



## Life Sciences Research Weekend at the Pacific Science Center

Co-presented by the Northwest Association for Biomedical Research and  
the Washington Biotechnology & Biomedical Association

Thursday-Sunday

November 8-11, 2007

Pick up and complete your "lab notebook," enter to win prizes twice daily

### Special Events by Day

Thursday				
Event	Description	Organization/Presenters	Time	Location
Demonstration	<b>Mouse Houses and Rat Retreats:</b> You know your preferences for a good bed and the perfect wall colorings in your home, but do you know what a mouse would like in his house? Join veterinarians and build a mouse house!	VA Puget Sound Health Care System Cindy Pekow, DVM Kari Koszdin, DVM	11am-11:30 am and 1pm-1:30pm	Demonstration Stage Building 2
Line Lectures	<b>Wired to Win: Surviving the Tour de France:</b> Informal activities as you wait in line – blind spot testing, brain origami and visual illusions.	UW Bioengineering; UW Molecular and Cellular Biology	11am-3:30pm	Eames Imax Theater  (Film Times: 10:30am, 11:30am, 1:30pm, 3:30pm)

Friday				
Event	Description	Organization/Presenters	Time	Location
Demonstration	<b>Journey Into the Brain:</b> Learn about the amazing cells that make up the brain and the connections that are so important for the many functions of your brain.	UW Bioengineering Eric Chudler, PhD	11am-11:30 am and 1pm-1:30pm	Demonstration Stage Building 2
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Saturday				
Event	Description	Organization/Presenters	Time	Location
Demonstration	<b>SimMan:</b> Come see a live demonstration of a high tech, anatomically correct mannequin that can respond realistically to drugs and even speak.	Renton Technical College and the Consortium for Nursing Education in Washington State (CNEWS) Sim Task Force Brian Halpern, RN, BSN Neil Foltz, RN, MSN	11am-11:30 am and 1pm-1:30pm	Demonstration Stage Building 2
Line Lectures	<b>Wired to Win: Surviving the Tour de France:</b> Informal activities as you wait in line – blind spot testing, brain origami and visual illusions.	UW Bioengineering; UW Molecular and Cellular Biology	11am-3:30pm	Eames Imax Theater (Film Times: 11:30am, 1:30pm, 3:30pm, 5:30pm)
Line Lectures	<b>Nanomolecules Take Wing:</b> Informal activities as you wait in line – butterfly wing pigment is created by tiny molecules	UW Center for Nanotechnology; UW GEMSEC	11am-3pm	Butterfly House

Sunday				
Special Lecture	<b>Dr. Samuel Wasser</b> Using DNA to Track the Illegal Elephant Ivory Trade in Africa	UW Biology, Center for Conservation Biology	1pm	Laser Dome
Special Lecture	<b>Dr. Yoky Matsuoka</b> Using Robots to Improve Human Quality of Life	UW Computer Science & Engineering, MacArthur 'Genius' Award Recipient	2pm	Laser Dome
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### Activity and Display Tables

Ackerley Family Gallery - Scientists are present Thursday-Sunday, 11am-3pm

Title	Description	Organization
<b>Genes affect how you taste food</b>	Find out if you carry the gene that causes food to taste bitter. Scientists will show you how genes are identified through special lab tests and explain how genetic information is important to their research.	Amgen
<b>3-D illustration and video</b>	Art brings the human body to life.	Arkitek Studios
<b>Innovative diabetes research</b>	Meet the BRI cycling team.	Benaroya Research Institute
<b>How is a cell phone like a cell?</b>	They both function through networks! The graphing software used by scientists will allow you to explore concepts behind biological networks while focusing on cell phone networks.	Institute for Systems Biology
<b>Toxipedia</b>	Learn interesting facts and history about common toxic agents.	Institute of Neurotoxicology & Neurological Disorders
<b>Student Biotech Expo posters and art exhibits</b>	High school student projects demonstrate expertise in the Life Sciences.	Northwest Association for Biomedical Research
<b>"Thank you for doing research"</b>	Write a message of appreciation to scientists! Make origami mice!	Northwest Association for Biomedical Research
<b>Craft Activities</b>	Get creative with coloring! Make your own germinator!	Northwest Association for Biomedical Research Pacific Science Center
<b>Imagine being a scientist</b>	Dress up like a scientist and get your picture taken. Learn about great careers in life sciences.	Northwest Association for Biomedical Research; FDA, Pacific Regional Laboratory-Northwest
<b>Nutrition Game</b>	Win a prize for playing a nutrition game! Watch a video about picking snack foods. Learn why you like dessert!	Northwest Center for Research on Eating Behaviors
<b>SimMan</b>	Come meet a high tech, anatomically correct mannequin that can mimic diseases and respond realistically to drugs.	Renton Technical College and the Consortium for Nursing Education in Washington State (CNEWS) Sim Task Force



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### Activity and Display Tables, Continued

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Title	Description	Organization
<b>Global Health Research</b>	Learn about research with global implications.	Seattle Biomedical Research Institute
<b>Clinical Trials</b>	Learn how clinical trials benefit everyone	Swedish Medical Center
<b>Youth Take Heart</b>	Explore the fat, sugar, and salt content of fast food menu items, dissect a sheep heart, and play a blood pressure game.	The Hope Heart Institute, UW Engineered Biomaterials (UWEB), and Mathematics Engineering Science Achievement (MESA)
<b>Brain research</b>	Test your senses!	UW Neurobiology & Behavior Community Outreach; Seattle Science Foundation
<b>Reverse Operation</b>	Now is your chance to see real heart stents and replacement valves, knees, and hips and place them on a skeleton.	UW Biomedical Engineering Society (BMES)
<b>Wildlife Detectives!</b>	Come meet the dogs that use their sense of smell to track animals through their scat.	UW Biology, Center for Conservation Biology
<b>Compare your genetics to that of a fruit fly</b>	What genetic traits make you similar or different from a fruit fly, a mouse, a worm, and other people? Note some of your genetic traits (mid-digital finger hair, tongue rolling, widows peak), make a badge, and note how many other people possess those same genetic traits	UW Genome Sciences, Education Outreach
<b>Snow World</b>	A virtual reality snow world with snowfall, skiers and flying snowballs is proving beneficial to burn patients by relieving excessive pain during wound care and physical therapy.	UW Mechanical Engineering, Human Interface Technology Laboratory
<b>DNA - the stuff of life!</b>	Come harvest DNA from strawberries. <b>Saturday and Sunday ONLY</b>	UW Medicine, South Lake Union Group
<b>Fruit of the Future</b>	See how genetic information is being used to improve fruit traits	Washington State University, Department of Horticulture &LA