

News at a Glance

2022 Research Symposium features New and Ground-breaking work

We sincerely thank all of the speakers who made the October 26 CEG Research Symposium a highly informative and engaging event. Robyn Tanguay, PhD, University Distinguished Professor in the Department of Environmental and Molecular Toxicology, Oregon State University, gave a fascinating keynote presentation on **Using Multidimensional Zebrafish Data to Advance Environmental Health Sciences**. That talk can be viewed [here](#). Important reminder! Proposals for **Time-Sensitive Response Awards**, as announced during the symposium, are due by 10 AM Thursday **November 10**. Access the [RFA here](#).

The Sequencing Core (GESC) has introduced its new **NextSeq 2000** and, as Dr. Xiang Zhang reports, is offering a reduced sequencing rate. The new rate will be automatically applied to samples submitted after November 1. Looking forward, **PE 2x300 bp sequencing** is expected to be available early next year, which can be used for 16S metagenomic sequencing. For more information contact [Xiang Zhang, PhD](#); Associate Professor and Director, Genomics, Epigenomics and Sequencing Core. See <https://med.uc.edu/depart/eh/cores/genomics/services-and-form>. We remind CEG members that **ITS matching funds** are available to help subsidize the use of certain core services; see details [here](#).

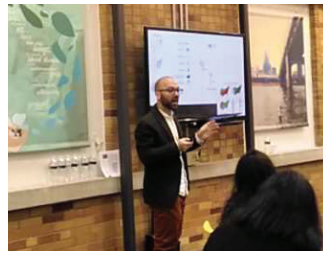
Recent Publications

Bhattacharya SS, Yadav B, Yadav E, Hus A, Yadav N, Kaur P, Rosen L, **Jandarov R, Yadav JS**. Differential modulation of lung aquaporins among other pathophysiological markers in acute (Cl₂ gas) and chronic (carbon nanoparticles, cigarette smoke) respiratory toxicity mouse models. *Front Physiol*. 2022 Sep 28;13:880815. [PMID: 36246134](#). [PMCID: PMC9554232](#).

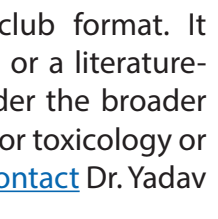
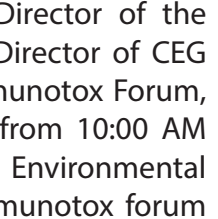
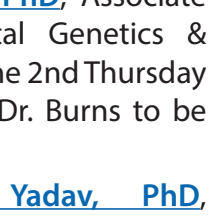
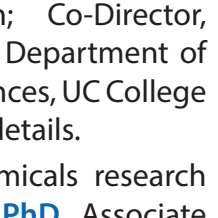


Galiveti CR, Kunnell D, Biesiada J, **Zhang X**, Kelsey KT, Takiar V, Tang AL, Wise-Draper TM, **Medvedovic M, Kasper S, Langevin SM**. Small extravesicular microRNA in head and neck squamous cell carcinoma and its potential as a liquid biopsy for early detection. *Head Neck*. 2022 Oct 22. [PMID: 36271833](#).

November 2022

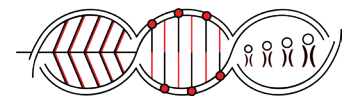


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<http://med.uc.edu/eh/centers/ceg>

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New CEG Research Focus Group in 2023

Plans for a new CEG research focus group on the environmental effects of climate change are being led by [Ardythe L. Morrow, PhD](#); Professor and Director of the Division of Epidemiology and Director, MPH Epidemiology Concentration; Co-Director, MILCH and Novel Therapeutics Lab; Department of Environmental and Public Health Sciences, UC College of Medicine. [Contact](#) Dr. Morrow for details.

The CEG Endocrine Disrupting Chemicals research focus group is led by [Katie Burns, PhD](#), Associate Professor, Division of Environmental Genetics & Molecular Toxicology, and meets on the 2nd Thursday of each month at 1:00 PM. [Contact](#) Dr. Burns to be added to the mailing list.

CEG Deputy Director [Jagjit Yadav, PhD](#), Professor of Molecular Toxicology, Director of the Immunotoxicology Laboratory, and Director of CEG Pilot Projects Program, leads the Immunotox Forum, which gathers every other Tuesday from 10:00 AM to 11:00 AM in the Department of Environmental and Public Health Sciences. The Immunotox forum likewise offers a data-cum-journal club format. It features informal research discussion or a literature-based talk in the area of interest under the broader scope of environmental immunology or toxicology or (preferably) a combination of both. [Contact](#) Dr. Yadav to be added to the forum list.