



Environmental Health Sciences

HEEDS *Monthly*

November 2022

Lou Guillette Jr. Outstanding Young Investigator Award: Dr. Genoa Warner

Genoa Warner, Ph.D., an Assistant Professor in the Department of Chemistry and Environmental Science at the New Jersey Institute of Technology, is the 2022 winner of the [Lou Guillette, Jr. Outstanding Young Investigator award](#). This award comes with a \$5000 honorarium and a recycled glass plaque.



The award, in honor of Lou Guillette, Jr., is given to an early-career scientist working in some aspect of endocrine disruptor research. Someone who is recognized as a creative, dedicated scientist who at an early stage of their career is already having an impact on human health and who has a special love of and dedication to mentoring. Someone who, like Lou Guillette, Jr., is a good communicator and who is willing to go beyond to help trainees succeed.

Her lab at NJIT, the [Endocrine Disruption and Chemical Biology Lab](#) (EDC Lab), seeks to study the mechanisms of action of endocrine disrupting chemicals using chemistry techniques while addressing major problems in chemical sustainability including mixtures, emerging contaminants, and regrettable replacements with the goal of providing toxicological insights for safer chemical design.

Congratulations to Genoa!

Events

[Webinar: Embryonic BPA Exposure Causes Liver Disease in Generations of Fish](#)

Dec. 8, 1:30 pm EST

Sourav Chakraborty of the Bhandari lab at the University of North Carolina Greensboro will discuss his new publication, *Ancestral BPA Exposure Caused Defects in the Liver of Medaka for Four Generations*. Sponsored by the EDC Strategies Partnership and the Young EDC Scientists Showcase (YESS) webinar series.

[CHE Café: What's Next in Environmental Health?](#)

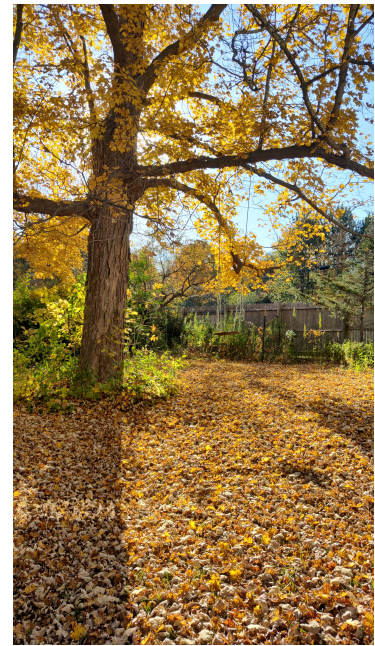
Dec. 2, 1 pm EST

Featuring a conversation between Drs. Linda Birnbaum and Ami Zota, two innovative leaders in efforts to promote environmental health and justice.

[Exposure to Environmental Contaminants and Alzheimer's Disease Risk](#)

Dec. 2, noon EST, online

Featuring Julia Kravchenko, MD, PhD, of Duke University School of Medicine. Part of the Duke Integrated Toxicology & Environmental Health Program Fall 2022 Seminar Series.



[Webinar: Prenatal Exposure to Phthalates, Bisphenol, and Organophosphate Pesticide Mixtures and Fetal Growth](#)

Dec. 6, 10 am EST (4 pm in Brussels)

Featuring Dr. Kelly Ferguson of NIEHS and Natacha Cingotti of the Health and Environment Alliance (HEAL). Sponsored by HEAL and ATHLETE (Advancing Tools for Human Early Lifecourse Exposome Research and Translation).

[Webinar: ChemScore 2022](#)

Dec. 6, 9 am EST (3 pm in Stockholm)

ChemScore is ChemSec's annual ranking of the world's largest chemical companies and their work to reduce their chemical footprint.

[Frameworks for Establishing Scientific Confidence in New Approach Methodologies: Part 1](#)

Dec. 7, 10 am EST

Sponsored by the EPA, PETA Science Consortium International, and Physicians Committee for Responsible Medicine (PCRM).

[Webinar: Characterizing Pregnancy Exposure to Melamine and Other Understudied Toxicants](#)

Dec. 14, 4 pm EST

Featuring Drs. Giehae Choi and Jessie Buckley from Johns Hopkins Bloomberg School of Public Health. Sponsored by the [Science Action Network](#).

[BizNGO Annual Meeting: Safer Solutions to PFAS and Beyond](#)

Dec. 6-7

Boston, Mass.

Sponsored by Clean Production Action and the Center for Environmental Health.

[The Environmental Drivers of Preclinical Rheumatoid Arthritis](#)

Dec. 13, 10:30 am EST, in person and livestreamed

Featuring V. Michael Holers, M.D., University of Colorado School of Medicine. Part of the NIEHS

Distinguished Lecture Seminar Series.

[NIEHS Superfund Research Program Annual Meeting: System Approaches for Innovative and Inclusive Environmental Health Solutions](#)

Dec. 14-16

Raleigh, North Carolina

[Duke Integrated Toxicology & Environmental Health Program Spring 2023 Seminar Series](#)

Thursdays, Jan. 12 - Apr. 27, noon EST

In person and online. Free and open to the public.

[EURION Cluster Annual Meeting](#)

Jan. 30-31, 2023

Amsterdam, Netherlands

The morning session on 30 January 2022, is open to any stakeholders interested in the development of new testing and screening methods to identify endocrine disruptors. Registration closes Nov. 30.

[Science-Policy Panel to Contribute Further to the Sound Management of Chemicals and Waste and to Prevent Pollution](#)

Jan. 30- Feb. 3, 2023

Bangkok, Thailand, and online

A working group meeting of the United Nations Environment Assembly (UNEA)'s science-policy panel.

Available Resources

[Endocrine-Disrupting Chemicals: Hazards and Opportunities \(ECHO\) Course](#)

May 21 - June 4, 2023

Woods Hole, Mass.

The course focuses on the chemical, biological, and societal challenges of endocrine-disrupting chemicals and new opportunities for moving forward. Applications are due Feb. 14.

[Exposome-omics-Wide Association Study \(ExWAS\) Online Tool](#)

The European Human Early Life Exposome (HELIX) project has provided this tool to query or download findings from all its data on molecular signatures related to common environmental exposures during early life. See related article in *Nature Communications*, [Multi-omics signatures of the human early life exposome](#), by Maitre et al.



[Endocrine Society Early Career Forum](#)

Applications are now open.

[International Society for Children's Health in the Environment \(ISCHE\) Research to Action Fellowship](#)

Applications due Dec. 9.

Policy and Regulations

[EPA Science Advisory Committee on Chemicals \(SACC\) Request for Nominations](#)

Due Dec. 12.

[National Academies Chemical Sciences Roundtable Call for Nominations](#)

Due Dec. 31.

[Regulatory Relevance of the European Research Cluster to Understand the Health Impacts of Micro- and Nanoplastics \(CUSP\)](#)

A Policy Brief by CUSP, a European initiative.

[116 Scientists Ask for Revision of World Health Organization's Draft PFAS Guidelines](#)

By the Health and Environment Alliance (HEAL). Also see:

[116 Scientists Reject WHO's Draft PFAS Guidelines](#)

By the Green Science Policy Institute.

[Congressional Watchdog Recommends Changes within US FDA](#)

US Government Accountability Office (GAO) published a report for the FDA to improve oversight of food contact chemicals; recommends the agency request legal authority from Congress to compel companies to provide more information on chemical use and safety, as well as systematically track when substances were last reviewed.

By the Food Packaging Forum.

Blogs and More

[Anti-androgenic Chemicals as a Class of Related Substances with Cumulative Toxicological Effects](#)

By Maricel Maffini and Tom Neltner, Environmental Defense Fund.

[Why Are Toxic Products \(Still\) On Our Shelves? with Dr. Norah MacKendrick](#)

Getting Curious Podcast with Jonathan Van Ness.

[Cutting Edge of Science](#)

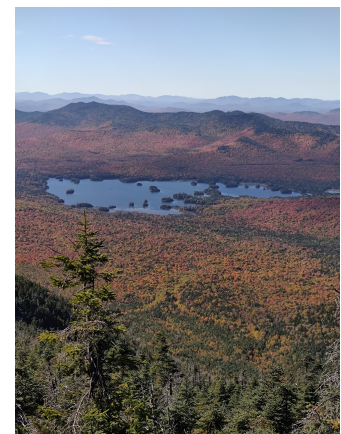
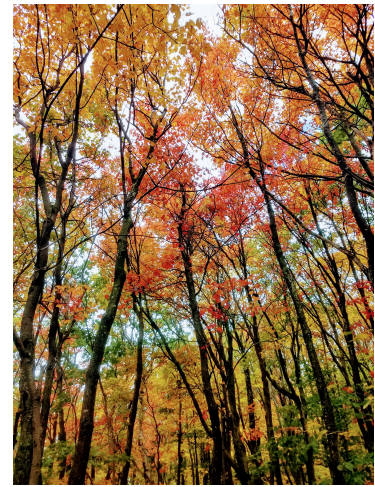
Meet the new Science Fellows, including [Rachel Shaffer, Ph.D.](#). A program sponsored by Environmental Health News and the Science Communication Network.

[The DREAM Study is Recruiting](#)

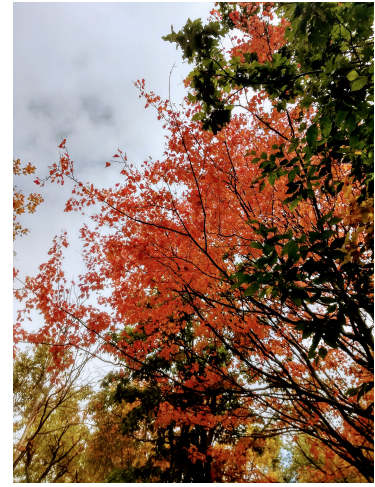
The UCSF Program on Reproductive Health and the Environment (PRHE) is recruiting pregnant people in the San Francisco area for the DREAM (Discovering cancer Risks from Environmental contaminants And Maternal/child health) study.

New Scientific Articles of Interest

[Temporal trends in sperm count: a systematic review and meta-regression analysis of samples collected globally in the 20th and 21st centuries.](#)



Levine H, Jørgensen N, Martino-Andrade A, Mendiola J, Weksler-Derri D, Jolles M, Pinotti R, Swan SH. Hum Reprod Update. 2022 Nov 15.
See related: [A new analysis shows a "crisis" of male reproductive health: Global average sperm count is declining at a quicker pace than previously known, chemical exposure is a suspected culprit.](#) (Environmental Health News).



[Early exposure to flame retardants is prospectively associated with anxiety symptoms in adolescents: A prospective birth cohort study](#)

Strawn JR, Xu Y, Cecil KM, Khoury J, Altaye M, Braun JM, Lanphear BP, Sjodin A, Chen A, Yolton K. *Depress Anxiety*. 2022 Oct 11.

[The Pediatrician's Role in Protecting Children from Environmental Hazards](#)

Trasande L, Kassotis CD. *Pediatr Clin North Am*. 2023 Feb;70(1):137-150.

[Medical devices used in NICU: The main source of plasticisers' exposure of newborns](#)

Bernard L, Masse M, Boeuf B, Chennell P, Decaudin B, Durand N, Genay S, Lambert C, Le Basle Y, Moreau E, Pinguet J, Ponsonnaille V, Richard D, Saturnin N, Storme L, Sautou V; ARMED study group. *Sci Total Environ*. 2022 Nov 8;858(Pt 3):159994.

For more articles like these, sign up to receive our [EDC Science Weekly!](#)

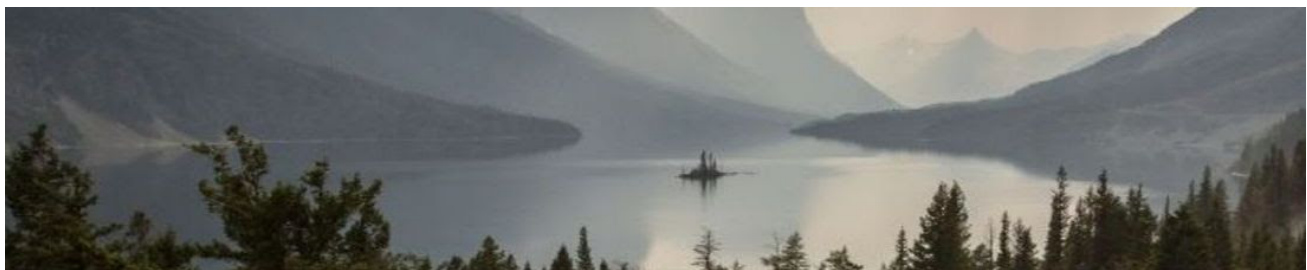
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