



Science Team Mission Statement

We are passionate about science. We believe a solid understanding of scientific concepts and thinking is essential to being a good citizen who can make informed decisions about a variety of complex issues. We also believe that cultivating scientific literacy will help our students lead healthier, happier, and more successful lives. We want students to fall in love with science as a way of knowing more about themselves and their world. We believe that all students are born scientists who are naturally curious about how the world around them works. We teach students to ask scientific questions and then how to seek answers to those questions using the same techniques and technology used by scientists. We coach students in how to think critically, analyze deeply, and communicate their understanding of scientific principles. We believe that every student is entitled to a rich and engaging curriculum that prepares them for the dynamic and demanding challenges of college or career choice. We design our own curricula that emphasizes the interconnectedness of science concepts across science, technology, engineering, and mathematics so that they are prepared for the increasingly complex combination of skills required in college and career. We prepare our students to become environmental stewards of the Earth and make sustainable decisions. Most of all we love and look forward to getting our students excited about science!

EAST SIDE COMMUNITY HIGH SCHOOL 3rd Annual WOMEN IN SCIENCE NIGHT!

Thursday April 7th, 2016

Schedule of Events

4:30 – 5:10 pm: Breakout #1

5:10 – 5:50 pm: Breakout #2

5:50 – 6:30 pm: College Fair

Welcome!

Tonight, impressive women scientists join us from a variety of disciplines to share their story from school to college to careers in science. We know they will inspire you to pursue your own science careers. We created event just for you because every day we see your incredible potential to become the next generation of Women In Science! Sincerely, the *East Side Science Team – Polly, Danielle, Ileana, Barbara, Joe, Marc, and Yenmin*

Follow us live tonight:



#womeninscience



Okay, I'm ready to meet the scientists!

What should I do before leaving tonight?

- Ask a scientist at least one question
- Give your business card to at least two scientists and / or college rep
- Find at least one in-school or summer science opportunity inside your folder
- Introduce yourself to next year's science teacher or to Jerome (college counselor)

Special Guest Scientists

Rae Wynn-Grant, Ph.D.

B.S. Conservation Bio, M.S. Environmental Science PhD Ecology & Evolution from Emory, Yale, and Columbia, respectively. Works at Center for Biodiversity and Conservation, AMNH



I am a conservation biologist and a wildlife ecologist studying how humans impact the environment. I travel a lot for work and do very hands-on fieldwork trapping and tagging black bears. I analyze this data back in NYC at AMNH and create statistical models to predict behavioral trends. I want young women and girls to know that being a scientist doesn't only mean you work in a laboratory - you can be outdoors and exploring and playing with animals and be serious about science!

Sabrina Campbell



Environmental, Health & Safety at NBC Universal. Studied Civil Engineering (BS) Penn State as well as at Nanyang Technological University in Singapore.

I ensure site compliance with local, federal, and state environmental, health, and safety (EHS) regulations and company standards. I look over the development and implementation of all the health and safety programs at the CNBC Headquarters. I also take the reins when it comes to the company's compliance with all environmental standards and regulations.

Ayanna Alexander-Street, Ph.D.



B.S. Physiology & Neurobio University of Connecticut. Ph.D. Bio-Neuroscience at Hunter College. Currently at Lehman and Marymount Colleges.

I focus on neuro-pharmacology, specifically drugs of abuse, and the adolescent brain. My doctoral work focused on endocrine disruption during perinatal life (exposure to bisphenol A). Science is all around us, to understand anything about the world, you must understand science!



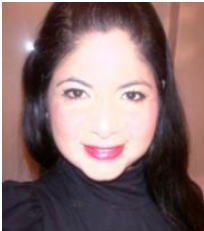
Marisa Macias, Ph.D.



Paleoanthropologist at the American Museum of Natural History. Degrees from Stanford (BA), NYU (MA), and Duke (Ph.D.).

I am a paleoanthropologist studying human origins, specifically how our ancestors moved through the environment. I study the skeleton to understand functional morphology, or how the shape of our bones reflects the ways we use our body. With the comparative methods, I rely on our understanding of living humans and other primates. With modeling, I rely on computer simulations of musculoskeletal anatomy.

Kaliris Y. Salas-Ramirez, PhD



Dr. Salas-Ramirez is an Assistant Medical Professor at the newly accredited CUNY School of Medicine. There, she teaches neuroscience and

makes a significant effort to recruit, retain and support students of underrepresented groups to become physicians who serve the underserved. In addition to teaching, mentoring and efforts towards diversifying healthcare, Dr. Salas has a productive research program that focuses on sex specific interventions for cognitive decline as a result of drug exposure during development.

Dr. Judith Absalon



Senior Medical Director / Clinical Program Lead, Vaccines Research at Pfizer, Inc. Wesleyan, SUNY Stony Brook School of Medicine, and Columbia University in Math, Medicine, and Epidemiology, respectively.

I provide medical oversight for the development of vaccines in adolescents and adults. This includes ensuring the safety of volunteers in vaccines clinical trials, developing strategy for vaccine clinical trial development, planning for regulatory submissions to support licensure of new products and new indications for licensed products, summarizing clinical trial findings for regulatory reports and for publication in peer reviewed scientific and medical journals. I am currently the lead physician overseeing the clinical development of a newly licensed Meningococcal B vaccine.

Katarzyna Marcinkiewicz, Ph.D.



Cancer Researcher at NYU School of Medicine. Studied at Medical University of Warsaw, Poland (MS) and Weill Cornell Graduate School of Biomedical Sciences, NY, NY (PhD in Pharmacology). I investigate various aspects of a phenomenon called cellular

senescence, which occurs in our bodies throughout our entire lives, from helping to shape the developing fetus inside the uterus to maintaining tissue architecture to guarding us from developing cancer. My project in the lab involves discovering new proteins that regulate cellular senescence. If we understand better which proteins switch cellular senescence "on" and "off", perhaps we can look for drugs that switch this process back "on" in cancer cells, thus curing some cancer types.

senescence, which occurs in our bodies throughout our entire lives, from helping to shape the developing fetus inside the uterus to maintaining tissue architecture to guarding us from developing cancer. My project in the lab involves discovering new proteins that regulate cellular senescence. If we understand better which proteins switch cellular senescence "on" and "off", perhaps we can look for drugs that switch this process back "on" in cancer cells, thus curing some cancer types.

Florence Lee, Dr. Veterinary Medicine



New York University BS, and Tufts University Cummings School of Veterinary Medicine.

Currently I am a veterinarian who works in a general practice. As a general practitioner, I work closely with owners to help them care for their dogs and cats. Taking care of animals involves administering vaccines, interpreting blood work and radiographs, and can also include procedures such as surgery (spaying and neutering) and dental extractions. I also educate owners on animal husbandry and help them decide when to refer their pets to specialists such as oncologists, neurologists, or cardiologists. Prior to working in general practice, I completed a one year rotating

internship with the American Society for Prevention of Cruelty to Animals (ASPCA), where I worked closely with shelter animals, low-cost care, and helped rehabilitate abused and neglected animals.

Zoe Edelstein, PhD



University of Chicago, BA in Biology and Environmental Studies. University of Washington, MS and PhD in Epidemiology. Currently works at the NYC Dept of Health and Mental Hygiene.

Zoe Edelstein is the Director of Research and Evaluation in the HIV Prevention Program. She conducts and supervises projects to help monitor and improve HIV prevention in NYC. Favorite quote: "We don't have to have all the answers to call for change. We just need courage." Dr. Mary Bassett

* * *

Special thank you's to all of the guest scientists, East Side staff, East Side Parent Association, and of course the students (future scientists) who contributed their time and talents to make tonight a success.

Visit us online at:

eastsidescience.weebly.com

