

Jorji Siegmundt

6425 Lake Arrowhead Dr., San Diego, CA 92119 | 619-385-8552 | siegmundt.ja@gmail.com

EDUCATION

Master of Science, General Biology, Point Loma Nazarene University, San Diego, CA, August 2021. Pilot Study: Dietitian and Nutritionist Knowledge Concerning Probiotics. Advisor: Dr. Dianne Anderson.

Bachelor of Arts, Liberal Studies, Thomas Edison State University, Trenton, NJ, September 2019. Capstone research project: Women in STEM Careers: Underrepresentation in the United States. Advisor: Dr. Gregory Caicco.

Naval Nuclear Power Program, Naval Nuclear Power Training Command, Goose Creek, SC, April 2004. Specialization in nuclear power plant chemistry and radiation.

RELEVANT COURSES

Biology and Behavior of Dogs
Cell Biology and Biochemistry
Cultural Competency in a Pluralistic Society
Ecological and Evolutionary Systems
Ecology
Environmental Ethics
Epidemiology
Genetics
History and Philosophy of Science
Leadership in Science
Managerial Communications
Marine Biology
Microbiology and Immunology
Perspectives on Science
Physiology of Plants and Animals
Pilot Study
Research Design

PROFESSIONAL EXPERIENCE

Research Associate II, J. Craig Venter Institute, La Jolla, CA, December 2019-September 2021. Lead laboratory research associate on a gut microbiome and probiotics project. Isolated anaerobic bacteria and processed through genomic sequencing. Involved in research and writing for grant funding and patents. Regularly wrote Standard Operating Procedures (SOPs). Completed DNA/RNA library prep and quality control analyses for numerous projects. DNA/RNA sequencing with Illumina MiSeq & NovaSeq platforms and Oxford Nanopore technology.
PI: Dr. Karen Nelson, Chief Scientific Officer, ThermoFisher Scientific.

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Nuclear Engineering Laboratory Technician, US Navy, Norfolk, VA, 2001-2007.
Scheduled and conducted training for 32 sailors. Supervised radioactive material and overboard discharge programs. Procured and analyzed samples from reactor plant and steam plant water. Coordinated, executed, and documented radiological controls for shipboard maintenance projects.

COMMUNITY / VOLUNTEER SERVICE

Secretary, Student Veterans of America, PLNU Chapter, August 2019-August 2021.
Classroom Assistant, Benchley-Weinberger and Gage Elementary Schools, 2014-2019.
Ministry Lead, Data Entry, Newbreak Church, 2014-2017.
Mentor, Instructor, US Navy COMPASS Program, 2012-2015.
Ombudsman, US Navy, 2011-2013.

MEMBERSHIPS / PROFESSIONAL AFFILIATIONS

Microbiology Society
American Association for the Advancement of Science (AAAS)
American Society for Cell Biology (ASCB)
National Association of Science Writers (NASW)
Massive Science Consortium

PROFESSIONAL DEVELOPMENT

Cell Bio 2020 conference, ASCB.
Science Talk '21 conference, Science Talk.
NatCon 2021 conference, Student Veterans of America.
The Next Step for Aspiring Journalists, Communicators, and Writers career event,
Northwest Science Writers Association.

HONORS

United States Navy Letter of Commendation, 2005.