

Commemorative Agenda

*National Academy of
Future Physicians and Medical Scientists*



GREATNESS AWAITS

**CONGRESS *of* FUTURE
MEDICAL LEADERS**

**June 25, 26, and 27,
2018**

GREATNESS AWAITS



MARIO CAPECCHI, Ph.D.

Science Director, National Academy of Future Physicians and Medical Scientists; Winner, 2007 Nobel Prize in Physiology

or Medicine; Winner, 2003 Wolf Prize in Medicine; Winner, 2001 Lasker Award; Recipient, 2001 National Medal of Science; Mario Capecchi, Ph.D., a biophysicist, is a Distinguished Professor of Human Genetics at the University of Utah School of Medicine. He is best known for his groundbreaking work in gene targeting in mouse embryo-derived stem cells. He was awarded the 2007 Nobel Prize in Physiology or Medicine, along with Martin Evans and Oliver Smithies, for their work in finding ways to manipulate the mammalian genome by inserting new genes into cells. This research led to the breeding of “knockout mice” and “knock-in mice,” animals with a single gene removed or inserted. Dr. Capecchi’s knockout mice allow scientists complete freedom regarding how to manipulate the DNA sequences in the genome of living mice. His research interests include analysis of early mouse development, neural development in mammals, gene therapy, and production of murine models of human genetic diseases.



RICHARD ROSSI

Master of Ceremonies, Congress of Future Medical Leaders; Founder and Executive Director, National Academy of Future Physicians and Medical Scientists

Richard Rossi serves as President and Executive Director of the National Academy of Future Physicians and Medical Scientists. Mr. Rossi is a co-founder of two of the world’s largest and most prestigious enrichment programs for high-achieving students. During the 27 years of Mr. Rossi’s guidance, more than 650,000 primary, middle school, secondary school and college students from more than 118 countries attended these academic programs focusing on leadership and career development. One program was designed to honor, inspire, and motivate the nation’s most promising future physicians. More than 100,000 students graduated from this medical program, and many now serve in leading medical positions around the world. In 2009, Mr. Rossi co-created one of the largest gatherings of high-achieving youth in Washington history: 15,300 young men and women came together to experience the historic nature of President Barack Obama’s first inauguration. Mr. Rossi serves on the Board of Directors of Pinnacle Care, a prominent private health advisory company in Baltimore, Maryland. He now devotes himself to the National Academy of Future Physicians and Medical Scientists and other academic programs on a full-time basis.

Monday • June 25

COLOR GUARD PRESENTATION— U.S.S. CONSTITUTION COLOR GUARD

SINGING OF THE NATIONAL ANTHEM —BENJAMIN BLICKHAN, PRAIRIE VILLAGE, KS

SHREE BOSE

*Grand Prize Winner, 2011
Google Science Fair;
Co-founder, Piper*

At age 17, Shree Bose triumphed over 10,000 competitors to become the Grand Prize Winner of the first-ever Google Global Science Fair in 2011. For her winning research, Ms. Bose discovered how ovarian cancer cells grow resistant to a chemotherapy drug called cisplatin. Her work has opened up new avenues for research and medicine, and she has presented to former President Obama and directors of the National Institutes of Health. Ms. Bose is also a passionate advocate for better STEM education, and is the co-founder of Piper, a company creating education toys for kids. Ms. Bose is currently attending Duke University School of Medicine where she is pursuing a dual M.D./Ph.D.



ARA SUPPIAH, M.D.

*Functional Sports
Medicine Expert*

Ara Suppiah, M.D., is a lifelong athlete seeking to answer the question, “How

can I make an elite athlete perform at his or her fullest potential, consistently, without breaking down?” That quest led him to create Functional Sports Medicine, a practice of medicine based on amending the six pillars of dysfunction. In March 2014, Dr. Suppiah was appointed as the first Medical Analyst on *NBC Sports’* Golf Channel. Dr. Suppiah has been a physician on the European Tour, the PGA Tour, and multiple Ryder Cup teams. Currently, he remains a highly sought-after sports physician on the PGA Tour, the LPGA Tour, and the USTA. Dr. Suppiah practices as an ER physician at Florida Hospital.



BOHDAN POMAHAC, M.D.

*Harvard Medical School
Professor; Director,
Plastic Surgery
Transplantation Program*
Bohdan Pomahac, M.D., established the Plastic



Surgery Transplantation program at Brigham and Women’s Hospital, the nation’s leading center for face transplantation. In 2009, Dr. Pomahac’s team performed the second partial face transplant in the country. After the successful transplantation, he was awarded numerous contracts and grants from the Department of Defense to perform and investigate the outcomes of face transplantation. In March 2011, he led the surgical team that performed the first full face transplant in the country. Dr. Pomahac and his collaborators are currently investigating immune tolerance protocols, outcomes of face and hand transplants, as well as perfusion systems for maintenance of tissue viability.

CARMEN BLANDIN TARLETON



*Recipient of one of the world’s
first full face transplants*

On June 10, 2007, Carmen Blandin Tarleton’s estranged husband broke into her rural Vermont home, beat her

with a baseball bat, and doused her with industrial-strength lye. Doctors called it “the most horrific injury a human being could suffer.” Ms. Tarleton spent the next three-and-a-half months in a medically induced coma, and when she awoke, it was to an unimaginable reality: she was blind and permanently disfigured, with burns covering more than 80% of her body. With so much taken away, no one could have anticipated what Ms. Tarleton would gain from her experience: an awakening, a purpose, and joy. By sharing her struggles and ultimate victory over catastrophic loss, Ms. Tarleton proves that life is a choice and offers a rare glimpse into the best and worst corners of the human heart.

JACK ANDRAKA

*Grand Prize Winner, 2012
Intel International Science
and Engineering Fair*

Jack Andraka is a breakthrough inventor, scientist, and cancer researcher. When Mr. Andraka was 15 years old, he created a new diagnostic test for pancreatic cancer that is 28 times faster, 26,000 times less expensive, and over 100 times more sensitive than the then-current diagnostic tests. And in case that is not impressive enough, the test also works for ovarian and lung cancer. His diagnostic test earned him first prize at the Intel International Science and Engineering Fair, the world's largest pre-college science research competition. Mr. Andraka is currently attending Stanford University.



ZACK SHINAR, M.D.

*Board-Certified Emergency
Physician, Sharp Memorial
Hospital*

Zack Shinar, M.D., has forged new frontiers in the world of resuscitation. He has pioneered the use of Extracorporeal Membrane Oxygenation (ECMO) and Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) in emergency departments. He is the conference director for Reanimate, an ECMO and REBOA training course and is published in ECMO and left ventricular assist device literature. Dr. Shinar works at Sharp Memorial Hospital in San Diego, California, as a board-certified emergency physician.

JIM KWIK

*Founder, Kwik Learning and
SuperheroYou*

Jim Kwik is the founder of Kwik Learning and a widely recognized world expert in speed-reading, memory improvement, brain performance, and accelerated learning. For two decades, he has served as the mental coach to students, seniors, entrepreneurs, and educators, and as advisor to many of the world's leading



CEOs and celebrities. KwikLearning.com's online courses are used by students in over 100 countries. He is the founder and curator of SuperheroYou – Change Your Brain, Change The World – an annual learning conference and media property featuring a handpicked all-star expert faculty and an audience of dynamic thinkers, doers, and dreamers.

TUESDAY • JUNE 26



JANELLE TAM

*Winner, 2012 Sanofi
BioGENEius Challenge
Canada*

Janelle Tam has discovered that cellulose, a material found in trees that helps them stand up straight, is an antioxidant with potent anti-aging properties. Ms. Tam's study of minute particles in tree pulp known as nanocrystalline cellulose led to an "aha!" moment for the young innovator - she had unearthed a super-durable material that has the power to fight disease and prevent aging. This unbelievable discovery won Ms. Tam the 2012 Sanofi BioGENEius Challenge Canada, a national competition for young scientists.

RICK SACRA, M.D.

*Humanitarian Physician and
Ebola Survivor*

Rick Sacra, M.D., contracted Ebola while serving in Liberia, West Africa, was cured of the disease, and returned to Liberia to continue serving as a medical missionary. Dr. Sacra has served as a medical missionary in Liberia since 1995. His many contributions include caring for patients; training nurses, medical students and interns; and helping to increase the hospital's response to HIV and AIDS. He is also helping to develop a Christian Family Practice Residency training program for Liberian doctors. Dr. Sacra currently divides his time between Massachusetts and Liberia.



LARRY HESTER

Recipient of a Bionic Eye

Larry Hester was diagnosed with retinitis pigmentosa when he was in his early 30s. The degenerative disease blinds patients, and at the time of his diagnosis there were no known treatments. Mr. Hester is one of several people in the United States to have a bionic eye - an Argus II Retinal Prosthesis Device. The device sends light signals to his brain, allowing him to see for the first time in 33 years. Mr. Hester is eager to provide researchers with information they can use to further enhance the technology, so that future generations of patients will benefit from his pioneering effort.



GEORGE M. CHURCH, Ph.D.



Harvard Medical School, Professor of Genetics

George M. Church, Ph.D., is a founding member of the Wyss Institute, and director of PersonalGenomes.org,

the world's only open-access information on human genomic, environmental, and trait data. Dr. Church developed the first methods for the first genome sequence, thus contributing to nearly all "next generation sequencing" methods and companies. His team invented CRISPR for human stem cell genome editing and other synthetic biology technologies and applications, including new ways to create organs for transplantation, gene therapies for aging reversal, and gene drives to eliminate Lyme disease and malaria. He has co-authored 450 papers, 105 patents, and one book, *Regenesis*.

DEBORAH BEDOR, Ph.D.

CEO, College Admission Central

As one of the nation's top admissions experts, Deborah Bedor, Ph.D., has had the pleasure of coaching and advising top tier, Ivy League, and celebrity pre-college students for the past 25 years, guiding them to acceptance



into our nation's finest universities. Dr. Bedor is a recipient of the Schaff Memorial Prize for Scholarship. She works with students globally on every part of the college application process to help them become standout candidates.

DEEPIKA KURUP

Grand Prize Winner, 2012 Discovery Education 3M Young Scientist Challenge; CEO, Catalyst for World Water



Deepika Kurup, a current student at Harvard University, has been passionate about solving the global water crisis since she was in middle school. In 2012, Ms. Kurup won the grand prize in the Discovery Education 3M Young Scientist Challenge. She was also named one of Forbes' "30 Under 30", was the National Geographic Explorer Award Winner in the Google Science Fair, and presented at the White House Science Fair twice. Currently, she is CEO of Catalyst for World Water, a social enterprise aimed at bringing the water purification technology she has developed to those affected by the global water crisis. Ms. Kurup has presented at national and international conferences, TEDx events, TEDWomen, and the United Nations.



JIMMY "TABOO" GOMEZ

Board Member, The Biden Cancer Initiative; Grammy Award Winner

The multi-talented Jimmy "Taboo" Gomez is not just a member of the global chart-topping sensation, The Black Eyed Peas, but he has also focused his career towards his humanitarian goals. A cancer survivor since 2015, Taboo is committed to healthy living and fitness, including working out daily, dancing, and playing sports with his kids. In May 2016, Taboo became a global ambassador for the American Cancer Society, and he joined the board of the Biden Cancer Initiative in 2017. Taboo is now focused on using his voice to inspire people to live healthy, be preventative, and focus on mental health.

BRENDON BURCHARD

Founder, High Performance Academy

Brendon Burchard is the #1 *New York Times* bestselling author of *The Charge*:

Activating the 10 Human Drives that Make You Feel Alive. He is also the founder of High Performance Academy, the legendary personal development program for achievers. Mr. Burchard is regularly recognized as “one of the top business and motivation trainers in the world.” Mr. Burchard’s books, videos, newsletters, products, and appearances now inspire two million people a month worldwide. His books have been #1 on the *New York Times*, *Wall Street Journal*, *USA Today*, and Amazon.com bestseller list.



EMILY GAVIGAN

Anti-NMDA Receptor Encephalitis Survivor

Emily Gavigan was diagnosed with Anti-NMDA Receptor Encephalitis in

2010 during her junior year at the University of Scranton, after over a year of misdiagnoses. She went on to graduate with a double major in English literature and business management in December 2012. She holds a master’s degree in publishing from Rosemont College and works as a technical writer at Sanofi Pasteur. Ms. Gavigan is passionate about spreading awareness of autoimmune encephalitis so that no one else has to go undiagnosed for as long as she did.

GARY RICHTER, D.V.M.

Owner and Medical Director, Montclair Veterinary Hospital

Gary Richter, D.V.M., is a certified veterinary acupuncturist and certified veterinary chiropractor. As owner and medical director of Montclair Veterinary Hospital, Dr. Richter understands the benefits of both conventional and holistic treatment methods. His professional goal is to provide a center where pets can receive effective holistic



therapies in conjunction with the treatment and care from their general practice veterinarian.

DON W. CLEVELAND, Ph.D.

Winner, 2018 Breakthrough Prize in Life Sciences

Don W. Cleveland, Ph.D., has made field-leading contributions in cancer genetics and neurosciences.



He is currently a professor and chair of the Department of Cellular and Molecular Medicine at the University of California San Diego, as well as a member of Ludwig Cancer Research. He identified tau, the protein that misaccumulates in the affected neurons of Alzheimer’s disease and chronic brain injury. He received the Breakthrough Prize in Life Sciences for his development of a new class of “designer DNA drugs” for silencing disease-causing genes responsible for the major diseases of the nervous system, including ALS, Huntington’s, Parkinson’s, and Alzheimer’s diseases.

JEFF SPENCER, D.C.

Cornerman for World-Class Achievers



For 40 years Jeff Spencer, D.C., has served as The Cornerman™ to gold medal-winning Olympians, business

leaders and high performers who are ready to become champions and full potential players. He knows how to make winning big the new normal for individuals, teams and organizations because he’s been there - Olympian, sports scientist, artist, author, chiropractor, educator, father, and cornerman. He has been featured in *Fortune*, *Huffington Post* and *NPR*.

PAUL B. ROTHMAN, M.D.

Dean, Johns Hopkins School of Medicine; CEO, Johns Hopkins Medicine

As Dean of Johns Hopkins School of Medicine and CEO of Johns Hopkins Medicine, Paul Rothman, M.D., oversees both the Johns Hopkins Health System and the School of Medicine. A rheumatologist and molecular immunologist, Dr. Rothman's research focused on immune system molecules known as cytokines. Specifically, he has investigated the role these molecules play in the normal development of blood cells, as well as the abnormal development of these blood cell that leads to leukemia. Dr. Rothman received his medical degree from Yale University, earning a place in the Alpha Omega Alpha Honor Medical Society. He then trained at Columbia-Presbyterian Medical Center in internal medicine and rheumatology and accepted a postdoctoral fellowship at Columbia University prior to joining its medical school faculty.



MICHAEL S. BROWN, M.D.

Winner, 1985 Nobel Prize in Physiology or Medicine; Recipient, 1988 National Medal of Science



Michael S. Brown, M.D., and his colleague, Joseph L. Goldstein, M.D., won the Nobel Prize for their discoveries concerning the regulation of cholesterol metabolism. Dr. Brown and Dr. Goldstein discovered the low-density lipoprotein (LDL) receptor, which controls cholesterol in blood and in cells. They showed that mutations in this receptor cause familial hypercholesterolemia, a disorder that leads to premature heart attacks. Their work laid the groundwork for drugs called statins, which block cholesterol synthesis, increase LDL receptors, lower blood cholesterol, and prevent heart attacks. Dr. Brown is currently a Director at Regeneron Pharmaceuticals.

BRIANA WALTON, M.D.

Director, Female Pelvic Medicine and Reconstructive Surgery at Anne Arundel Medical Center



Briana Walton, M.D., is recognized as an expert in robotic/minimally invasive surgery and the treatment of fibroids, urinary incontinence, and pelvic organ prolapse. She has served as adjunct assistant professor of Obstetrics and Gynecology at Uniformed Services University of the Health Sciences and as an assistant professor of Obstetrics and Gynecology and Urology at Georgetown University School of Medicine. In the field of robotics, she has personally performed nearly 500 pelvic reconstructive surgeries. Internationally, she uses her clinical skills in the treatment of health care disparities.

KAY ANN HOSKEY, M.D.

Urogynecologist and OB-GYN at AAMC Women's Center for Pelvic Health
Kay Ann Hoskey, M.D., is a fellowship-trained and



board-certified urogynecologist and OB-GYN at AAMC Women's Center for Pelvic Health. Prior to joining AAMC, Dr. Hoskey was an OB-GYN physician at Naval Hospital Camp Lejeune, North Carolina, where she was a lieutenant commander in the Medical Corps, U.S. Navy. She was among the first surgeons in the country to be certified by the American Board of Obstetrics and Gynecology in Female Pelvic Medicine and Reconstructive Surgery. Dr. Hoskey is a fellow of the American College of Obstetricians and Gynecologists.

MARIE MIMIAGA

National Society of Collegiate Scholars

Marie Mimiaga is the Associate Director of Strategic Partnership and Programs for the National Society of Collegiate Scholars (NSCS), a leading certified honor society which recognizes and elevates high-achieving college students through scholarship, leadership, and



service. Ms. Mimiaga helped found NSCS' high school program, The Society of Torch & Laurel, which recognizes high school high achievers and provides them and their families with the vital resources to transition into college successfully. She also created the Torch & Laurel Mentorship Program, which pairs Torch & Laurel Scholars with high-achieving NSCS college mentors.

OLIVIA HALLISEY

Grand Prize Winner, 2015

Google Science Fair

Olivia Hallisey developed a novel diagnostic Ebola test, the "Ebola Assay Card"



(EAC). She determined early diagnosis was critical to arresting the epidemic's exponential growth. The EAC is inexpensive, rapid, and visual, indicating results through a color change, eliminating language barriers, and increasing ease of use. *TIME* selected her as one of its "30 Most Influential Teens of 2015". Former President Barack Obama selected her to be profiled in the November 2016 *WIRED* Frontiers issue, "Generation Excellent". Most recently, she has developed the "Lyme Assay Card" (LAC) for saliva-based early diagnosis of Lyme disease, and she is continuing research on this assay as a broad disease diagnostic with applicability for other ELISA assay-based diseases.

RAFAEL GROSSMANN, M.D., FACS



Surgeon, Eastern Maine Healthcare Systems

Rafael Grossmann, M.D., FACS, is a general, trauma, advanced laparoscopic and robotic surgeon. Throughout

his career, he has focused on tapping the power of technology to help give better, more humane medical care. As a healthcare futurist, being a full-time practicing surgeon gives him the rare skills, qualities and advantages that clinicians have but most technology innovators lack. That duality of expertise makes Dr. Grossmann a cross-trained expert who impacts and addresses both ends of the spectrum, diversifying the

target audience, feeding multiple interests and curiosities.

STEPHEN RAY MITCHELL, M.D., M.B.A.

Dean for Medical Education, Georgetown University

Stephen Ray Mitchell, M.D., M.B.A., currently serves as the Joseph Butenas Professor and Dean of Medical Education



at Georgetown University and is responsible for the overall operation, development, curriculum, and student affairs for the School of Medicine. He also opened and continues to be Director of the Georgetown University Hospital Childhood Arthritis Center. Dr. Mitchell has been honored numerous times for his teaching excellence, including receiving multiple "Golden Apples" for medical student education at Georgetown. In addition, he has received the Kaiser Permanente Award from the faculty for Outstanding Clinical Teacher in the Medical Center, as well as every residency teaching award in the Department of Medicine, including induction into the Sol Katz Society.



SEAN STEPHENSON, DCH

Speaker, Author, Therapeutic Life Coach

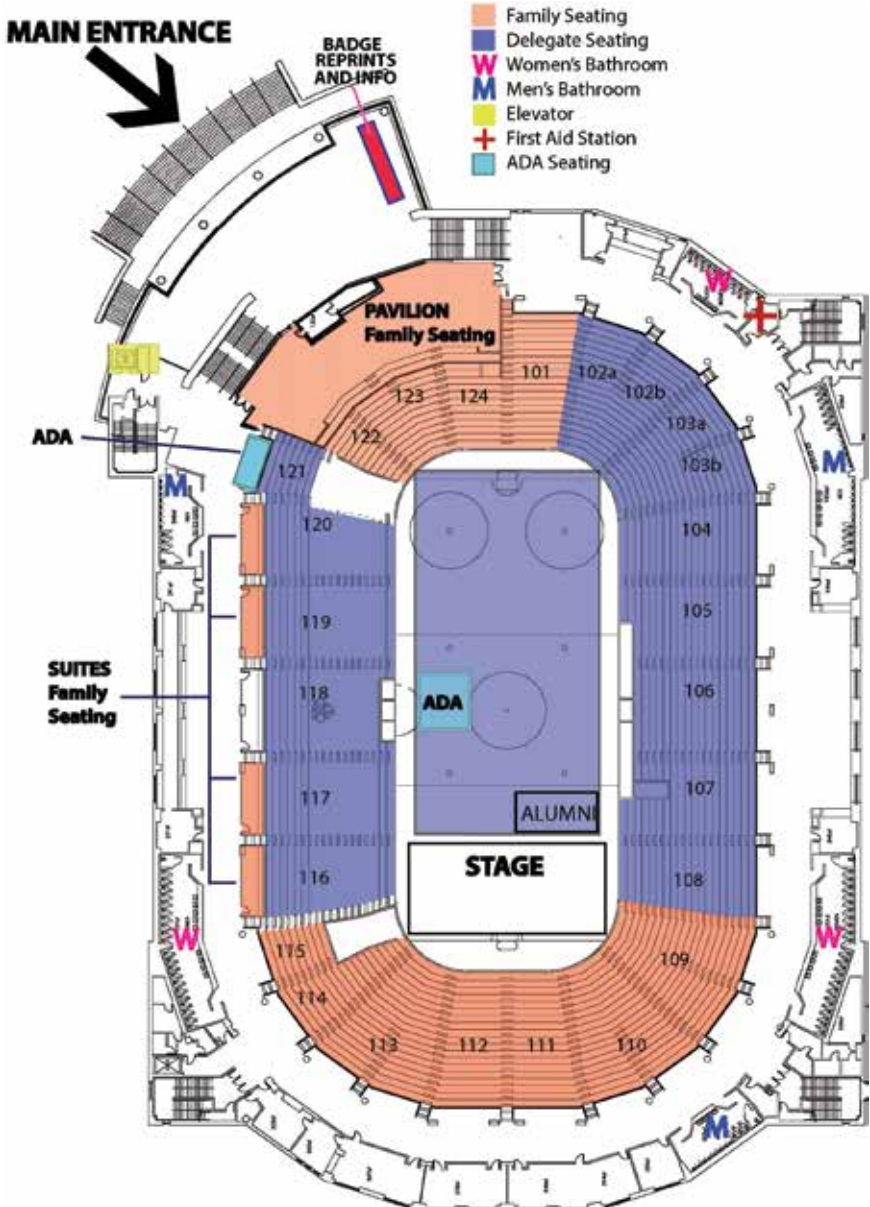
Sean Stephenson, DCH, was predicted not to survive at birth because of a rare bone

disorder that stunted his growth and caused his bones to be extremely fragile. Despite his challenges, he took a stand for a quality of life that has inspired millions of people around the world, including Sir Richard Branson, President Bill Clinton, and his Holiness the 14th Dalai Lama. Dr. Stephenson has appeared on a variety of shows including Oprah and *Jimmy Kimmel Live!*. The *Biography Channel* did a feature on his life called "Three Foot Giant". His latest book, *Get Off Your But*, has been released in 10 different languages around the world.

COMMENCEMENT AND DANCE

FAMILY AND DELEGATE SEATING

Family seating and standing room is available in seating designated by the **RED** areas. Seats in the **BLUE** areas are reserved for delegates.



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