Liebl**, Service Supervisor  
**Julia Lienbacher**, Receptionist  
**Karin Maurer**, Reservations and Revenue Supervisor  
**Matthias Rinnerthaler**, Maintenance Supervisor  
**Karin Schiller**, Sales and Marketing Manager  
**Daniel Szelényi**, General Manager  
**Marisa Todorovic**, Housekeeping Supervisor  
**Manfred Soraruf**, Night Porter  
**Natascha Weissenbäck**, Event Sales Coordinator  
**Veronika Zuber**, Event Sales Coordinator

## Seminar Interns

**Mei Kuei Bohannan**, Program  
**Marko Klajic**, Development  
**Beth Milne**, Development  
**Stuart Milne**, Communications  
**Amanda Velez**, Library







## Why Salzburg

The mission of Salzburg Global Seminar is to challenge current and future leaders to solve issues of global concern. To do this we design, facilitate and host international strategic convening and multi-year programs to tackle systems challenges critical for the next generation.

Originally founded in 1947 to encourage the revival of intellectual dialogue in post-war Europe, we are now a game-changing catalyst for global engagement on critical issues in education, health, environment, economics, governance, peace-building and more. From the start, Salzburg Global Seminar has broken down barriers separating people and ideas. We challenge countries at all stages of development and institutions across all sectors to rethink their relationships and identify shared interests and goals.

Today, our program framework has three cross-cutting clusters and addresses the underlying questions that hold keys to human progress: **Imagination, Sustainability and Justice.**

Our exclusive setting at Schloss Leopoldskron enables our participants to detach from their working lives, immerse themselves in the issues at hand and form new networks and connections. Participants come together on equal terms, regardless of age, affiliation, region or sector.

We maintain this energy and engagement through the Salzburg Global Fellowship, which connects our Fellows across the world. It provides a vibrant hub to crowd-source new ideas, exchange best practice, and nurture emerging leaders through mentoring and support.

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SEMINAR