

## Environmental & Molecular Toxicology

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## Dept. Of Environmental & Molecular Toxicology Newsletter

2004, Issue 1

July 1, 2004

### WELCOME NEW EMPLOYEES



**Allison Crumbaker** joined the NPIC staff as a Faculty Research Assistant on July 6, 2004.



**Marc Curtis** joined Dr. Hays' lab as a Research Associate- PostDoctoral on July 1, 2004.




**Carley Hansen Prince** joined NPIC staff as a Faculty Research Assistant on June 7, 2004.



**Tania Lang** joined the department on April 26, 2004 as an Office Specialist 1.

Tania's hours are M-F, 10:00 am - 3:00 pm. Tania is a welcome and talented addition to the department's administrative offices. If you haven't already done

	so, please stop by the EMT office and say "hi".
	<b>Nahoe Puleloa</b> joined the NPIC staff as a Faculty Research Assistant on May 17, 2004.

#### **GOODBYE AND THANK YOU**

**Melissa Hastings** last day with EMT was Friday, July 2. Melissa started working for EMT as a freshman and gave the department many, many, many hours of service. She is now a senior in Mechanical Engineering and has moved on to a job that is closer to her field of interest. Many thanks Melissa!

#### **WELCOME NEW STUDENT WORKER TO EMT OFFICE**

**Stephanie Schulz** joined the department on July 6, 2004, as a student worker, replacing Melissa Hastings. Stephanie's hours to begin with, will be M-T 9:00-12:00 and F 9:00-2:00.

#### **GEORGE S. BAILEY MINI-SYMPOSIUM**

This special mini-symposium honors the 35-year career of **George S. Bailey**, Ph.D. With over 25 years at OSU, Dr. Bailey is a Distinguished Professor of Toxicology in the Department of Environmental and Molecular Toxicology and a principal investigator in the Linus Pauling Institute. Friday, July 9 12:30-6:00 PM at the LaSells Stewart Center. For more information call 541-737-5075.

#### **MARK YOUR CALENDARS/SAVE THESE DATES FOR:**

- 2004 PANWAT Meeting - September 17-19, 2004 - Mt. Bachelor Village Resort, Bend OR. Additional information will be provided as is becomes available
- EMT Annual Students vs. Faculty Golf Tournament and Department Picnic - Thursday, September 23, 2004. Golf Tournament location: TBA. Picnic location: Avery Park, Lion's Kitchen Shelter Additional information will be provided as the planning continues.

#### **EMT DEPARTMENT WILL WELCOME FIVE NEW GRADUATE STUDENTS - FALL 2004**

Two new NIEHS Training Grant predoctoral trainees will join the department in the fall, along with the first recipient of the EMT Fellowship. Additionally, two new graduate research assistants will be joining the department.

- David Castro, training grant trainee
- Crystal Tucker, training grant trainee
- Kerri Stanley, EMT fellow
- Phillip Tong, GRA (Dashwood laboratory)

- Shanti Jha, GRA (Kerkvliet laboratory)

### UNDERGRADUATE MINOR PROGRAM IN TOXICOLOGY TO BEGIN FALL TERM, 2004

#### Requirements:

28 credits, including 12 upper division

#### Required Courses

#### Requirements:

28 credits, including 12 upper division

#### Required Courses

CH 334	Organic Chemistry	3 crs
ST 351	Introduction to Statistical Methods	4 crs
BB 450 or 490	General Biochemistry or Biochemistry	4 crs or 3 crs
TOX 411	Fundamentals of Toxicology	3 crs

A total of five courses from the following list or two courses plus Undergraduate Research:

BI 314	Cell and Molecular Biology	4 crs
TOX 401	Research	9 crs
TOX 413	Environ. Toxicology & Risk Assessment	3 crs
TOX 430	Chemical Behavior in the Environment	3 crs
TOX 455	Ecotoxicology: Aquatic Ecosystems	3 crs
TOX 429	Toxic Substances in Food	3 crs
TOX 490	Environmental Forensic Chemistry	3 crs

### TOX 611, "TESTING FOR GENOTOXICITY" UNDERGOES CHANGE

Dr. Rod Dashwood saw the need for changes to TOX 611 and has made those changes happen! Beginning fall 2004, TOX 611 will be a short-duration, intensive lab/lecture class running Mon-Fri, 8:00 am - 5:30 pm, during the two weeks prior to the start of the term (September 13-24, 2004). Each day includes laboratory work starting at 8 am, and a 2-hour lecture covering basic principles of the assays, as well as technical details of the experiment for the day.

As a lab-based course geared towards toxicology, biochemistry, biology, food science, nutrition, and pharmacy students, it will introduce principles and methods of several key assays used to screen for DNA damage and mutation. These tests will include the following: (i) Salmonella mutagenicity assay ('Ames test'), (ii) single cell gel electrophoresis ('comet') assay, (iii) micronucleus assay, and (iv) PCR-based single strand conformation polymorphism (SSCP) screening for oncogene/tumor suppressor gene mutation in cancers.

PREREQ: Students must have at least one of the following: TOX 514, the BB 400-series, prior coursework on DNA repair and mutagenesis, and/or permission from Dr. Dashwood.

### PROFESSIONAL ACCOMPLISHMENTS, AWARDS, SPECIAL EVENTS - JANUARY - JUNE, 2004

Dr. Kim Anderson has received tenure and a promotion to Associate Professor effective July 1, 2004. Dr. Anderson received her Ph.D. in 1989
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from Washington State University and came to OSU in 1999. Dr. Anderson's research focuses on environmental forensic chemistry involving bioavailability and speciation method development to decipher sources and fate of environmentally and biologically important chemicals. Dr. Anderson is also the Director of the Food Safety and Environmental Stewardship Program. The Food Safety and Environmental Stewardship Laboratory at Oregon State University provides chemical and toxicological information from pesticide residue studies to support registration of pesticides for use on Oregon's minor crops. High quality analytical data are provided, backed by scientific studies that insure the data are defensible.



Dr. David Williams has been elected (2004-2007) Councilor for the Drug Metabolism Division of the American Society of Pharmacology and Experimental Therapeutics (ASPET).



Wendy Hillwalker successfully defended her thesis "Selenium and trace-metal accumulation in benthic-detrital food webs of lotic and lentic wetlands" on May 24, 2004 and has received her Ph.D. Wendy's major professors were Dr. Kim Anderson and Dr. Paul Jepson.

Ted Bunch, a PhD candidate, was awarded a 2004-05 Minority Group Graduate Student Pipeline



Fellowship. Ted's major professor is Dr. George Bailey.



**Dr. Phil Whanger's** laboratory and staff, have relocated to Weniger Hall, rooms 216, 227, 229 and 214A.

- Dr. Phil Whanger, Room 227, Ph: 7-1803
- Judy Butler, Sr. Fac. Res. Asst., Room 216, Ph: 7-1804
- Dr. Cynthia Bower, Fac. Res. Asst., Room 227, Ph: 7-1809

They welcome the friendly, the curious and the lost - but not the mean and grumpy!



**Dr. Andrew Buermeyer's** laboratory and staff, have relocated to the first floor of the ALS Building, rooms 1006, 1006A and 1012.


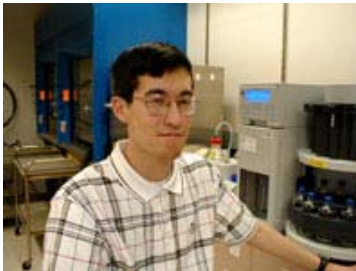
- Dr. Andrew Buermeyer, Room 1006A, Ph: 7-8919
- Azizah Mohd, Fac. Res. Asst., Stephanie Smith-Roe, predoctoral trainee on the NIEHS Training Grant, and Xin Huo, GRA

Room 1012, Ph: TBA







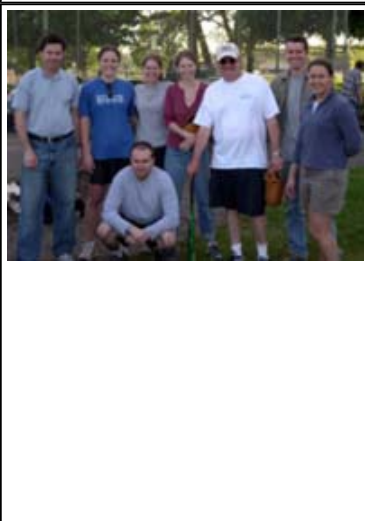
Susan Thompson Tilton, currently a predoctoral trainee on the NIEHS Training Grant, will be appointed as a Linus Pauling Institute (LPI) fellow, Fall 2004.

Luke Ackerman, a Ph.D. student (Chemistry Department) working with

	<p>Dr. Staci Simonich, received First Place Best Student Poster Presentation Award for his poster entitled "<i>Polybrominated diphenyl ether residue analysis method for fish tissues from remote, high elevation ecosystems</i>" at the PNW-SETAC annual meeting in April 2004.</p>
	<p>Robert Killin, a former MS Student (Chemistry Department) working with Dr. Staci Simonich (and currently, a Fac. Res. Assistant), received Honorable Mention for his platform presentation at PNW-SETAC in April 2004, entitled "<i>Anthropogenic semi-volatile organic compounds measured at Cheeka Peak Observatory during spring 2002.</i>"</p>

**OTHER ACCOMPLISHMENTS, AWARDS, SPECIAL EVENTS -  
JANUARY - JUNE, 2004**

	<p>Ted Bunch, a PhD candidate and single father of 13-year old Kimani Bunch, was the focus of a Father's Day cover story in the Corvallis Gazette Time's on Sunday, June 20, 2004.</p> <p><a href="#">Click here to read the Article</a></p>
	<p>Angela Heater, a predoctoral trainee on the NIEHS Training Grant in the EMT department and Santi Perez, a PhD candidate in the Zoology department, were married on Friday, February 13, 2004, at the CH2M Hill Alumni Center here on campus.</p>
	<p>Dr. Staci Simonich, Asst. Professor and Dr. Michael Simonich, Res. Associate in the Marine Freshwater Biomedical Sciences Center, welcomed the arrival of their first child,</p>

	<p>Noah David Simonich on Leap Day - February 29, 2004. All three came through the delivery with flying colors!</p>
	<p>The EMT Softball Team aka "Running on EMT", had an excellent fun season this spring - it just was not exactly a WINNING season. However, they all had a great time and are looking forward to next year. Team members were: Graham Corley-Smith, Elisha Wood-Charlson (Zoology), Mark Reimers, Katie Johnson, Kara Warner, Dave Williams, Greg Sower, Wade Trevathan and Angie Perez.</p>



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