



2009 Life Sciences Research Weekend
at Pacific Science Center

November 6-8th
Friday 10am-4pm
Saturday and Sunday 10am-5pm

WEEKEND HIGHLIGHTS

DEMONSTRATIONS

Friday only, 11:00 am and 1:00pm – Building 2, Demo Stage
“Journey into the Brain” Dr. Eric Chudler UW Bioengineering

Friday, Saturday and Sunday, 10:30 am, 11:30 am and 1:30 pm – Ackerley Gallery
Science on Wheels Pacific Science Center

INTERACTIVE EXHIBITS – Friday through Sunday

<u>Exhibitor</u>	<u>Activities</u>
Amgen	“Explore Antibodies” Make an antibody and learn how antibodies fight disease
Bates Technical College, Biotech Lab Tech Program	“Be a lab scientist” View germs and make an anti-bacterial gel. Make a bouncy ball and analyze pH of common foods.
Benaroya Research Institute	“Autoimmunity Awareness” Solve a “genetic code puzzle”, view cells in a microscope, explore autoimmune disease models
Institute for Systems Biology	Understanding Systems in Biology
Iverson Genetic Diagnostics	Build a DNA double helix
Northwest Association for Biomedical Research	“Think like a Scientist” Evaluate lotions; play “Order of Science” game
Renton Technical College	SimMan and SimBaby (Sat. & Sun. only) Be the doctor – take blood pressure, listen to the heart and lungs of a mannequin!
Seattle Biomedical Research Institute and Washington Global Health Alliance	“Global Health: The Fabric of Our Lives” View and filter “sea monkeys”. Learn fabulous fungus facts.

Shoreline Community College
Biotechnology Lab Specialist Program

“Catch a Crook”

Use techniques of DNA analysis to compare DNA fingerprints

Swedish Medical Center

“From Pipette to Purpose”

Touch a pig heart! Listen to heart beats! Practice using common laboratory tools

UW Biochemistry and
UW Computer Science & Engineering

“Fold-It Game”

Play an interactive protein-folding videogame. Handle 3D protein models.

UW Biomedical Engineering Society

Bioengineering Tools

Identify and handle artificial joints.

UW Center for Nanotechnology,
UW Genetically Engineered Materials
Science & Engineering Center and
UW Nanotechnology and Nanoscience
Student Association

Nanotech Games

Games and demonstrations with nanotechnology and a biological focus.

UW Genome Sciences

Genetic Traits in You and Animals

Check out your genetic traits. View mutant flies, worms and plants. Visualize your own DNA!

UW Graduate Students
with Pacific Science Center
Molecular & Cell Biology Program,
School of Oceanography,
Plant Laboratory

“Grad Students in Action”

Explore unique and varied research topics with UW graduate students

UW Human Interface Technology Lab,
Harborview Regional Burn Center

Snow World and Spider World

Play a virtual snowball fight and capture a virtual spider. Learn how these activities are used by doctors.

UW Medicine, South Lake Union Group

Strawberry DNA Extraction

UW Neurobiology & Behavior
Community Outreach

“Brain Tricks!”

See how your brain interprets the world

Western Institutional Review Board

Human Subjects Research

Play Twister, choose between Black Boxes, make Rorschach inkblots and learn how they relate to informed consent for clinical trials.

WSU Horticulture Dept.

“Fruit of the Future”

See how genetic engineering improves the flavor and nutrition of your favorite fruits

Youth Take Heart (Hope Heart Institute
and UW Engineered Biomaterials}

“Heart Health”

Play a “clogged artery” game. Touch a sheep heart.