

**PACIFIC NORTHWEST CENTER FOR HUMAN  
HEALTH AND OCEAN STUDIES**

University of Washington  
Investigator Expertise

<b>INVESTIGATOR</b>	<b>EXPERTISE</b>
<p><b>Elaine Faustman</b> <i>Principle Investigator</i> <i>Director, Human Exposure Project</i> <i>Mechanisms of Toxicity Project</i> Dept of Environ &amp; Occupational Hlth Sciences</p>	<p>Developmental and reproductive toxicants In vitro techniques for developmental toxicology assessment Biologically based dose response models for risk assessment Development of decision-analytic tools Risk communication Risk management</p>
<p><b>E. Virginia Armbrust (Ginger)</b> <i>Co Principle Investigator</i> <i>Director, Toxic Algae Project</i> School of Oceanography</p>	<p>Phytoplankton biodiversity and response to environmental change Genomic/molecular approaches to understand diatom toxicity</p>
<p><b>Marina Alberti</b> <i>Informatics Facility Core</i> Department of Urban Design and Planning</p>	<p>GIS and visualization Impacts of urban development on ecosystems Urban ecology</p>
<p><b>Thomas Burbacher</b> <i>Director, Neurobehavioral Assess Facility Core</i> Dept of Environ &amp; Occupational Hlth Sciences</p>	<p>Childrens Environmental Health Behavioral testing of children Animal models for developmental toxicology</p>
<p><b>Meg Chadsey</b> Pathology Department</p>	<p>Microbiology Biochemistry/Molecular biology Biosensors Policy</p>
<p><b>Toby Cole</b> <i>Neurobehavioral Assess. Facility Core</i> Dept of Environ &amp; Occupational Hlth Sciences</p>	<p>Neurobehavioral assessment Neurotoxicity in mice</p>
<p><b>Lucio Costa</b> <i>Director, Mechanisms of Toxicity Project</i> Dept of Environ &amp; Occupational Hlth Sciences</p>	<p>Neurotoxicology</p>
<p><b>Allan Devol</b> <i>Director, Environment Facility Core</i> School of Oceanography</p>	<p>Chemical Oceanography Biogeochemical cycles</p>

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<b>Christina Drew (Christie)</b> <i>Informatics Core</i> Dept of Environ & Occupational Hlth Sciences	Risk communication Public health policy Geographic Information Systems Integrated decision making Public involvement
<b>Adam Drewnowski</b> <i>Human Exposure Project</i> Epidemiology and Medicine	Nutritional sciences
<b>Dr. Ger van den Engh</b> <i>Toxic Algae Project</i> Institute for Systems Biology	Cell sorting Isolation of microorganisms from environmental samples Large-scale DNA sequencing
<b>Clem Furlong</b> <i>Shellfish Kinetics Project</i> <i>Director, Biosensors Facility Core</i> Department of Medical Genetics	Biosensors Receptor Characterization Protein purification Biochemical Genetics Protein expression Toxicology
<b>Susan Geier</b> <i>Environment Facility Core</i> School of Oceanography	Coastal Oceanography
<b>Lynn Grattan</b> <i>Human Exposure Project</i> University of Maryland Neuropsychology Lab	Neuropsychology
<b>William Griffith</b> <i>Director, Informatics Facility Core</i> Dept of Environ & Occupational Hlth Sciences	Biostatistics Radiation and toxicology dose response relationships Pharmacokinetic models Interspecies extrapolation
<b>Joan Hardy</b> <i>Human Exposure Project</i> Washington State Department of Health	

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<b>Russell Herwig</b> <i>Shellfish Kinetics Project</i> School of Aquatic & Fishery Sciences	Aquatic microbiologist Microbial ecologist
<b>Barabara Hickey</b> <i>Environment Facility Core</i> School of Oceanography	Physical oceanography Coastal processes
<b>Nancy Judd</b> <i>Human Exposure Project</i> Dept of Environ & Occupational Hlth Sciences	Environmental exposure assessment (esp. seafood) Risk assessment modeling
<b>Terry Kavanagh</b> <i>Mechanisms of Toxicity Project</i> Dept of Environ & Occupational Hlth Sciences	Toxicology Transgenic mouse models Aging
<b>Kathy Lefebvre</b> NOAA Fisheries	Toxicology - Impacts of HAB toxins in fish Toxin detection Movement of toxins through marine food web
<b>Thomas Leschine</b> <i>Informatics Facility Core</i> School of Marine Affairs	Environmental policy Informatics and data integration Coastal ecosystem and marine pollution management Long term hazard management
<b>Miles Logsdon</b> <i>Informatics Core</i> School of Oceanography	Ecosystem models for rivers Spatial and temporal data models for environmental planning
<b>Koenraad Marien</b> <i>Human Exposure Project</i> Washington State Department of Health	

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<b>Jan Newton</b> <i>Environment Facility Core</i> School of Oceanography WA State Dept of Ecology	Biological oceanography Marine water quality
<b>Monica Orellana</b> <i>Toxic Algae Project</i> Institute for Systems Biology	Flow cytometry Biosensors
<b>Micaela Parker</b> <i>Toxic Algae Project</i> School of Oceanography	Diatom physiology and biochemistry Molecular biology
<b>Dr. Timothy Petersen</b> <i>Toxic Algae Project</i> Institute for Systems Biology	Flow cytometry
<b>Christina Pettan-Brewer</b> <i>Shellfish Kinetics Project</i> Medical Genetics	Pathology Veterinary Medicine
<b>Gabrielle Rocap</b> <i>Toxic Algae Project</i> School of Oceanography	Phytoplankton molecular diversity and genomics
<b>Charles Simenstad</b> <i>Director, Shellfish Kinetics Research Project</i> School of Aquatic & Fishery Sciences	Estuarine and nearshore marine ecosystem structure Juvenile salmon habitat requirements Restoration ecology
<b>Rick Stevens</b> <i>Biosensors Facility Core</i> Department of Medical Genetics	Molecular biology Biosensors

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<b>Vera Trainer</b> <i>Shellfish Kinetics Project</i> <i>Biosensors Facility Core</i> <i>Environment Facility Core</i> National Oceanic & Atmospheric Administration	Toxicology Biochemistry Oceanography
<b>Eric Vigoren</b> <i>Informatics Facility Core</i> Dept of Environ & Occupational Hlth Sciences	Biostatistics
<b>Eva Wong</b> <i>Human Exposure Project</i> Dept of Environ & Occupational Hlth Sciences	Risk assessment modeling Epidemiology
<b>Ruth Woods</b> <i>Program Administrator, Administrative</i> Dept of Environ & Occupational Hlth Sciences	Grants and contracts administration