

Curriculum Vitae
Kristin L. Latham

Biology Department
Western Oregon University
345 N. Monmouth Ave.
Monmouth, OR 97361

Office 503.838.8868
Fax 503.838.8072
lathamk@wou.edu
www.wou.edu/~lathamk

EDUCATION

Ph.D.	Molecular and Cellular Biology Oregon State University, Corvallis, OR Title: Regulation by Male-Specific <i>fruitless</i> of Neural Circuitry Used during Courtship and Copulation Behavior in <i>Drosophila melanogaster</i> .	2005
B.S.	Biology Major, Research Emphasis; Minors in Chemistry, Music <i>Magna Cum Laude</i> (GPA above 3.75) Pacific Lutheran University, Tacoma, WA	1998

TEACHING EXPERIENCE

Assistant Professor , Western Oregon University General Biology (BI 102, BI 103), Principles of Biology (BI 211), Introductory Genetics (BI 314), Cell Biology (BI 315), Developmental Biology (BI 326), Human Heredity (BI 441/541), Molecular Biology (BI 475)	2008-present
Instructor , Oregon State University, Corvallis, OR Principles of Biology (BI 212)	2010-2012
Co-instructor , Oregon State University, Corvallis, OR Techniques in Molecular Biology (MCB525)	2007
Visiting Assistant Professor , Willamette University, Salem, OR Cell Biology and Genetics (BIOL 130), Gene Structure and Function (BIOL 333), Genes and Development (BIOL 470), Cell Biology and Genetics Laboratory (BIOL 130Y), Gene Structure and Function Laboratory (BIOL 333Y), Human Heredity Laboratory (BIOL 112Y)	2005-2006
Guest Lecturer , Oregon State University, Corvallis, OR Embryology and Development (Z425/525)	2003-2004, 2007, 2010
Teaching Assistant , Oregon State University, Corvallis, OR Embryology and Development Laboratory (Z425/525), Cell Biology Laboratory (BI461/561), Terminology in the Health Sciences (PHAR210)	1998-1999, 2002-2003
Teaching Assistant , Pacific Lutheran University, Tacoma, WA Principles of Biology II Laboratory (BI162)	1998
Teaching Assistant , University of Washington, Seattle, WA Halbert Robinson Center for the Study of Capable Youth, Summer Stretch 7 th , 8 th , 9 th Grade Biology Program	1994

RESEARCH EXPERIENCE

Postdoctoral Research Associate , Oregon State University, Corvallis, OR •Circadian and steroid hormone influence on neuroendocrine regulation of GnRH secretion, laboratory of Patrick E. Chappell, Ph.D.	2007-2008
---	-----------

Research Assistant , Oregon State University, Corvallis, OR	2005
•Development and lineage analysis of neurons involved in courtship and mating behavior in <i>Drosophila melanogaster</i> , laboratory of Barbara J. Taylor, Ph.D.	
Doctoral Dissertation Research , Oregon State University, Corvallis, OR	1999-2005
•Neuronal regulation of sexual behavior in <i>Drosophila melanogaster</i> , laboratory of Barbara J. Taylor, Ph.D.	
Neurobiology of Drosophila Course Participant , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY	2000
•Development, imaging, and behavioral analyses, in <i>Drosophila melanogaster</i>	
Research Internships , Oregon State University, Corvallis, OR	1998-1999
•Analysis of eukaryotic cell division, laboratory of Dahong Zhang, Ph.D.	
•Behavioral and anatomical screen of male- and female-sterile lines in <i>Drosophila</i> , laboratory of Barbara J. Taylor, Ph.D.	
•Transformation and examination of GFP-tagged Rho-related protein in plants (ROP) in maize, laboratory of John E. Fowler, Ph.D.	
Howard Hughes Undergraduate Research Fellow , University of Washington, Seattle, WA	1997
•Migration and differentiation analysis and imaging of neural crest derivatives in <i>Danio rerio</i> , laboratory of David W. Raible, Ph.D.	
Murdock Charitable Trust Summer Research Internship , Pacific Lutheran University, Tacoma, WA	1996
•Mechanisms of resistance to tobacco etch virus (TEV) in <i>Nicotiana tabacum</i> , laboratory of John A. Lindbo, Ph.D.	

PUBLICATIONS

Kristin L. Latham and Barbara J. Taylor. "A small cohort of neurons co-expressing the male-specific Fruitless proteins and Engrailed are necessary for copulatory behaviors in *Drosophila melanogaster*". [In Final Preparation – to be submitted to BMC Neuroscience July 2012]

Sarah M. Boomer and **Kristin L. Latham**. (2011) "Manipulatives-based laboratory for majors biology – a hands-on approach to understanding respiration and photosynthesis". *Journal of Microbiology & Biology Education*, **12**(2), 127-134.

Patrick E. Chappell, Cheri P. Goodall, Karen J. Tonsfeldt, Rachel S. White, Erin Bredeweg, **Kristin L. Latham**. (2009) "Modulation of Gonadotropin-Releasing Hormone (GnRH) Secretion by an Endogenous Circadian Clock". *J Neuroendocrinol.* **21**(4), 339-345.

Lynn M. Ditch, Troy Shirangi, Jeffrey L. Pitman, **Kristin L. Latham**, Kim D. Finley, Philip T. Edeen, Barbara J. Taylor, Michael McKeown. (2005) "*Drosophila retained/dead ringer* is necessary for neuronal pathfinding, female receptivity, and repression of *fruitless* independent male courtship behaviors". *Development* **132**, 155-64.

Kristin L. Latham, Cheri P. Goodall, Rachel S. White, Pamela L. Mellon, Patrick E. Chappell. "Steroid regulation of membrane modulator expression in hypothalamic GT1-7 cells, correlated with altered GnRH secretion *in vitro*." [In Preparation – to be submitted 2012-2013]

Kristin L. Latham and Barbara J. Taylor. "Sex-dependent differentiation and development of terminal serotonergic neurons in the abdominal ganglion of *Drosophila melanogaster*". [In Preparation – to be submitted 2012-2013]

PRESENTATIONS AT SCIENTIFIC CONFERENCES

Oregon Academy of Science Annual Meeting, Portland, OR (talk)	2011
The Endocrine Society's 90 th Annual Meeting, San Francisco, CA (poster)	2008
Society for Neuroscience 37 th Annual Meeting, San Diego, CA (talk)	2007
72 nd Symposium: Clocks and Rhythms, Cold Spring Harbor Laboratory, NY (poster)	2007
Northwest Regional Developmental Biology Conference, Friday Harbor, WA (talk)	2005
Society for Neuroscience 34 th Annual Meeting, San Diego, CA (poster)	2004
Society for Neuroscience, Oregon Chapter, 3 rd Annual Meeting, Salishan, OR (talk)	2004
Neurobiology of Drosophila, Cold Spring Harbor Laboratory, NY (poster)	2003
Center for Gene Research and Biotechnology, Oregon State University (poster)	2003
Annual Retreat, Newport, OR	
44 th Annual Drosophila Research Conference, Chicago IL (poster)	2003
36 th Northwest Developmental Biology Research Conference Friday Harbor, WA (poster)	2003
Society for Neuroscience, Oregon Chapter, 2 nd Annual Meeting Salishan, OR (poster)	2003
43 rd Annual Drosophila Research Conference, San Diego, CA (poster)	2002
Center for Gene Research and Biotechnology at Oregon State University (poster)	2002
Annual Retreat, Bend, OR	
42 nd Annual Drosophila Research Conference, Washington D.C. (poster)	2001

GRANTS AND FELLOWSHIPS

National Science Foundation ADVANCE Grant , Gonzaga University, Spokane, WA	2012
Faculty Development Grant (Course Release) , Western Oregon University	2012
Faculty Development Grant (Travel) , Western Oregon University	2012
Faculty Development Grant (Major Projects) , Western Oregon University	2012
Faculty Development Grant (Travel) , Western Oregon University	2011
Faculty Development Grant (Major Projects) , Western Oregon University	2010
Grant-in-Aid of Research, Sigma Xi , Research Triangle Park, NC	2002
National Science Foundation GK-12 Fellowship , Oregon State University, Corvallis, OR	2001-2002

AWARDS AND HONORS

Eli Lilly Graduate Student Travel Award , Society for Neuroscience, Washington, DC	2004
Notable Graduate Student Talk - Soma Award , Society for Neuroscience, Washington, DC	2004
DeLill Nasser Award for Professional Development in Genetics , Genetics Society of America, Bethesda, MD	2002
Outstanding Graduate Student Poster , Center for Gene Research and Biotechnology, Corvallis, OR	2002
Dean's List , Pacific Lutheran University, Tacoma, WA	1997-1998

PROFESSIONAL EXPERIENCE

Drosophila Research and Pedagogy Workshop Participant , 53 rd Annual Drosophila Research Conference, Chicago, IL	2012
NSF Grant-Writing Workshop Participant , Oregon State University, Corvallis, OR	2011
Drosophila Research and Pedagogy Workshop Participant , 52 nd Annual Drosophila Research Conference, San Diego, CA	2011
Invited Speaker , Yamhill County Career & College Expo, McMinnville, OR	2010
Invited Speaker , Hillside Adventures in Learning Seminar Series, Hillside Retirement Community, McMinnville, OR	2009
Invited Speaker , Summer Bridge Success in Sciences Presentation, Western Oregon University, Monmouth, OR	2009-2010
Teaching Skills Workshops Participant , Center for Teaching and Learning, Oregon State University, Corvallis, OR	2007, 2008
Invited speaker , Biology Colloquium Series, Willamette University, Salem, OR	2006
Invited Speaker , College Preparation Colloquium, University of Washington, Seattle, WA	1994-1997

PROFESSIONAL AFFILIATIONS

Oregon Academy of Science , Portland, OR	2011-present
American Federation of Teachers , Western Oregon University, Monmouth, OR	2008-present
Society for Neuroscience , Washington, DC	2007-2011
Genetics Society of America , Bethesda, MD	1999-present
The Endocrine Society , Chevy Chase, MD	2008-2010
Coalition of Graduate Employees , Oregon State University, Corvallis, OR	2000-2005

ACADEMIC ADVISING

Pre-Pharmacy (pre-professional), Biology ~30 students/term	2010-present
Molecular/Cell emphasis, Biology ~5 students/term	2008-present
General emphasis, Biology ~15 students/term	2008-2010
Minor, Biology ~3 students/term	2008-present

UNDERGRADUATE RESEARCH MENTEES

Ryan Parker	2012
Trevor Roush	2012
Elizabeth Mason	2012-present
Amy Nicholson*	2011-2012
*Poster presentation at Academic Excellence Showcase May 2012	
Jenna Schneider*	2011-2012
*Poster presentation at Academic Excellence Showcase May 2012	
Adam Pettitt[§]	2011-present
[§] Kenneth M. Walker Research Scholarship Recipient June 2011	
Brandon Walker*	2011
*Poster presentation at Academic Excellence Showcase May 2011	
James Kramer	2010-2011
Amanda LaKamp	2009

INSTITUTIONAL SERVICE

Faculty Senate Executive Committee , Secretary, Western Oregon University	2012-present
Faculty Senate Executive Committee , At-large Member, Western Oregon University	2011-2012
Search Committee , Non-tenure-track Biology Position, Western Oregon University	2012
Faculty Senator , NSM Representative, Western Oregon University	2011-present
Writing-Intensive Committee , NSM Representative, Western Oregon University	2009-present
Professional Concerns Committee , NSM Division, Western Oregon University	2009-present
SOAR Department Representative , Western Oregon University	2008-present
Early-Bird Department Representative , Western Oregon University	2008-present
Preview Days Department Representative , Western Oregon University	2008-present
Scholarship Committee , Biology Department, Western Oregon University	2008-present
New Student Week , How to Succeed in Math and Science, Western Oregon University	2011
Search Committee , Non-tenure-track A&P Position, Western Oregon University	2011
Search Committee , Tenure-track Cell Physiologist, Western Oregon University	2010-2011
Professor Chat , Western Oregon University	2010-2011
SEP Summer Bridge Presentation , Success In the Sciences, Western Oregon University	2009-2011
Substitute Faculty Senator , Western Oregon University	2010
Search Committee , Non-tenure-track Biology Position, Western Oregon University	2010
Search Committee , Tenure-track Plant Ecophysiologist, Western Oregon University	2008-2009
Seminar Committee , NSM Division, Western Oregon University	2008-2009
Invited Speaker Committee (Co-chair) , CGRB, Oregon State University	2004
Biochemistry/Biophysics Faculty Search Committee (Chair, Student Subcommittee) , OSU	2003
Biology Graduate Student Symposium (Co-chair) , OSU, Newport, OR	2002-2003

COMMUNITY SERVICE

Science Olympiad , Event Coordinator – Microbe Mission, Western Oregon University	2012
Hands-On Science , Activity Day at WOU for Oakdale First-grade students	2011
Faculty Sponsor , Crescent Valley High School Student Honors Chemistry Project: Testing Native Oregon Plants, <i>Lupinus Rivularis</i> , <i>Symphoricarpos</i> , and <i>Allium Canadense</i> as <i>Drosophila Melanogaster</i> Repellents	2010-2011
Laboratory Tour Leader , Association for Women in Science (AWIS) Seventh and Eighth Grade Girls Science and Engineering Workshop, Oregon State University, Corvallis, OR	2002-2003, 1999-2000
Laboratory Tour Leader , Science and Math Investigative Learning Experiences (SMILE), Oregon State University, Corvallis, OR	2002
Co-chair , Association for Women in Science (AWIS) Seventh and Eighth Grade Girls Science and Engineering Workshop, Oregon State University, Corvallis, OR	2000