Welcome to the 86th Annual Meeting of the BioCommunications Association! Your Executive Board and the planning team have worked extremely hard all year in order to put together this incredible meeting!

We have 22 speakers, workshop leaders, as well as multiple opportunities for you to “Show Your Stuff” and present on the fly for Infoshares throughout the meeting. Topics include 3D printing, Adobe Lightroom, IVF microscopy, DSLR video, just to name a few. There will be hands on workshops as well as plenary lectures mixed throughout the week. Opportunities for exchanging knowledge and techniques with other professionals in your field and social activities are also part of our week, such as a visit to the Audubon Insectarium on Thursday morning.

We hope you will participate and become engaged with our program. It’s an educationally strong meeting and you will take away valuable new ideas and techniques to bring back to your workplace and improve what you do each day.

If you have any questions, during the week, please come to any board member or myself and we will address your questions.

Once again, welcome to the Big Easy, New Orleans for our 86th Annual Meeting. We hope you have a fantastic time of learning and interaction.

Adam Cooper, RBP, FBCA
Director of Conferences
Conference Committee
Adam Cooper, RBP, FBCA, Director of Conferences
Connie Johansen, RBP, President
Susanne Loomis, FBCA, Vice President
James Koepfler, FBCA, Secretary/Treasurer
Charlene Baron, MEd, FBCA, Director of Member Services
Karen Hensley - Director of Communications

Behind the Scenes
Daniel Beim, RIT Student, meeting photographer
Ken Meats, meeting videographer
Thomas Kryton, BFA, program design and layout

BioImages 2016 Judges
Paul Crompton, FBCA
Charles Hedgcock, RBP, FBCA
Kathleen D. Wagner, MFA, CMI
Will Willner, RBP, FBPA

BioCommunications Association (BCA)
389 Newport Avenue
Attleboro, MA 02703-5617
bca.org
office@bca.org
BioComm 2016 - Conference Agenda

Monday, June 20, 2016
9:00 AM to 5:00 PM  Executive Committee Meeting
5:30 PM to 7:00 PM  Kick Back
7:00 PM to 9:00 PM  Registration, Opening Reception, BioImages Salon

Opening and Awards

Tuesday, June 21, 2016
6:00 AM to 8:00 AM  Breakfast
8:00 AM to 8:15 AM  “Welcome and announcements”, Adam Cooper
8:15 AM to 10:00 AM  “Capturing the Moment”, Al Bello
10:00 AM to 10:15 AM  Break
10:20 AM to 11:00 AM  “Photography of Selected Specimens and Artifacts from the Collections of the National Museum of Health and Medicine”, Matthew Breitbart
11:00 AM to 11:30 AM  “3D Printing for Surgical Simulation, Tissue Expansion and Reconstructive Surgery”, Katherine Hanlon
11:30 AM to 1:30 PM  Lunch on your own
1:30 PM to 5:30 PM  “3D Printing Mini Symposium”, Derek Mathers (moderator), Leslie Oliver Karpas, Severine Valdant Zygmont, Jesse Knowles, and Derek Mathers
5:30 PM to 7:00 PM  Kick Back
6:30 PM to 8:00 PM  Dinner on your own
8:30 PM to 10:00 PM  “Evening Extended Show Your Stuff/Infoshare” (optional)

Wednesday, June 22, 2016
6:00 AM to 8:00 AM  Breakfast
8:00 AM to 8:15 AM  Mini Infoshare
8:15 AM to 9:30 AM  “10 Things Photographers Need to Know (but nobody tells them)”, Matt Kloskowski (Second Keynote Speaker)
9:30 AM to 9:45 AM  Break
9:45 AM to 11:30 AM  “The Ultimate Lightroom Workflow” (Part 1), Matt Kloskowski
11:30 AM to 12:00 PM  Group Photo
12:00 PM to 2:00 PM  Lunch; Business and Townhall Meeting
2:00 PM to 4:30 PM  “The Ultimate Lightroom Workflow” (Part 2), Matt Kloskowski
4:30 PM to 5:00 PM  “On Location Street Photography”, Adam Cooper
5:30 PM to 7:00 PM  Kick Back
5:00 PM to 8:00 PM  Dinner on your own
8:00 PM to 10:00 PM  Evening social event – Optional, attendees responsible for reservations and payments

Suggested Choices:
1. Insect Black Light viewing with Zach Lehman at the Audubon Insectarium, $60.00, includes transportation.
2. New Orleans Travel suggestions. Website: neworleans.com. Phone: 866-246-8617
   • French Quarter Vampire tour (8:30 PM - 10:30 PM)
   • Witches Brew Tour
   • French Quarter Ghost Walking Tour

Thursday, June 23, 2016
6:00 AM to 8:00 AM  Breakfast
9:00 AM to 9:20 AM  “In their own words: Digital stories from the Phoenix Project”, Paul Crompton
10:00 AM to 12:00 PM  Audubon Butterfly Garden and Insectarium. Includes guided tours by Insectarium Entomologists Zack Lemann and Jayme Necaise starting at 10:00 AM promptly (late comers will not be admitted). We will meet at the hotel and begin our walk at 9:30 AM.
   If not walking from hotel, attendees must meet at the museum at 10:00 AM so the whole group goes in together.
   423 Canal St., Custom House, New Orleans, LA 70130
12:00 PM to 1:30 PM  Lunch on your own, please watch your time, make sure to get back to hotel by 1:30 PM
1:30 PM-2:00 PM  “The Colorado River Day and Night”, Charles Hedgcock and Kathleen Velo
2:00 PM to 2:15 PM  Break
2:15 PM to 2:45 PM  “IVF photomicrography workshop on the sea urchin” (part1), Jim Wetzel
2:45 PM to 3:15 PM  “Roman Vishniac: The Curious Microscopist”, Norm Barker
3:15 PM to 3:30 PM  Break
3:30 PM to 4:00 PM  “Tasmania photos”, Jim Wetzel
4:00 PM to 5:30 PM  “IVF Photomicrography Workshop” (part 2), Jim Wetzel
5:30 PM to 7:00 PM  Kick back
CRAWFISH ÉTOUFFÉE
VEGGIE JAMBALAYA
BLACKENED CATFISH POBOY
7:00 pm to 8:00 pm Dinner on your own
8:00 pm to 10:00 pm “Wings of Life”, movie night with question and answer to follow, Louie Schwartzberg.
Includes ice cream sundae bar.

**Friday, June 24, 2016**

6:00 AM to 8:00 AM Breakfast
8:00 AM to 10:15 AM “DSLR Workshop”, Cliff Brewer (moderator), John Lemanski, and David Coleman
10:15 AM to 10:30 AM Break
10:30 AM to 11:15 AM “DSLR Filmmaking from Concept to Market”, Keven Siegert
11:15 AM to 11:45 AM “Design Considerations for Mobile Development”, Connie Johansen
12:00 AM to 2:00 PM Lunch
2:00 PM to 3:00 PM “Scientific Visualization in Online Education: 10.03x The Principles of Biopharmaceutical Manufacturing”, Betsy Scrip
3:00 PM to 3:30 PM Break
3:30 PM to 5:00 PM “Journeys Through Portals of Time”, Louie Schwartzberg, Anne Shiras Pioneer Lecture
5:30 PM to 7:00 PM Honors Reception
7:30 PM to 10:00 PM Honors Banquet
Al Bello graduated with a Liberal Arts degree from the University of New York at Stony Brook in 1989. In March of 1990 Al worked as Darkroom Manager for The Ring boxing magazine. Al soon found his way by photographing boxing on a weekend basis while processing, and printing film during the week. In 1993 Al landed a position as a junior photographer at Allsport which is now a part of Getty images.

Since Joining Getty, Al has become Chief Sports Photographer in North America on a very talented staff. He is assigned to cover sporting events and people in sport worldwide. He will be covering his Eleventh Olympic Games in Rio, Brazil in 2016.

He has worked on editorial assignments for Sports Illustrated, ESPN the Magazine, Time, Maxim, and The New York Times. He has also worked on commercial assignments for Everlast, Canon, Discovery Channel, Nike, Sandisk, TYR, Speedo, The UFC, and Spike TV

Al’s photographic skills extend beyond event coverage. He enjoys doing work with athlete’s one on one. He is competent in studio and on location lighting. Al is fully capable of transmitting photos on site. He also enjoys doing feature stories involving sport. Some of Al’s picture stories include “Cockfighting in Puerto Rico” “Santa Claus School” and a photo essay in 4x5 format on “The Faces of Boxing”


Matt Kloskowski is Vice-President of Photography at ON1 Inc. He is a Sony Artisan of Imagery, and author of over 20 books on post-processing (Lightroom & Photoshop) and photography. Matt calls himself a Landscape and outdoor photographer, because landscapes seems kinda limiting. He likes to shoot just about everything outdoors. Matt lives in the Tampa, FL area with his beautiful wife Diana, and his two teenage sons, Ryan and Justin.

Matt’s primary work at ON1 is to run a membership based program called ON1 Plus. He is available for member’s questions, critiques, and is always doing videos and stuff to work with the members to get better at photography and post-processing.

Matt teaches workshops and events throughout the year and has online classes at KelbyOne and CreativeLive. Matt is proud to have been inducted to the Photoshop Hall of Fame in 2014. His book Photoshop Compositing Secrets was awarded Editors Top Books of 2011 in the Arts & Photography category.

Visit his website, mattk.com, to view his work, download presets and read his blog.
Charles “Chip” A. Hedgcock is a Registered Biological Photographer and Fellow of the BioCommunications Association. His work is of the highest quality as shown by his participation in over one hundred solo and group exhibitions in galleries across North America and on an international level at places such as the Royal Photographic Society in Bath, England. He is widely published in the popular press linking science and the general public. He has created a special visual bridge that allows his work to speak to both science and art. Recently his work demonstrating the chemical defence of the Bombardier beetle was used by the New York Times.

The departments he supported for his years at the University of Arizona had many cover illustrations using his work in top scientific journals. His revealing images of what he refers to as the charismatic microfauna led one critic to say “Chip is to bugs what Weston was to peppers.”

He has advanced scientific knowledge through his work at the University of Arizona and the Sky Island Alliance. His participation in expeditions to parts of the United States Southwest and the Madrean Archipelago in Sonora, Mexico has directly led to the discovery and documentation of species of flora and fauna that had previously been unknown. He is a masterful problem solver as noted in his ability to document animal behavior.

Chip willingly shares his knowledge on various levels. He publishes in a wide range of media from scientific peer review to the popular press, works as diverse as our own Journal of Biocommunication to the New York Times. He edited the information on scorpions in the recent edition of “A Natural History of the Sonoran Desert” 2015, University of California Press. He lectures and conducts workshops on his techniques from a university academic level to his recent workshops at the North American Nature Photography Summit in San Diego, California. He is a frequent author and presenter of papers at the BIOCOMM meetings and often a leader at workshops.

Chip is a person of principle and integrity. His years of service to the BioCommunications Association on committees and the Board demonstrate his selfless service to the field. He also serves on boards and is active in photography and conservation organizations. All of his colleagues speak of his dedication and his generosity of spirit. A quote from a sponsor well sums up his reputation with “Chip is conscientious, highly professional, admirably ethical and deeply dedicated to using his art in service to science, natural history, and conservation.”
Louie Schwartzberg is an award-winning filmmaker whose notable career spans more than three decades providing breathtaking imagery using his time-lapse, high-speed and macro cinematography techniques. Schwartzberg is a visual artist breaking barriers, connecting with audiences, and telling stories that celebrate life and reveal the mysteries and wisdom of nature, people and places. His recent theatrical releases include the 3D IMAX film, Mysteries of the Unseen World, with National Geographic, narrated by Forest Whitaker, and the documentary, Wings of Life, for Disneynature, narrated by Meryl Streep.

Louie is a coveted speaker worldwide for inspirational corporate and nonprofit audiences and he is also active in the TED community. Videos of two of his most recent TEDx talks, namely one on Gratitude, are regularly cited among the top-watched TEDx talks of all time. A 16-episode web series based on Gratitude, premiered on Oprah.com in September 2015. He has also been featured on Oprah’s Super Soul Sunday on OWN and directed an environmental short film, What’s Possible, which opened the 2014 United Nations Climate Summit. His Moving Art series, which highlights the beauty of nature, is currently available on Netflix. In December 2015, his work was projected on St. Peter’s Basilica as part of Pope Francis’ Jubilee Celebration, in connection with the UN COP21 Paris Climate Conference, to bring attention to the current climate crisis.

For Schwartzberg, the greatest satisfaction is creating works that can have a positive effect on the future of the planet. “I hope my films inspire and open people’s hearts. Beauty is nature’s tool for survival – you protect what you love. If I can move enough people on an emotional level, I hope we can achieve the shift in consciousness we need to sustain and celebrate life.”
Norm Barker MS, MA, RBP, FRPS is a Professor of Pathology and Art as Applied to Medicine at the Johns Hopkins University, School of Medicine. He specializes in photomicroscopy and macro photography. He is a Fellow of the Biocommunications Association and The Royal Photographic Society. His work appears in textbooks, journals and museums worldwide. His photographs are in the permanent collections of more than forty museums including The Smithsonian, The George Eastman House, The American Museum of Natural History, The Nelson-Atkins Museum and The Science Museum in London.

Matthew Breitbart, Photographer, Contractor, ARP Sciences LLC, National Museum of Health and Medicine.

Matthew Breitbart is the photographer (Contractor, ARP Sciences LLC) at the National Museum of Health and Medicine in Silver Spring, MD. He has held this position since 2011. He graduated with a Bachelor of Fine Arts in Professional Photographic Illustration- Journalism (Photojournalism) from the Rochester Institute of Technology (RIT) in 2010.

Cliff Brewer is the Director of Media Support Services at Mayo Clinic. Brewer is responsible for a department of twenty-five media professionals. The department’s work spans Medical and Editorial Photography, Videography, Event Support Services, Video Conferencing and Engineering and Forms and Publications management for the Jacksonville Florida campus. Clikff has been leading media teams, working as a professional photographer and producing corporate videos for over twenty years.
David Coleman is a Producer/Director in the video production unit at the Mayo Clinic, and wears many different hats. Previously David produced nationally syndicated medical news for Mayo. He currently serves as Director of Photography and Colorist for video production where he spends most of his time working on patient education presentations. Additionally he is the Director of Photography working on historical short films for another unit within Media Support Services called Heritage Films. Coleman has been telling stories with a video camera for twenty-five years.

Adam Cooper, RBP, FBCA is the Director of Photographic Services for the newly monikered Northwell Health in Great Neck, New York (formerly the North Shore-LIJ Health System). He has been with the Health System since 1986. Adam has been involved with the BCA since he was a student at RIT in 1983. He has served in many capacities in the New York Chapter and on the national board of governors as Chair of Certification committee, Vice President, Program Chair, Workshop Chair and currently as Director of Conferences. Cooper enjoys doing street photography on vacations.

Paul Crompton has recently retired as Director of the Media Resources Centre at the University Hospital of Wales in Cardiff, UK. A regular presenter at conferences in the UK and North America he has published a number of papers in peer-reviewed journals. He has received awards for his clinical photography. His work was recognised with Honorary Fellowships of the BCA and IMI (UK) and he was 2014 Louis Schmidt Laureate. Although retired, Paul continues to support the Phoenix Project as an Associate of Cardiff University.
Katherine Hanlon, BFA is a medical photographer specializing in dermatology and skin imaging at Cincinnati Children’s Hospital. Working with a pediatric population has given her a unique perspective on effective skin imaging techniques that facilitate improved care and efficiency for the providers she works with. Her special interests include dermoscopy, cross-polarization, 3d imaging and photographic cataloging for medical education. She holds a BFA in photography from The Ohio State University.

Connie Johansen, RBP, is a Supervisory Multimedia Specialist for the National Geospatial-Intelligence Agency. She and her team of twenty interactive designers and developers are passionate about telling complex stories with interactive media. A thirty year member of the BCA she is President, as well as; past president and vice president, chapter chairperson, board of governors, certification committee, and management board for the Journal of BioCommunication. Her special interests are photomicrography, forensics, multimedia and mobile development. Johansen holds AA’s in both BioMedical Photography and Business administration and a BFA in Visual Communications/Digital Design.

Leslie Oliver Karpas is passionate about revolutionizing the world of design through 3D technology. Combining architecture, robotics, holography and industrial design and ten years experience with 3D printers, manufacturing engineering, and parametric algorithms he creates complex structures built with mechanized fabrication equipment. He is inspired by the interplay between digital and physical environments and is committed to developing game-changing 3D design and manufacturing processes that will redefine the consumer/product relationship. His firm Metamason, specializes in medical devices creating customized, user-oriented products. Metamason’s Respere an on-demand, patient specific CPAP masks is both ergonomic and beautiful.
**Jesse Knowles** works with 3dMD customers in hospitals, universities, government agencies and manufacturing companies in the Americas to help them achieve their 3D imaging objectives. Users such as imaging professionals, researchers, surgeons and team coordinators need 3dMD applications including cleft/craniofacial, cancer, trauma, prosthetics, genetics, oral surgery, breast reconstruction, Head & Neck reconstruction, burns, facial recognition, biometrics, human factors and others.

**John Lemanski** joined the Mayo Clinic in 1991 and is currently the supervisor of Mayo Photography within the Division of Media Support Services in Rochester Minnesota and has over thirty years of photography experience in the scientific and healthcare community. His professional background includes staff photographer for the United States Air Force and the School of Aerospace Medicine and the Southwest Foundation for Biomedical Research in San Antonio Texas. Currently he oversees a staff of sixteen who are responsible for all patient photography and video as well as commercial photography. While enjoying all aspects of photography at Mayo Clinic, he is truly passionate about patient photography and video.

**Derek Mathers** is a product development consultant and business lead for Worrell’s Engineering and Advanced Manufacturing divisions. He specializes in the application of 3D printing technology to accelerate and improve manufacturing for leading brands in medical device and consumer products industries. Derek is also an Adjunct Professor at the University of Minnesota, teaching the University’s first manufacturing operations course in 3D printing and additive manufacturing.
Keven Siegert has been producing documentary films and video for nearly thirty years. He is a recipient of the “Golden Raster” award for lifetime achievement in media production from the Health and Sciences Communication Association (HeSCA) and winner of multiple international film festivals including Best of Show at the New England Independent Film Festival. In 2000, Keven was named “Video Artist of the Nineties” by the Tucson Citizen and was awarded a Pima County Artists Fellowship.

He is an avid outdoorsman and often conveys his experiences in the wilderness to his work as a painter and photographer. He produces artistic projects in many mediums through his production company, Telepathic Stuntman (telepathicstuntman.com).

Betsy Skrip is a Scientific/Medical Illustrator and Animator with over 7 years’ professional experience (betsyskrip.com). She earned her MFA in Medical Illustration from RIT and is the Science Visualization Specialist at MIT’s Center for Biomedical Innovation (cbi.mit.edu). Betsy is the Art Director and Illustrator for CBI’s 10.03x Making Biologic Medicines for Patients: The Principles of Biopharmaceutical Manufacturing—a 6-week MITx course offered on edX (ow.ly/O2vPA).

Kathleen Velo MA, MFA, makes photographs using pinhole and plastic cameras, as well as mixed media images. She teaches traditional and digital photography classes at Pima Community Colleg in Tucson, AZ, as well as pinhole workshops locally and internationally.

Velo has a BFA in sculpture, MA in Art Education, and MFA in photography and is a Fulbright scholar who exhibits nationally and globally. Her numerous grants include; Artist Project Grant (Arizona Commision on the Arts), United States State Department in London and the Fulbright commision along with many artist residencies.
Severine Valdant-Zygmont, is President of Oxford Biomaterials which specializes in innovative material solutions for the biomedical and aerospace industries. Continuously challenged to take on new responsibilities she has learned key business and management skills. She has 15 years of experience in the field of high performance thermoplastics and 12 years of leadership experience in operations management, advanced manufacturing, business planning, and capital raising. Severine has led OPM into an additive manufacturing and advanced materials company, becoming the first medical device manufacturer to receive 510(k) clearance for 3D printed patient specific polymeric facial implants.

Jim Wetzel’s primary position in science is in the area of developmental biology. Therein, the events of gametogenesis, fertilization, and early embryonic development are his research emphasis. Due to the transparent egg, the sea urchin embryo serves as a model system for IVF, and through photomicrography students can document the entire embryonic cycle within a 48 hour period and compile a complete series of images of these stages of normal development. He will provide those in attendance with vials for preserving the embryos we generate. They can be used for further imaging after the conference.
The BioCommunications Association, or BCA, is an international professional association of people working in the biological communications field. BCA wants to assist you in maximizing your success using images to communicate. With educational resources, programs, materials and a network of colleagues able to offer advice and support, BCA is equipped to address your professional needs. If you are concerned with effective visual communication in the life sciences and medicine, there is a place for you in the BCA.

The BioCommunications Association is dedicated to enhancing the professional competency of its members and advancing the profession by educating and developing creators and users of visual communication media in the life sciences and medicine.