

Summit Program

Arnoeboa Summit

2015



Amoeba Summit 2015 Program

7:30 a.m.— 8 a.m.

Registration and Breakfast

8 a.m.— 8:15 a.m.

Opening Remarks

Marla Silliman, Chief Executive Officer, Florida Hospital for Children
Dr. Raj Wadhawan, Chief Medical Officer, Florida Hospital for Children

8:15 a.m.— 8:45 a.m.

Dr. Swannie Jett, Florida Department of Health in Seminole County

8:45 a.m.— 9 a.m.

Jordan's Story

Mr. Steve Smelski, Jordan's Father

9 a.m.— 9:30 a.m.

***Clinical Manifestation and Diagnosis
of Primary Amebic Encephalitis***

Dr. Alejandro Jordan-Villegas, Florida Hospital for Children
Dr. Juan A. Dumois, All Children's Hospital Johns Hopkins Medicine

9:30 a.m. — 10 a.m.

Three Lessons Learned from a PAM Survivor

Dr. William Linam, Arkansas Children's Hospital

10 a.m.— 10:15 a.m.

Break

10:15 a.m.— 11 a.m.

***The Changing Epidemiology of Naegleria fowleri
in the United States***

Dr. Jennifer Cope, Centers for Disease Control and Prevention

11 a.m. — 11:30 a.m.

A Pathologist's Perspective on Naegleria Meningoencephalitis

Dr. Dennis M. Drehner, Nemours Children's Hospital

11:30 a.m. — 12:15 p.m.

What is Naegleria fowleri and What do We Know About It?

Dr. Francine Marciano-Cabral, Virginia Commonwealth University
School of Medicine

12:15 p.m.— 1 p.m.

Lunch

Amoeba Summit 2015 Program Presenters



JENNIFER 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 amoebae (*Naegleria*, *Balamuthia*, *Acanthamoeba*, and *Sappinia*). Dr. Cope began her career at the Centers for Disease Control and Prevention (CDC) 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 Bachelor of Science in Microbiology from Penn State University and 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.



DENNIS M. DREHNER, DO

Medical Director, Clinical Pathology, Nemours Children's Hospital, Orlando, Florida

Dr. Drehner graduated from the Philadelphia College of Osteopathic Medicine. He did a pediatrics residency at David Grant United States Air Force (USAF) Medical Center, Travis AFB, and subsequently served four years at Kadena USAF Clinic as pediatrician and flight surgeon. He is trained in anatomic and clinic pathology at Wilford Hall USAF Medical Center (WHMC), Lackland AFB, TX, and did a pediatric pathology fellowship at Santa Rose Children's Hospital, San Antonio, TX. He worked as staff pathologist at WHMC from 1991 to 1999 and at Children's Hospitals and Clinics of Minnesota from 1999 to 2012. He has been the Medical Director, Clinical Pathology, Nemours Children's Hospital since 2012. He is board certified in pediatrics, anatomic/clinical pathology, pediatric pathology and medical microbiology.



FRANCINE MARCIANO-CABRAL, PHD

Professor and Researcher, Virginia Commonwealth University School of Medicine, Richmond, Virginia

Dr. Maricano-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 CNS (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 CNS. Dr. Marciano-Cabral received her PhD from the University of Connecticut-Storrs, Storrs, CT, 1974.

Amoeba Summit 2015 Sponsor Appreciation

Thank You Host Organization



Special Thank You

JORDAN SMELSKI
FOUNDATION FOR AMOEBIA AWARENESS

Jordan Smelski Foundation for Amoeba Awareness
Steve Smelski, Father of Jordan Smelski

Thank You Partnering Organizations



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

Thank You Presenters



Dr. Swannie Jett, DrPH, MSc, Florida Department of Health in Seminole County | **Alejandro Jordan-Villegas, MD**, Florida Hospital for Children | **Juan A. Dumois, MD**, All Children's Hospital Johns Hopkins Medicine, St. Petersburg | **William M. Linam, MD**, Arkansas Children's Hospital | **Jennifer Cope, MD, MPH**, Centers for Disease Control and Prevention | **Dennis M. Drehner, DO**, Nemours Children's Hospital | **Francine Marciano-Cabral, PhD**, Virginia Commonwealth University School of Medicine

Amoeba Summit 2015 Program

1 p.m.— 1:20 p.m.

Family Presentations

Mr. Jeremy Lewis, Father of Kyle G. Lewis,
Kyle Lewis Amoeba Awareness Foundation

Sandra G. Gompf, MD - Mother of Philip T. Gompf,
Amoeba Season Project and the USF Foundation Philip T. Gompf Memorial Fund

1:20 p.m.— 2:20 p.m.

Panel Discussions

2:20 p.m.— 2:30 p.m.

Call to Action



Amoeba Summit 2015 Program Presenters



DR. SWANNIE JETT, DRPH, MSC

Health Officer, Florida Department of Health in Seminole County

Dr. Swannie Jett was appointed by the State of Florida and Seminole County Board of County Commissioners as the Health Officer for the Florida Department of Health in Seminole County on April 4, 2013. Before relocating to Florida, he was Health Officer of Bullitt County Health Department in Kentucky. Dr. Jett is a major leader in public health as President of the National Association of County and City Health Officials (NACCHO). Dr. Jett is a Major in the Air Force National Guard where his latest assignment was in Senegal, Africa assisting with the Ebola Virus Outbreak. He is a member of Leadership Seminole Class 23, American Public Health Association, and Beta Gamma of the Delta Omega Public Health Society. Dr. Jett holds a Doctorate of Public Health with emphasis in Preventive Medicine from the University of Kentucky, Master of Science degree from the University of Tennessee in Bio-Systems Engineering, and Bachelors of Science in Agricultural Statistics from Tennessee State University.

Presenter biographies continued→

Amoeba Summit 2015 Program Presenters



ALEJANDRO JORDAN-VILLEGAS, MD

Pediatric Infectious Disease Specialist, Florida Hospital for Children, Orlando, Florida

Alejandro Jordan-Villegas, MD, received his medical degree and immunology training with honors from the Universidad del Valle, Colombia, and completed his pediatric training at Miami Children's Hospital. He then completed a pediatric infectious diseases fellowship at the University of Texas Southwestern Medical Center in Dallas. He is currently a member of the American Academy of Pediatrics, the Pediatric Infectious Diseases Society and the Infectious Diseases Society of America. Dr. Jordan-Villegas' clinical interests, include antibiotic stewardship, and the study of the host response to different viral pathogens and more specifically their relation with bacterial super. He has authored several papers and presented his research findings at international meetings. He teaches medical students and residents.



JUAN A. DUMOIS, III, MD

Pediatric Infectious Disease Specialist, All Children's Hospital Johns Hopkins Medicine, St. Petersburg, Florida

Juan A. Dumois, III, M.D. received his Medical Degree at the University of South Florida College of Medicine. He completed his pediatric residency at All Children's Hospital in St. Petersburg in affiliation with the University of South Florida (USF). His pediatric infectious diseases fellowship was completed at the Children's National Medical Center in Washington, D.C. and the National Institutes of Health in Bethesda, MD. He currently holds an appointment as Affiliate Associate Professor of Pediatrics with the University of South Florida College of Medicine. He is the Clinical Practice Director for the Pediatric Infectious Disease Program at All Children's Hospital. Dr. Dumois is the director of the International Adoption Clinic at All Children's Hospital. He is involved regularly in the teaching of medical students and pediatric residents from USF, who have given him teaching awards six times. He is the Program Director of the weekly Pediatric Grand Rounds program at All Children's Hospital and the annual Florida Suncoast Pediatric Conference.



WILLIAM M. LINAM, MD

Pediatric Infectious Disease Specialist, Arkansas Children's Hospital, Little Rock, Arkansas

Dr. Linam moved to Little Rock, Arkansas in 2009 to begin working at Arkansas Children's Hospital. He is Assistant Professor at the Pediatric Infectious Diseases Section University of Arkansas for Medical Sciences, and Medical Director of Infection Prevention and Hospital Epidemiology.

Born and raised in Tennessee, Dr. Linam attended the University of Tennessee where he received his Bachelor of Science degree in Biology, and furthered his education at the University of Tennessee College of Medicine where he received his MD. Dr. Linam completed his pediatric internship and pediatric residency at the Cincinnati Children's Hospital Medical Center in Cincinnati, Ohio. It was at this hospital, Dr. Linam was Chief Resident, and completed a Pediatric Infectious Disease Fellowship and Quality Scholars Program in Transforming Health Care Fellowship.

Amoeba Summit 2015 Call to Action

Raising Awareness and Reducing Risks

Early Detection, Testing and Treatment

Research

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, outgoing boy, who always wanted to go first, made friends easily, was charismatic and was 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, and aviary with Toucans and 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 the hot spring 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 died of Primary Amoebic Meningoencephalitis (PAM) which is caused by the amoeba *Naegleria fowleri*.

Jordan Smelski Foundation for Amoeba Awareness

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

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



For more information visit

www.jordansmelskifoundation.org