Project 4 Highlight:
Silicone Wristband Personal Monitoring Device

The lab of Dr. Kim Anderson has found a solution for time-integrated, low cost, and easy- to-use personal sampling technology by using **passive sampler wristbands**. Over 1200 common environmental chemicals can be screened. Findings were published earlier this year.

When used as a passive sampling membrane, the familiar silicone wristbands can archive a person's chemical exposure during a given period of time.
(Photo Credit: Steve O'Connell)

Here are some highlights of the vast media coverage it received this spring.

- Silicone wristbands facilitate exposome study (NIEHS Environmental Factor, Anderson Lab)
- OSU Develops Wristband That Detects Pollutants (KLCC radio interview with Kim Anderson)
- A wristband for a different kind of cause - environmental health (Publication highlighted by the American Chemical Society)

Dr. Anderson leads OSU SRP Project 4 that focuses on developing new technologies to understand exposure to PAHs and assessing the risk they pose for human health. She is also the director of the Food Safety and Environmental Stewardship Program (FSES) at OSU.

Kim Anderson

FSES is developing a project to make the wristbands available to the public. Videos were produced to help explain about the wristbands. Visit the Citizen Science page for updates.

Citation: O'Connell SG, Kincl LD, Anderson KA. 2014. Silicone wristbands as personal passive samplers. Environ Sci Technol 48(6):3327-3335.

Latest Anderson Lab Publication Highlighted
Forsberg ND, Smith B, Sower GJ, Anderson K. Predicting polycyclic aromatic hydrocarbon concentrations in resident aquatic organisms using passive samplers and partial least squares calibration. Environ. Sci. Technol., (Accepted Manuscript) **DOI:** 10.1021/es5000534
>> **Highlight in SpectroscopyNOW.com**

>> **All OSU SRP Publications**
>> **All OSU SRP News**

Training Highlights

Cory Gerlach

Cory Gerlach (Project 3) is an undergraduate student in the Tanguay lab and will be graduating this spring with an Honors Bachelor of Science in Bioresource Research. Besides winning awards, Cory has transformed his career with valuable research experience gained over the last two years. Congrats, Cory!

>>**Read the Full Story**

Leah Chibwe

Leah Chibwe

Leah Chibwe (Project 5) has received an **Emerging Leader Award from the Division of Environmental Chemistry of the American Chemical Society**. She will be recognized at the Annual Meeting in August 2014 in San Francisco. Congrats, Leah!

Erin Madeen (Project 1) spent time chatting with Michael Denison (PI, Project 5) of the UC Davis Superfund Center.

UC Davis Picnic Day Provided Opportunity for Connection & Engagement

We appreciated the invitation from the UC Davis Superfund Research Center giving an opportunity for our Trainees to participate in outreach at their annual Picnic Day. **Dr. Craig Marcus**, Training Core Leader, traveled with two trainees,**Erin Madeen** (Project 1) and **Andrea Knecht** (Project 3).

>>**Read the Full Story**

Meeting Highlights

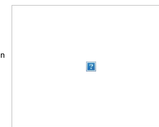
Staci Simonich (Leader, Project 5) served as a panelist at the **Health Effects of Fine Particles from Vehicle Emissions** Meeting on April 1, 2014.

>>**Read the Full Story**

Workshop breaks provided further discussion time for Staci Simonich, left, and Frederica Perera of Columbia University. *(Photo courtesy of Paula Whitacre)*

Robert Tanguay (Leader, Project 3, Director, Sinnhuber Aquatic Research Lab) traveled to California on April 29-20 for the **Norcal SOT Spring Symposium**. His presentation "Rapid In Vivo Assessment of Bioactivity in Zebrafish: High Content Data for Predictive Toxicology" was well received by scientists from the California Dept. of Pesticide Regulation, California EPA, and many others participating via the webcast.

>>**Read the Full Story**

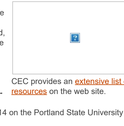


Robert Tanguay presenting at the Norcal SOT Spring Symposium. *(Photo Credit: Cal Dept. of Pesticide Regulation)*

The Community Engagement Core (CEC) Shared Program Highlights at Northwest Conferences

Diana Rohlman, CEC Program Coordinator, presented at the **Contemporary Northwest Tribal Health Conference.** The conference was hosted at the World Trade Center in Portland, Oregon on March 28-29, 2014. All presentations are available on-line.

>>**Read the Full Story**



CEC provides an extensive list of resources on the web site.

Anna Harding (CEC Leader) and Barbara Harris (CEC Co-Leader) presented at the **6th Annual Northwest Environment Health Conference** held Tuesday, April 8, 2014 on the Portland State University campus.

K - 12 Outreach:
5th Graders Experience All Aspects of Zebrafish Research

A field trip for 28 local 5th graders was held at the Sinnhuber Aquatic Research Laboratory (SARL) on May 12, 2014. SARL, directed by Dr. Robert Tanguay, is a large state-of-the-art zebrafish facility.

The SARL personnel, along with SRP Trainees and other grad students and postdocs, wanted the students to get hands-on experience and have fun learning about science. Specifically the students learned all the unique features of zebrafish and how they are used in scientific research.

>>**Read the Full Story**

Robert Tanguay and Carrie Barton present about zebrafish research to 5th graders.

Upcoming Events

248th ACS National Meeting & Exposition & Chemistry & Global Stewardship
San Francisco, CA | August 10-14, 2014

26th Annual International Society for Environmental Epidemiology Conference
Seattle, Washington | August 24 - 28, 2014

SETAC North America 35th Annual Meeting
Vancouver, B.C. | November 9 - 13, 2014

SRP Annual Meeting
San Jose, CA | Nov. 12 - 15, 2014

2014 APHA Annual Meeting and Exposition
New Orleans, LA | November 15-19, 2014

Citizen Science Conference | AAAS Annual Meeting
San Jose, CA | Feb. 11-12, 2015 | Feb. 12-16, 2015

The OSU Superfund Research Center was established in 2009 and brings together a multidisciplinary team with years of experience in polycyclic aromatic hydrocarbons (PAHs) and environmental health issues.

The Superfund Research Program is federally funded and administered by the National Institute of Environmental Health Sciences (NIEHS grant #P42 ES016465), an institute of the National Institutes of Health.

STAY CONNECTED

Oregon State University