



**2ND ANNUAL
AMOEBIA SUMMIT 2016**

Presented by Florida Hospital for Children

*2016 Summit
Program*

Web: Jordanssmile.org

Facebook: Jordan Smelski Foundation for Amoeba Awareness

Shelly Smelski: (407) 463-1036



Amoeba Summit 2016 Program

7 a.m. to 8 a.m.

Registration and Breakfast

8 a.m. to 8:15 a.m.

Open Remarks

Rajan Wadhawan, MD, MMM Chief Medical Officer, Florida Hospital for Children
Deborah Spielman, Chief Operating Officer, Florida Hospital for Children

8:15 a.m. to 8:30 a.m.

Florida Department of Health

Kevin Sherin, MD, Florida Department of Health in Orange County
Donna Walsh, Florida Department of Health in Seminole County

8:30 a.m. to 9 a.m.

Foundation Presentation

Jordan Smelski, Kyle Cares Amoeba Awareness
Philip T. Gompf, Memorial Fund for Amoeba-Season

9 a.m. to 10 a.m.

Keynote Speakers

Ibne Ali, MD, Centers for Disease Control and Prevention
Jennifer Cope, MD, MPH, Centers for Disease Control and Prevention
Alejandro Jordan-Villegas, MD, Florida Hospital for Children

10 a.m. to 10:15 a.m.

Break

10:15 a.m. to 10:30 a.m.

Introduction to Morning Breakout Sessions

10:30 a.m. to 12 p.m.

Breakout Sessions - Three Choices

Prevention and Awareness - Early Detection and Treatment - Research

12 p.m. to 1 p.m.

Lunch

1 p.m. to 1:45 p.m.

Group Presentation

1:45 p.m. to 2:15 p.m.

Panel Discussion

2:15 p.m. to 2:30 p.m.

Call to Action

JORDAN COLE SMELSKI (2002-2014)



Jordan Smelski graduated from the 5th grade at Wilson Elementary School in May 2014. Jordan was active in sports including soccer, football and baseball. Jordan excelled in academics, enjoyed writing and had a passion for art. Outside of school, Jordan loved fishing, swimming, horseback riding and zip-lining, but his greatest passion was video games. He loved to play video games with his family and friends. Jordan is fondly remembered by

his many close friends and family as a confident, determined, and an outgoing boy, who always wanted to go first, made friends easily, was charismatic and always smiling.

For his 2014 summer vacation, Jordan wanted to return to Costa Rica after having visited in 2011. The family summer vacation included horseback riding, zip-lining down a volcano, visiting an animal sanctuary, a butterfly laboratory, a frog exhibit, an aviary with Toucans, Macaws, and a hummingbird garden. One of the extra activities included swimming and going down a water slide into a hot spring fed swimming pool. This was the only time we went swimming in Costa Rica.

We were unaware that the hot springs water was not treated with chlorine before it was pumped into the pools and water slide. Repeatedly going down the slide forced water into Jordan's nose. Soon after returning home to Orlando, Jordan developed severe headaches and a neck ache and was rushed to the emergency room. Jordan was admitted later that day and passed away just three days later. It was determined Jordan had died of Primary Amoebic Meningoencephalitis (PAM) which is caused by the amoeba *Naegleria fowleri*.

JORDAN SMELSKI FOUNDATION for AMOEBIA AWARENESS

The Jordan Smelski Foundation for Amoeba Awareness: jordansmelskifoundation.org is spreading the word about the dangers of *Naegleria fowleri* and Primary Amebic Meningoencephalitis (PAM). We are working with All Children's Hospital John Hopkins Medicine in St. Petersburg, Florida to change the outcomes for PAM cases. We are raising funds for:

- Research into methods for early diagnosis, creating new care pathway for best treatment possible for PAM cases.
- Research to identify the actual number of PAM cases each year.
- Research to find a treatment that will stop the aggressive *Naegleria fowleri* amoeba.

JORDAN SMELSKI
FOUNDATION FOR AMOEBIA AWARENESS

Thank You Host Organization



*Florida Hospital for Children
Florida Hospital Church*

Special Thank You



*Jordan Smelski Foundation for Amoeba Awareness
Steve & Shelly Smelski, Parents of Jordan Smelski*

Thank You Partnering Organizations



*Florida Department of Health in Seminole County
Florida Department of Health in Orange County*

Thank You Presenters



Prevention and Awareness Workshop:

Participants will begin this facilitator-lead discussion on the most efficient and beneficial approaches for producing prevention and awareness messages and activities, for both lay audiences (general public) and health care providers, and the strategies for deploying the messages. This includes a discussion of messaging methods currently in use, as a starting point for expansion. Any unique and novel methods will be encouraged and considered as well, with the ultimate goal of effective messaging for prevention.

Early Detection and Treatment:

Participants in this facilitator-lead workgroup will prioritize early detection methods and treatment regimens. Existing detection methods and those possibly on the horizon will be discussed and prioritized. Critical questions will include local availability of miltefosine for initiation of early treatment, early detection techniques and care pathways, including history-based automatic alerting mechanisms which are currently in use in some hospitals, but could be more widely adapted.

Research:

Workgroup participants will prioritize research directions with the ultimate goal of preventing deaths from PAM. Research to: augment what is currently known regarding pathogenesis, virulence factors, sensitivity to existing therapeutic agents, and development of new therapeutic agents will be discussed, as well as the potential benefit of comparative genomic studies. Research approaches could be discussed to determine what mechanisms, if any, allow for the apparent "selective infection" of a single individual among a group of individuals, all with similar activities at the same time in the same freshwater location.

NOTE: All group facilitators will begin with suggested topics to initiate the activities. These workgroups represent the beginning efforts from this Summit towards the prevention of deaths from PAM, and will be active through the year, leading up to the third annual summit in 2017. Each group works in parallel with the other two workgroups. Periodic "virtual" meetings will be held through the year in this workgroup with "state of the art" web-based meeting tools, presented during the summit to workgroup participants.

Amoeba Summit 2016 Program Presenters



IBNE ALI, MD

Centers for Disease Control and Prevention

Ibne Ali, PhD is a biologist with the Waterborne Disease Prevention Branch in the National Center for Emerging and Zoonotic Infectious Diseases. He is the principal investigator of the Free-Living and Intestinal Amoeba's (FLIA) laboratory. He oversees the overall diagnostic and research activities of the FLIA laboratory which studies the free-living amoebae (*Naegleria*, *Balamuthia*, *Acanthamoeba*, and *Sappinia*) and intestinal amebae (*Entamoeba histolytica*, *E. dispar*, *E. moshkovskii*, and *E. bangladeshi*). Dr. Ali began his current position at the Centers for Disease Control and Prevention in December 2013. Dr. Ali obtained a BS and MS, both in Biochemistry from the University of Dhaka, Bangladesh. He received his doctoral degree from the London School of Hygiene and Tropical Medicine, University of London in 2005. He completed postdoctoral trainings at the Departments of Microbiology and Immunology at Stanford University, and at the Department of Infectious Diseases at the University of Virginia. Dr. Ali was faculty at the University of Virginia School of Medicine since 2010 prior to joining the Centers for Disease Control and Prevention in 2013.



ADRIANA CADILLA, MD

Pediatric Infectious Disease Specialist, Nemours Children's Hospital

Dr. Adriana Cadilla, MD, is a Pediatric Infectious Disease Physician at Nemours Children's Hospital in Orlando, Florida. She received her medical degree from Ponce School of Medicine in Ponce, Puerto Rico. She is known for her work at Nicklaus Children's Hospital in Miami, Florida, where she acted as the Pediatric Clerkship Assistant Director. This year she was appointed Assistant Professor in the Department of Pediatrics at the University of Central Florida College of Medicine. Dr. Cadilla is American Board of Pediatrics Certified in Pediatric Infectious Diseases, and she received the "Innovations in Infectious Prevention" Grant from the University of Chicago in 2011. Currently, Dr. Cadilla is the Chair of the Infectious Prevention and Control Committee at



JENNIFER R. COPE, MD, MPH

Medical Epidemiologist, Division of Foodborne, Waterborne, and Environmental Diseases, National Center for Emerging and Zoonotic Infectious Diseases, Centers for Disease Control and Prevention

Jennifer Cope, MD, MPH is a medical epidemiologist and infectious disease physician with the Waterborne Disease Prevention Branch in the National Center for Emerging and Zoonotic Infectious Diseases. She oversees the free-living amoeba program which supports clinical, epidemiologic, laboratory, and communication activities related to the free-living amebae (*Naegleria*, *Balamuthia*, *Acanthamoeba*, and *Sappinia*). Dr. Cope began her career at the Centers for Disease Control and Prevention in 2009 as an Epidemic Intelligence Service (EIS) officer assigned to the North Dakota Department of Health. She joined the Waterborne Disease Prevention Branch as a Preventive Medicine Resident in 2011 and transitioned to her current role as medical epidemiologist in 2013. Dr. Cope obtained a BS in Microbiology from Penn State University and received her medical degree from the University of Pittsburgh School of Medicine. She completed residency training in internal medicine at the Emory University hospitals and Grady Memorial Hospital in Atlanta and infectious disease fellowship training at the University of Maryland Medical Center in Baltimore. She is board certified in both internal medicine and infectious diseases.

Amoeba Summit 2016 Call to Action

Early Detection and Treatment

Additional Notes

Amoeba Summit 2016 Program Presenters



FRANCINE MARCIANO-CABRAL, PHD
Professor and Researcher, Virginia Commonwealth University School of Medicine, Richmond, Virginia

Dr. Marciano-Cabral is a Professor of Microbiology and Immunology specializing in working with pathogenic free-living amoebae including *Naegleria fowleri*, *Acanthamoeba* species and *Balamuthia mandrillaris*. These amoebae are the causative agents of Amoebic Encephalitis. *Naegleria fowleri* causes a rapidly fatal disease of the Central Nervous System (Primary Amoebic Meningoencephalitis) which is acquired from fresh water lakes and ponds. *Acanthamoeba* can cause

amoebic keratitis in addition to encephalitis. Amoebic keratitis is a painful eye infection which can lead to blindness and is more often found in contact lens wearers. She studies the disease process and using in vitro methods to understand the mechanisms of invasion of the Central Nervous System. Dr. Marciano-Cabral received her PhD from the University of Connecticut-Storrs, Storrs, CT, 1974.



KEVIN SHERIN, MD, MPH, MBA, FACPM, FAAFP
Health Officer, Florida Department of Health in Orange County

Kevin Sherin, MD, MPH, MBA, serves as Director & Local Health Officer for the Florida Department of Health in Orange County starting May 22, 2015. He was the Deputy Director of the Center for Chronic Disease Prevention and Health Promotion for the California Department of Public Health. Dr. Sherin also served in 2013 as Interim Director of Division of

Disease Control for the Florida Department of Health in Tallahassee. He is the current treasurer of the American College of Preventive Medicine (ACPM). Dr. Sherin is the immediate past chair of the ACPM Practice Committee 2012-2016. Dr. Sherin received the Gold Humanism Honor Society Award in March 2016 from Florida State University College of Medicine, where he is also a Clinical Professor of Family Medicine. He presented a Primary Amoebic Meningoencephalitis (PAM) webinar to the Seminole and Orange County Medical Societies in 2016 and authored resolutions on *Naegleria* to the American Medical Association and Florida Medical Association successful in 2016. He co-authored a letter to the editor of the American Family Physician on *Naegleria* in April 2016 with a circulation of 186,000 thousand.

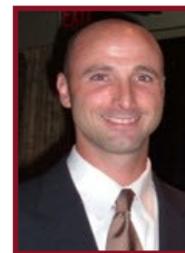


DEBORAH SPIELMAN
Assistant Administrator and Chief Operating Officer, Florida Hospital for Children

Deborah Spielman is the Assistant Administrator and Chief Operating Officer for Florida Hospital for Children. In her current role she has the operational oversight of the 200 tertiary beds, "Walt Disney Florida Hospital for Children," the children's emergency services, pediatric outpatient services and pediatric support services. Deborah has been employed by Florida Hospital for over 21 years. She began as a Physician

Relations Representative in December 1995, and in less than a year was promoted to Director of Business Development & Community Relations in April, 1996. In November 2003, she took the role of Administrative Director of Behavioral Health Services where she was responsible for the administrative, financial, operational and strategic direction for the Florida Hospital system, which included 75 inpatient psychiatric beds. In April 2008, she was appointed to the position of Assistant Vice President of the Florida Hospital Neuroscience Institute, which was ranked 38th nationally by U.S. News & World Report and #1 in the Orlando Metro area under her leadership. Debbie was responsible for the overall strategic direction for the neuroscience service line across all Florida Hospital campuses. Her success has led to her current role.

Amoeba Summit 2016 Program Presenters



VINCENT G. VALENTE, DO, FACEP
Fellow of the American College of Emergency Physicians

Vincent G. Valente, DO, FACEP graduated from Des Moines University, College of Osteopathic Medicine in 1997. He performed his internship at the Naval Hospital Camp Pendleton in Family Medicine. After fulfilling his commitment to the United States Navy as an aviation medical examiner in 2001, Dr. Valente went on to train in emergency medicine at Michigan State University in Lansing, Michigan. Since graduating in 2004, Dr. Valente has practiced in Michigan, New Jersey and for the past 8 years with Florida Emergency Physicians at Florida Hospital. Since

2010, he has been the Assistant Medical Director for Florida Hospital Emergency Medical Services and Flight Medicine program. This group of over 150 outstanding Emergency Medical Services providers performs more than 25,000 transports per year.



RAJAN WADHAWAN, MD, MMM
Chief Medical Officer, Florida Hospital for Children

Dr. Wadhawan has honed his interest in neonatal outcomes with a focus on neonatal nutrition and development. Thus, he has had multiple presentations at national and international meetings and is an author of several peer-reviewed publications. He has also received numerous teaching and research awards and grants during his career. As such, his expertise is called upon as a barometer of the field of neonatology—as a journal reviewer for the most respected pediatric, perinatology and neonatal publications, as well as an avid researcher and instructor. As an

award-winning instructor at Brown University and Assistant Professor at University of South Florida, Dr. Wadhawan has led future neonatologists toward a better understanding of the ever-advancing field. His dedication to those he serves, along with other specialists he collaborates with is evidenced in him serving on professional and academic steering, oversight and organizational committees and review boards.



DONNA WALSH, MPA, BSN, RN
Acting Health Officer, Florida Department of Health in Seminole County

Donna Walsh is the Acting Health Officer and Director of Community and Population Health at the Florida Department of Health in Seminole County. She is a proven leader and community liaison who is recognized for her expertise in the field of public health, serving on multiple community boards. Donna is a formally trained nurse and epidemiologist who has worked in the field of public health for over 29 years and held leadership positions with the Florida Department of Health for over 10

years. She graduated from the University of Central Florida Nursing Program in 1986 and received her Masters in Public Administration from the same university in 2008. She is recognized for establishing community partnership and creating innovative solutions to meet the needs of communities. She has authored and co-authored several academic publications and presented on public health topics in professional and community forums. She was instrumental in completing requirements for the recent Florida Department of Health accreditation application to the National Public Health Accreditation Board for Seminole County and facilitated the completion of the Community Health Assessment and Improvement Plan for the county. Donna was recently named as the Learning Partner for the Kresge Foundation *Emerging Leaders in Public Health* award received by the Florida Department of Health in Seminole County, and received the 2015 Public Service Excellence Award from the Central Florida Chapter of the American Society for Public Administration.