Jennifer Nemhauser

Department of Biology
University of Washington
Box 351800
Seattle, WA 98195-1800

phone: 206 543 0753 fax: 206 685 1728 email: jn7@uw.edu http://depts.washington.edu/nemlab/

APPOINTMENTS

University of Washington, Seattle	
Faculty Member, Molecular and Cellular Biology Program2006-prUniversity of Washington, Seattle2006-pr	resent
Paul G. Allen Family Foundation Distinguished Investigator2011-p	resent
Faculty Member, Faculty of 10002011-p	resent
Monitoring Editor, Plant Physiology 2013-pa	resent
PROFESSIONAL PREPARATION	
Postdoctoral Fellow, Salk Institute, CA, Dr. Joanne Chory2000Hormone networks controlling seedling development.2000	-2006
Graduate Student , University of California, Berkeley, Dr. Patricia Zambryski 1995 Phytohormone regulation of organogenesis in flowers.	-2000
Research Assistant, Whitehead Institute, MA, Dr. Eric Lander1993Positional cloning of the mouse mutations <i>nude</i> and <i>vibrator</i> .1993	-1995
Undergraduate Thesis Student , Wellesley College, MA, Dr. T. Kaye Peterman 1992 Characterization of the promoter of an <i>Arabidopsis</i> gene encoding a jasmonate biosynthetic enzyme.	-1993
EDUCATION	
University of California, Berkeley, CA.1995Ph.D in Plant Biology, August 2000.1995	-2000
Wellesley College, Wellesley, MA.1989B.A. in Biological Sciences, magna cum laude, May 1993.1989	-1993
Hebrew University, Jerusalem, Israel. 1991	-1992
HONORS and AWARDS	
Inaugural class, Allen Distinguished Investigator	2011
Outstanding UW Woman, Residential Life Services	2011 2011
Invited to Judge ASUW Drag Competition Faculty speaker at Tri-Beta Biology Honor Society Induction Ceremony	2011 2009

Keystone Scholarship, Keystone Symposium, Tahoe City, CA2002Ruth L. Kirschstein National Research Service Award, National Institutes of Health2000-2003Outstanding Graduate Student Instructor, U. California1996magna cum laude diploma with departmental honors, Wellesley College1993Adelaide Nyles Bylea Prize for Botany, Wellesley College1993Sigma Xi Science Honor Society Induction1993

GRANTS

An Auxin Toolbox for Synthetic Multicellular Systems NSF MCB-1411949, 08/14-7/17, Nemhauser: co-PI. Collaborative project with E. Klavins, Electrical Engineering, University of Washington. Control of Protein Degradation Dynamics in the Auxin Response NIH 1 R01 GM 107084-01, 3/14-2/18, Nemhauser: PI. Collaborative project with E. Klavins, Electrical Engineering, University of Washington. Establishing a crop plant as a comparative model for growth control Royalty Research Fund, University of Washington, 9/12-8/14, Nemhauser: PI. *Re-programming Cells with Plant-derived Signaling Pathways* Paul G. Allen Family Foundation Distinguished Investigator Award, 1/11-12/14, Nemhauser: PI. Collaborative project with E. Klavins, Electrical Engineering, University of Washington. *Timing is everything: brassinosteroid activity during early seedling development* American Society of Plant Biologists Summer Undergraduate Fellowship Award Summer 2010; Nemhauser: PI (support for C. Gee). Combinatorial Control of Photomorphogenesis by Auxin and Brassinosteroids NSF IOS-0919021, 7/09-6/13, Nemhauser: PI. Arabidopsis 2010: High-resolution Mapping of Regulatory DNA NSF MCB-0929046, 12/09-11/13, Nemhauser: co-PI. Collaborative project with J. Stamatoyannopoulos and C. Queitsch, Genome Sciences, University of Washington. Dissection and Manipulation of Plant Hormone Networks

Royalty Research Fund, University of Washington, 9/08-9/10, Nemhauser: PI.

PUBLICATIONS

Graduate students; postdocs; undergraduates mentored by JLN indicated

*equal contribution

- Sullivan AM*, Arsovski AA*, Lempe J*, Bubb KL*, Weirauch MT, Sabo PJ, Sandstrom R, Thurman RE, Neph S, Reynolds AP, Stergachis A, Vernot B, Johnson AK, Haugen E, Sullivan ST, Dargiel A, Neri J, Weaver M, Diegel M, Mnaimneh S, Yang A, Hughes TR, <u>Nemhauser JL</u>, Queitsch C, Stamatoyannopoulos JA (2014) Mapping and dynamics of regulatory DNA and transcription factor networks in *A. thaliana. Cell Reports*, in press. JLN collaborated in experimental design and manuscript preparation
- Pierre-Jerome E*, Jang SS*, Havens KA, <u>Nemhauser JL</u>, Klavins K. (2014) Recapitulation of the forward nuclear auxin response in yeast. *Proc Natl Acad Sci.* 111:9407-12. JLN wrote the paper as co-corresponding author

- Lilley JL, Gan Y, Graham IA, <u>Nemhauser JL</u>. (2013) The effects of DELLAs on growth change with developmental stage and brassinosteroid levels. *Plant J*. 76:165-73. JLN wrote the paper as corresponding author
- Yu H, Moss BL, Jang SS, Prigge M, Klavins E, <u>Nemhauser JL</u>, Estelle M. (2013) Mutations in the TIR1 auxin receptor that increase affinity for auxin/indole-3-acetic acid proteins result in auxin hypersensitivity. *Plant Physiol*. 162:295-303.

JLN collaborated in experimental design and manuscript preparation

Pierre-Jerome E*, Moss BL*, <u>Nemhauser JL</u>. (2013) Tuning the auxin transcriptional response. J Exp Bot. 64:2557-63.

JLN wrote the paper as corresponding author

- Strader LC, <u>Nemhauser JL</u>. (2013) Auxin 2012: a rich mea ho'oulu. *Development*, 140:1153-7. JLN wrote the paper as co-corresponding author
- Lachowiec J, Lemus T, Thomas JH, Murphy PJ, <u>Nemhauser JL</u>, Queitsch C. (2013) The protein chaperone HSP90 can facilitate the divergence of gene duplicates. *Genetics*. 193:1269-77.

JLN wrote the paper as co-corresponding author

Lilley JL*, Gee CW*, Sairanen I, Ljung K, <u>Nemhauser JL</u>. (2012) An endogenous carbonsensing pathway triggers increased auxin flux and hypocotyl elongation. *Plant Physiology*, 160:2261-70.

JLN wrote the paper as corresponding author; **Faculty of 1000 Recommended**

- Havens KA*, Guseman JM*, Jang SS*, Pierre-Jerome E*, Bolten N, Klavins E, Nemhauser JL.
 (2012) A synthetic approach reveals extensive tunability of auxin signaling. *Plant Physiology Focus Issue: Ubiquitin in Plant Biology*.160: 135-42.
 JLN wrote the paper as co-corresponding author
- Arsovski AA*, Galstyan A*, Guseman JM*, <u>Nemhauser JL</u>. (2012) Photomorphogenesis. The *Arabidopsis Book* 10:e0147. doi:10.1199/tab.0147.

JLN wrote the paper as corresponding author

Walcher CL, and <u>Nemhauser J</u>. (2012) Bipartite promoter element required for auxin response. *Plant Physiol*. 158:273-82

JLN designed, executed, analyzed experiments; wrote the paper as corresponding author Stewart J, Maloof J, and <u>Nemhauser JL</u>. (2011) Sucrose requires PIF function to promote seedling growth, *PLoS One* 6:e19894.

JLN designed and analyzed experiments; wrote the paper as corresponding author

Stewart JL, <u>Nemhauser JL</u>.(2010) Do trees grow on money? Auxin as the currency of the cellular economy. *Cold Spring Harb Perspect Biol*. 2:a001420.

JLN wrote the paper as corresponding author

Lohmann JU, <u>Nemhauser JL</u>. (2009) Cell signalling and gene regulation. *Curr Opin Plant Biol*.12:517-9.

JLN wrote the paper as co-corresponding author

Kuppusamy KT, Chen AY, <u>Nemhauser JL</u>. (2009) Steroids are required for epidermal cell fate establishment in *Arabidopsis* roots. *Proc Natl Acad Sci*. 106:8073-6.

JLN designed, executed, analyzed experiments; wrote the paper as corresponding author Kuppusamy KT*, Walcher CL*, <u>Nemhauser JL</u>. (2009) Cross-regulatory mechanisms in

hormone signaling. Plant Mol Biol. 2009 69:375-81.

JLN wrote the paper as corresponding author

- Vert G, Walcher CL, Chory J, <u>Nemhauser JL</u>, (2008) Integration of auxin and brassinosteroid pathways by AUXIN RESPONSE FACTOR 2. *Proc Natl Acad Sci*, 105: 9829-34. JLN designed, executed, analyzed experiments; wrote the paper as co-corresponding author; Faculty of 1000 Must Read
- Nemhauser JL. (2008) Dawning of a new era: photomorphogenesis as an integrated molecular network. *Curr Opin Plant Biol*, 11:4-8.

JLN wrote the paper as corresponding author

<u>Nemhauser JL</u>*, Hong F*, and Chory J (2006) Different plant hormones regulate similar processes through largely non-overlapping transcriptional responses. *Cell* 126:467. JLN designed, executed, analyzed experiments; wrote the paper

```
Faculty of 1000 Recommended
```

Hong F, Breitling R, McEntee CW, Wittner BS, <u>Nemhauser JL</u>, and Chory J. (2006) RankProd: a bioconductor package for detecting differentially expressed genes in meta-analysis. *Bioinformatics* 22:2825.

JLN designed and analyzed experiments

- Vert G*, <u>Nemhauser JL</u>*, Geldner N*, Hong F, Chory J. (2005) Molecular mechanisms of steroid hormone signaling in plants. *Annu Rev Cell Dev Biol* 21:177-201. JLN designed and analyzed experiments; wrote the paper
- Nemhauser JL, Chory J. (2005) A new FronTIR in targeted protein degradation and plant development. *Cell* 121:970-2. JLN wrote the paper
- Nemhauser JL, Mockler TC and Chory J. (2004) Interdependency of brassinosteroid and auxin signaling in Arabidopsis. *PLoS Bio* 2:1460-71.

JLN designed, executed, analyzed experiments; wrote the paper

Faculty of 1000 Must Read

<u>Nemhauser JL</u> and Chory J. (2004) BRing it on: new insights into the mechanism of brassinosteroid action. *J Exp Bot* 55: 265-70.

JLN wrote the paper

Nemhauser J, Maloof JN, Chory J. (2003) Building integrated models of plant growth and development. *Plant Physiology* 132:436-9.

JLN designed, executed, analyzed experiments; wrote the paper

Friedrichsen DM*, <u>Nemhauser J</u>*, Muramitsu T, Maloof JN, Alonso J, Ecker JR, Furuya M, Chory J. (2002) Three Redundant Brassinosteroid Early Response Genes Encode Putative bHLH Transcription Factors Required for Normal Growth. *Genetics* 162: 1445-56. JLN designed, executed, analyzed experiments; wrote the paper

- <u>Nemhauser J</u> and Chory J. (2002) Photomorphogenesis. *The Arabidopsis Book*, eds, Somerville C and Meyerowitz, E. http://www.aspb.org/publications/arabidopsis/ JLN wrote the paper
- Nemhauser JL, Feldman LJ, Zambryski PC. (2000) Auxin and ETTIN in Arabidopsis gynoecium morphogenesis. *Development* 18: 3877-88.

JLN designed, executed, analyzed experiments; wrote the paper

Sessions A, <u>Nemhauser JL</u>, McColl A, Roe JL, Feldmann KA, Zambryski PC. (1997) *ETTIN* patterns the Arabidopsis floral meristem and reproductive organs. *Development* 124: 4481-4491.

JLN executed and analyzed experiments; wrote the paper

- Roe JL, <u>Nemhauser JL</u>, Zambryski PC. (1997) *TOUSLED* participates in apical tissue formation during gynoecium development in Arabidopsis. *Plant Cell* 9: 335-353. JLN designed, executed, analyzed experiments
- Hamilton BA, Smith DJ, Mueller KL, Kerrebrock AW, Bronson RT, Van Berkel V, Daly MJ, Kruglyak L, Reeve MP, <u>Nemhauser JL</u>, Hawkins TL, Rubin EM, Lander ES. (1997) The vibrator mutation causes neurodegeneration via reduced expression of PITP-alpha: Positional complementation cloning and extragenic suppression. *Neuron* 18: 711-722. JLN designed and executed experiments
- Kurooka H, Segre JA, Hirano Y, <u>Nemhauser JL</u>, Nishimura H, Yoneda K, Lander ES, Honjo T. (1996) Rescue of the hairless phenotype in nude mice by transgenic insertion of the wild-type Hfh11 genomic locus. *International Immunology* 8: 961-966. JLN executed experiments
- Segre JA, <u>Nemhauser JL</u>, Taylor BA, Nadeau JH, Lander ES. (1995) Positional cloning of the nude locus: Genetic, physical, and transcription maps of the region and mutations in the mouse and rat. *Genomics* 28: 549-559.

JLN designed, executed, analyzed experiments

Melan MA, <u>Nemhauser JL</u>, Peterman TK. (1994) Structure and sequence of the Arabidopsis thaliana lipoxygenase 1 gene. *Biochimica et Biophysica Acta*, 1210: 377-380. JLN executed and analyzed experiments

INVITED TALKS

2015

International Conference on Arabidopsis Research, Paris, France International Symposium on Plant Photobiology, Austin, TX

2014

Institute of Biological Chemistry, Washington State University, Pullman, WA Plant Systems and Synthetic Biology Symposium, NCSU, Raleigh, NC (Oct) EMBO Conference, Interdisciplinary Plant Development, Cambridge, UK (Sept) Wageningen University and Research Centre, The Netherlands Donald Danforth Plant Science Center, St. Louis, MO (declined with scheduling conflict)

2013

International Symposium on Plant Photobiology, Edinburgh, Scotland

FASEB Mechanisms in Plant Development, Saxtons River, VT session chair

CSHL Plant Genomes, Cold Springs Harbor, NY

Paul G. Allen Family Foundation Symposium, Seattle, WA

Washington University, St. Louis, MO (declined with scheduling conflict)

2012

Auxin 2012, Hawaii session chair, selected to organize Auxin 2016
Cold Spring Harbor Arabidopsis Molecular Genetics Course, Cold Spring Harbor, NY Paul G. Allen Family Foundation Symposium, Seattle, WA
Plant Gene Expression Center, Albany, CA
UW Biochemistry, Seattle, WA UW Synthetic Biology Conference, Redmond, WA

2011

Paul G. Allen Family Foundation Symposium, Seattle, WA Cold Spring Harbor Arabidopsis Molecular Genetics Course, Cold Spring Harbor, NY UC Davis Genome Seminar Series, Davis, CA Women Center for Leadership, Portland, OR

2010

American Society of Developmental Biology, Albuquerque, New Mexico International Plant Growth Substance Association Meeting, Tarragona, Spain British Society of Developmental Biology, Coventry, England John Innes Centre, Norwich, England Pacific Lutheran University, Tacoma, Washington

2009

Canadian Society of Plant Physiologists, Vancouver, Canada Wellesley College, Wellesley, Massachusetts

2008

Gordon Research Conference, Plant Molecular Biology, Holderness, New Hampshire Northwest Developmental Biology Meeting, Friday Harbor, Washington

Keystone Symposium on Plant Hormones and Signaling; Keystone, Colorado session chair

University of Missouri; Columbia, Missouri graduate student invited speaker

2007

Retreat for Oregon State University Center for Genome Research and Biocomputing, Seaside, Oregon, keynote speaker

International Plant Growth Substance Association Meeting, Puerto Vallarta, Mexico

2006

Seattle Area Model Plant Laboratories Seminar Series, Seattle, Washington Developmental Biology Fall Retreat, Seattle, Washington

2005

Mechanisms of Cell Behavior, Tübingen, Germany

University of Washington, Department of Biology, Seattle, Washington

University of California, Davis, California

Cornell University, Ithaca, New York

University of Massachusetts, Boston, Massachusetts

Syracuse University, Syracuse, New York

Vanderbilt University, Nashville, Tennessee

2004

Swarthmore College, Swarthmore, Pennsylvania

Brown University, Providence, Rhode Island

New York University, New York, New York

Santa Cruz Conference on Developmental Biology, Santa Cruz, California

Auxin 2004, Crete, Greece (withdrew due to illness)

2003

International Conference on Arabidopsis Research, Madison, Wisconsin SEB Symposium: Crosstalk in Plant Signal Transduction, Southampton, United Kingdom

2000

Auxin 2000, Ajaccio, France

1999

Plant Hormones: Signaling and Gene Expression, Columbia, Missouri

PROFESSIONAL SERVICE OUTSIDE THE UNIVERSITY

Organizer, Auxin 2016 Meeting in China (2012-present) Monitoring Editor, *Plant Physiology* (2013-present) Session Chair, Auxin 2012 Meeting (2012) Organizer, Northwest Developmental Biology Meeting (2012-2013) Faculty Member, Faculty of 1000 (2011-present) Panel Service for National Science Foundation (2009, 2012) Panel Service for Department of Energy (2009) National Science Foundation *ad hoc* reviewer (2007, 2008, 2009, 2010) Reviewer for: *Science, Nature, PLoS Biology, PLoS Genetics, Proc Natl Acad Sci, Genes & Development, Development, Genetics, Plant Cell.* Session Chair, Northwest Developmental Biology Meeting (2009) Guest Editor, *Current Opinion in Plant Biology* (2009) Cell Signaling and Gene Regulation Issue Session Chair, Keystone Symposium on Plant Hormones and Signaling (2008)

UNIVERSITY SERVICE

Consultant, Molecular and Cellular Biology Graduate Program, Scientific Communication class modeled after BIOL 502 (2014) Host, Rebecca Cummins, Assoc. Prof. UW Art, RRF-funded residency in several laboratories Dean's Committee on UW Math Department Chair Search (2012-2013) Discussion Leader for Biomedical Research Integrity (BRI) Program (2012) Consultant, School of Aquatic and Fishery Sciences, Scientific Communication class modeled after BIOL 502 (2010) Consultant, Department of Human Centered Design & Engineering, Scientific Communication class modeled after BIOL 502 (2010) Invited Speaker at Panel on NSF Graduate Fellowships, College of Engineering (2010) Consultant, Program on Neurobiology and Behavior, Scientific Communication class modeled after BIOL 502 (2010) Consultant, Department of Genome Sciences, Scientific Communication class modeled after BIOL 502 (2010) Reviewer, Mary Gates Undergraduate Research Awards (2010) Reviewer, Royalty Research Fund applications (2008, 2009, 2010) Moderator for Undergraduate Research Symposium (2009) International Genetically Engineered Machine Team, guest lecture (2009)

Panelist for HHMI Future Faculty Fellows (2007, 2008, 2009, 2010)

DEPARTMENTAL SERVICE

UW Biology Committee on Graduate and Postdoctoral Trainees (2013, 2014-present)
Elected Member of UW Biology Merit Review Advisory Committee (2012-2013)
Cellular and Molecular Biology Training Grant Selection Committee, representative from Department of Biology (2008, 2010, 2013)
Organized SafeZone Workshop for Biology Faculty (2008, 2012)
Retreat and Faculty Annual Meeting Committee, Department of Biology (2009)
Seminar for Biology majors on finding research opportunities, Department of Biology (2009)
Faculty Appointments Committee, Department of Biology (2008, 2009)
Seminar Committee, Department of Biology (2007)
Brown Bag Lunch Lecture for Biology Majors (2007)
Hiring Committee for BIOL200 Coordinator, Department of Biology (2007)
Organized monthly networking meeting for new Biology-Oriented faculty (2006-7)

OUTREACH

Representative from UW Biology and MCB at the National SACNAS meeting (2012) Organized SafeZone training for UW Biology faculty (2008, 2012) Faculty Career Luncheon with GenOM Project/ALVA Summer Interns (2012) Guest speaker for Summer interns at Center for Sensorimotor Neural Engineering on tips for success in science and grant writing (2012) Co-founder of Seattle Area Model Plant Labs (http://protist.biology.washington.edu/sampl/) Organize and host quarterly seminar series (2006-present) Guest speaker, Women's Center for Leadership, Portland, OR (2011) Participant in National Laboratory Day (annually 2010-present) Lab tours for local 5th graders Expert reviewer for material on plant hormones used for teaching materials Teaching Tools in Plant Biology, a series published in *Plant Cell* (Spring 2010) Human Subjects approved study on how graduate students make career decisions (2008-present) Collaboration with Center for Workforce Development. Participant in Expanding Your Horizons Seattle (2009-present) Design and run hands-on science workshop for middle school girls **COURSES** Introductory Biology, Molecular and Cellular Biology (BIOL200) 2007, 2008, 2009, 2010, 2012, 2015 Spring Quarter, approximately 450 students Molecular Genetics of Plant Development (BIOL416) 2013 Winter Quarter, approximately 45 students Graduate Course in Scientific Communication (BIOL502) 2008, 2009, 2010, 2011, 2012, 2014, Fall Quarter, approximately 20 students Graduate Seminar in Plant Hormones and Growth Networks (BIOL541C) every quarter 2006-present, enrollment variable Advanced Cell Biology (BIOL401) 2007, 2008, Fall Quarter, approximately 50 students

Graduate Developmental Biology, guest lecture (CONJ 542) 2008, 2009, 2010, 2011 Winter Quarter, approximately 15 students Graduate Seminar in Developmental Biology (BIOL 540C/ MCB 513A) 2008, Winter Quarter, approximately 12 students Developmental Biology (BIOL411), guest lecture 2007, approximately 100 students BioCircuits (EE546), guest lecture 2007, approximately 20 students

CURRENT TRAINEES

Postdoctoral Fellows Britney Moss, PhD (Washington University), 2011-present Finalist for Life Science Research Fellowship NIH NRSA Fellow Clay Wright, PhD (Johns Hopkins), 2014-present NSF MathBio Fellow Graduate Students Jessica Guseman, 2010-present (graduation Summer 2014)

Jessica Guseman, 2010-present (graduation Summer 2014) Developmental Biology Training Grant, 2011-2014 Benjamin Hall Plant Biology Fellowship (2 qtrs of RA support) National Science Foundation GRF Honorable Mention Edith Pierre-Jerome, 2011-present National Science Foundation Predoctoral Fellow 2011-present Achievement Rewards for College Scientists Foundation Fellow Benjamin Hall Plant Biology Fellowship (2 qtrs of RA support) Marlies Kovenock, temporary advisor 2013-2014

Technician Amy Lanctot, 2013-present (Amy will start graduate school at UW, Fall 2014)

Undergraduate Interns Julia Weisbrod, Mary Gates Award Anisa Noorassa, Mary Gates Award (2X) Tamar Fedman, UCLA Amgen Scholar

FORMER TRAINEES

Postdoctoral Fellow Andrej Arsovski, PhD, 2010-2013 currently Post-Doctoral Fellow, Adams Laboratory, UBC Dept. of Botany Anahit Galstyan, PhD, 2011-2013 Kavitha Kuppusamy, PhD, 2006-2008 currently Senior Post-Doctoral Fellow, Ruohola-Baker Laboratory, UW Institute for Stem Cell and Regenerative Medicine

Graduate Students

Cristina Walcher, Biology, 2006-2011 Cellular and Molecular Biology Training Grant, 2006-2007 Developmental Biology Training Grant, 2007-2010 currently postdoctoral fellow with Toby Bradshaw, UW Biology Jodi Stewart Lilley, Biology, 2008-2013 NSF Predoctoral Fellow Achievement Rewards for College Scientists Foundation Fellow currently a Marshall Sherfield Postdoctoral Fellow at the John Innes Center, UK Technician Chris Gee, 2011-2013 (formerly an undergraduate intern) Andrew Chen, 2006-2010 (formerly an undergraduate intern) Karen Reagan, 2006 Brian Watson, 2006 Undergraduate Interns Autumn Walker Edith Lucena Riehl Endowed Scholarship University of Washington Class of 1954 Achievement Scholarship Washington State Opportunity Scholarship American Women in Science Scholarship (2X) Mary Gates Award currently enrolled in UW Medical School Chris Gee ASPB Summer Undergraduate Research Fellowship for Summer 2010 currently a graduate student, University of California, Plant and Microbial Biology Danny Liang currently enrolled in U. Wisconsin, Madison School of Pharmacology Vincent Wei Liu graduated from UW MedTech Program Yingying Li Morgan Matz Zachary McCauley HHMI Biology Fellows Program UW Masters in Teaching Program, graduated 2014 **Elizabeth Hulphers** UW Mary Gates Endowment for Students Research Scholarship, 2007 currently Research Study Coordinator, UW School of Medicine, Cardiology Andrew Chen, also served as Lab Manager graduated Seattle University Law School, 2013 Kris Lawrence currently working at Western Institutional Review Board (Human Subjects) **Rachel Denney** HHMI Biology Fellows Program currently enrolled in WSU Veterinary Program

Cameron Gomez HHMI Biology Fellows Program (after leaving my lab) Selma Alkafeef attending graduate school at UCR in Biology Jesse Sessions currently working in clinical laboratory at Multicare Health Systems applying for Masters in Education Programs Alec Nielsen attending UCSF graduate school in Bioengineering Edison Calaunan currently working in research laboratory at Children's Hospital Moham Ansari

Navia Nguyen

DISSERTATION COMMITTEES (*graduated)

Xu Tan*, BMSD, Advisor Ning Zheng, 2006-2007 Steve Reynolds* (GSR), Biochemistry, Advisor Hannele Ruohola-Baker, 2006-2010 Beth Rowan*, Biology, Advisor Arnie Bendich, 2006-2008 Fleur Beckwith*, Biology, Advisor Rusty Rodriguez, 2007-2010 Margaret Mills*, MCB, Advisor Katie Piechel, 2007-2011 Patty Montaño*, Biology, Advisor Liz Van Volkenburgh, 2008-2010 Jennifer Lachowiec, MCB, Advisor Christine Queitsch, 2010-2014 Michelle Oeser* (GSR), Advisor Richard Gardner, 2010-2013 Sheila Teves* (GSR), Advisor Steve Henikoff, 2010-2013 Heather Hunsperger, Advisor: Rose Ann Cattolico, 2010-2013 Hannah Kinmonth-Schultz, Advisor: Takato Imaizumi, 2010-present Zhihao Tan*, Advisor: Aimee Dudley, 2011-2013 Octavio Campos, Advisor: Tom Daniel, 2011-2012 Carrie Glenney, Advisor: Ben Kerr, 2011-present Kevin Oishi*, Advisor: Eric Klavins, 2012-present Shelly Jang (GSR), Advisor: Eric Klavins, 2012-2013 Rob Egbert*, Advisor: Eric Klavins, 2012 Greg Golembeski, Advisor: Takato Imaizumi, 2012-present Sonia Singhal, Advisor: Ben Kerr, 2012-present

TRAINEE PRESENTATIONS

Graduate students; postdocs; undergraduates indicated

Talks

2014

Pierre-Jerome E. International Conference on Arabidopsis Research, Vancouver, Canada Moss B. Society for Developmental Biology Annual Meeting, Seattle, WA Moss B. American Society of Plant Biology, Portland, OR
Pierre-Jerome E. Keystone: Plant Signaling- Dynamic Properties, Breckenridge, CO Guseman J. Society of Developmental Biology, Seattle, WA
Guseman J. Northwest Regional Developmental Biology, Friday Harbor Laboratories *Best Presentation Award

- Guseman J. Northwest Regional Developmental Biology Spring Retreat 2013
- Moss B. UW Biology Department Retreat, Friday Harbor, WA
- Guseman J. Developmental Biology Training Grant Spring Retreat

Guseman J. Seattle Ubiquitin Research Group, Seattle, WA

2012

Moss B. UW Biology Department Retreat, Friday Harbor, WA

Arsovski A. Keystone: Nuclear Events in Plant Gene Expression and Signaling, Taos, NM

Moss B. Seattle Ubiquitin Research Group, Seattle, WA

Guseman J. Biology Department Graduate Student Symposium, U. Washington

Guseman J. Developmental Biology Training Grant Spring Retreat

Guseman J. Northwest Developmental Biology Meeting, Friday Harbor, WA *Best Presentation Award

Guseman J. Biology Department Graduate Student Symposium, U. Washington 2011

Guseman J. Biology Department Graduate Student Symposium, U. Washington

Lilley J. International Conference on Arabidopsis Research, Madison, WI

Guseman J. Developmental Biology Training Grant Spring Retreat

Gee C. American Society of Plant Biology, Minneapolis, MN (SURF awardee) 2010

Stewart J. Biology Graduate Student Symposium, U. Washington,

2009

Walcher C. Developmental Biology Training Grant Spring Retreat, U. Washington

Walcher C. American Society of Plant Biology Western Regional Meeting, Pullman *Best Graduate Student Presentation Award

Walcher C. Biology Graduate Student Symposium, U. Washington

Stewart J. Biology Graduate Student Symposium, U. Washington

*Best Presentation Award

2008

Walcher C. Biology Graduate Student Symposium, U. Washington

Stewart J. Biology Graduate Student Symposium, U. Washington

Kuppusamy K. International Conference of Arabidopsis Research, Montreal

Denney R. Undergraduate Student Biology Conference, Oregon State University

Posters

2014

Guseman J. American Society of Plant Biology, Portland, OR

Pierre-Jerome E, Society for Developmental Biology, Seattle, WA

Pierre-Jerome E, American Society of Plant Biology, Portland, OR

Noorassa A. Undergraduate Research Symposium, U. Washington

Weisbrod J. Undergraduate Research Symposium, U. Washington

2013

Guseman J. FASEB Mechanisms in Plant Development, Saxtons River, VT

Pierre-Jerome E, CSHL Mechanisms of Eukaryotic Transcription, Cold Spring Harbor, NY

Noorassa A. Undergraduate Research Symposium, U. Washington

Weisbrod J. Undergraduate Research Symposium, U. Washington

Pierre-Jerome E, Mathematical Modeling for the Cell Biology Researcher, Knoxville, TN Galstyan A. Deutsche Botanikertagung, Tubingen, Germany

Moss B. The Ubiquitin Family Meeting; Cold Spring Harbor, NY

Li, Y. Undergraduate Research Symposium, U. Washington

Walker A. Undergraduate Research Symposium, U. Washington

2012

Pierre-Jerome E. International Conference on Arabidopsis Research, Vienna, Austria Walker A. Undergraduate Research Symposium, U. Washington

Liang, D. Undergraduate Research Symposium, U. Washington

Liu, V. Undergraduate Research Symposium, U. Washington,

Guseman J. Cold Spring Harbor Symposium: The Biology of Plants, CSHL, NY

Pierre-Jerome E, Guseman J, Moss B, Synthetic Biology Workshop, Redmond, WA 2011

Stewart, J. Interdisciplinary Plant Group – 'Plants of the Future', Columbia, MO 2010

Stewart J. International Conference on Plant Growth Substances, Tarragona, Spain Gee C. Undergraduate Research Symposium, U. Washington

Stewart J. Seattle ARCS Student Showcase, U. Washington

House B. Molecular Programming Project Retreat, Los Angeles

*collaborative project with Klavins Laboratory

2009

Walcher C. Northwest Developmental Biology Conference, Friday Harbor Labs 2008

Walcher C. International Conference of Arabidopsis Research, Montreal

Walcher C. Northwest Developmental Biology Conference, Friday Harbor Labs

Denney R. Northwest Developmental Biology Conference, Friday Harbor Labs 2007

Denney R. HHMI Undergraduate Research Symposium, U. Washington, 2007 Lawrence K and Denney R. Undergraduate Research Symposium, U. Washington