

# College of Agricultural Sciences

## New Faculty Introductions 2016

# Jennifer Alexander

Extension & Experiment Station Communications (EESC)



## **Brief Background**

- B.S., Horticulture, Journalism; M.S., Ag Education, Iowa State Univ.
- Pioneer Hi-Bred (research communications)
- K-State Research & Extension (Ag Experiment Station editor)
- Oregon State Univ., EESC (publishing manager, director)

## **Areas of Specialization (Expertise)**

Editing, publishing, leadership

## **Collaborative Interests**

- EESC collaborates with Extension and AES faculty and staff on projects that range from multimedia educational publishing to technology adoption, news and media relations, impact reporting, marketing, and accountability efforts.
- EESC provides communications advice, consultation, and training

## **Position Responsibilities**

- Provide managerial and strategic leadership for EESC
- Supervise 13 professional faculty
- Ensure unit work is prioritized/aligned
- Serve on legislative communication team
- Liaise with Division and College leadership teams
- Professional dev/service

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# Ivan Arismendi – Fisheries and Wildlife



## **Brief Background**

BS Fisheries Engineering – Austral University, Chile

Doctor in Forest Sciences – Austral University, Chile

Post-Doc (2010-2012) – CEOAS & Research Faculty (2012-2016) at F&W

Tenure-track faculty in F&W starting in Sept 2016

## **Areas of Specialization (Expertise)**

-Climate change and freshwaters; Biological invasions; Multivariate Statistics and Time Series Analyses

## **Collaborative Interests**

-Have collaborated with more than 120 scientists from 12 countries

-Established collaborations USGS, USFS, ODF, ODEQ

-Stream Team at the HJ Andrews Experimental Forest (LTER-NFS) - 30 years of vertebrate data

-Inter-hemispheric comparisons between Mediterranean regions (i.e., PNW and Chile)

## **Position Responsibilities**

-Limnology (Freshwater Ecology) 4XX/5XX + Methods (to be defined)

-Applied Ecology of Streams and Lakes

-Diversity and Inclusion in Fisheries



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# Jonathan B Armstrong– Fisheries and Wildlife



## **Brief Background**

- Undergrad – Lewis and Clark College, OR
- Ph.D. – University of Washington, WA
- Post-doc – Smith Fellow, University of Wyoming, WY
- Tenure-track Faculty in Fish and Wildlife as of January 2016

## **Areas of Specialization (Expertise)**

- Animal Behavior
- Energetics
- Pacific salmon and trout
- Integrative ecology

## **Collaborative Interests**

### *Current:*

- ODFW and Wild Salmon Center on how Klamath Basin rainbow trout move across watersheds to cope with heat stress
- WDFW and NOAA on climate change adaptation techniques for ESA-listed salmon in ephemeral streams
- USFWS Kodiak NWR on how grizzly bears benefit from watershed-level phenological variation in salmon.

## **Position Responsibilities**

- I will teach 3 courses per year
- I mentor graduate students and undergraduates
- My scholarship includes writing papers, writing grants, and academic service
- I serve on departmental/college,/ university committees

# Serkan Ates – Animal and Rangeland Sciences



## **Brief Background**

- Undergrad – Selcuk University, Turkey
- Ph.D. – Lincoln University, Canterbury, New Zealand
- Pasture Scientist at Int’l Agric. Res. Inst. 2009-2011
- Forage and Pasture Scientist at ICARDA 2011-2016
- Tenure-track Faculty at Animal and Rangeland Sciences Sept 2016-

## **Areas of Specialization (Expertise)**

- Pasture ecology and management
- Pasture based ruminant production systems

## **Collaborative Interests**

- Development of pasture plants and grazing systems
- Animal production and product quality
- Optimization of resource use and environmental health
- Food security and development and management of dual-purpose (grazing and grain) crops
- Cooperation with the Forage-Livestock industry in Oregon and Int’l Res. Organizations

## **Position Responsibilities**

Teaching and Research position:

- Develop environmentally and economically sustainable grazing systems
- Develop and teach grazing management and systems courses
- Mentoring graduate students and undergraduates.

## Samuel D. Bell – Applied Economics



### **Brief Background**

- Undergrad – Australian National University, Australia
- Ph.D. – Cornell University, NY
- Co-founder, renewable energy social enterprise in Lusaka, Zambia
- Founding partner, SVA, consulting services, focus on developing countries

### **Areas of Specialization (Expertise)**

- Environmental economics
- Renewable energy and sustainable agriculture
- Development economics
- Extensive experience in sub-Saharan Africa (10 years+)

### **Collaborative Interests**

- Energy, agriculture, environment and development nexus
- Field experiments in development context
- Mechanism design/auctions for non-market goods & services

### **Position Responsibilities**

- Teaching in environmental or development specialization
- Scholarship and publication in applied economics, economics, management, food science and multidisciplinary outlets
- Collaboration with OSU faculty and outside partners

# Posy Busby, Botany & Plant Pathology



## **Brief Background**

BA History and Science, Harvard University

MS Forest Ecology, Harvard University

PhD Biology, Stanford University

## **Areas of Specialization (Expertise)**

Ecology and Evolution of Plants and Fungi

Role of fungal endophytes in plant defense

*Populus trichocarpa*

## **Collaborative Interests**

Managing plant microbiomes in sustainable agriculture

Genetics of plant-microbe interactions

MacroMycoFunc: Forming an integrated understanding of function across fungi

HJ Andrews

## **Position Responsibilities**

BI301 Human Impacts on Ecosystems

BI371 Ecology Methods

Mentor undergraduates, graduate students and postdocs; conduct scholarly research; departmental service

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# Jenifer Cruickshank – Animal & Rangeland Sciences, Extension Service Marion County (& Willamette Valley)



photo: Lynn Ketchum

## **Brief Background**

BS, MS – Genetics, Animal Science; University of California, Davis  
PhD – Dairy Science; University of Wisconsin-Madison  
Post-doc – genetics, reproduction; Cornell University  
Faculty – Biological Sciences; State University of New York at Oswego

## **Areas of Specialization (Expertise)**

Genetics & Genomics  
Reproduction  
Regulatory Compliance

## **Collaborative Interests**

- Creating a handbook for very small scale dairy producers (“backyard cows”)
- Grazing and productivity study using crossbred cows with different genetic backgrounds
- Identifying benefits and limitations of robotics in milking and other dairy tasks

## **Position Responsibilities**

- Developing and delivering Extension programming to dairy producers via blogs, workshops, publications, etc.
- Networking with dairy producers, dairy-associated professionals, and related organizations to provide research-based information to stakeholders and the public



# Chris Curtin – Food Science and Technology



## Brief Background

- Undergrad & PhD – Flinders University of South Australia
- Research positions 2004-2011 – Australian Wine Research Institute
- Biosciences group leader 2012-2016 – AWRI
- Asst. Prof. in Brewing Microbiology starting August 2016

## Areas of Specialization (Expertise)

- Yeast biology
- Fermented beverage microbiology

## Collaborative Interests

- Global genomics of *Brettanomyces* yeasts (AWRI, UC Davis, Universite de Bordeaux 2)
- *Brettanomyces* population ecology in New Zealand (University of Auckland)
- Wine yeast evolution and development of new industrial strains (AWRI)
- Interested in working on the interactions between microbes and hops, sulfur homeostasis, yeast evolution and ecology...pretty much anything to do with yeast!

## Position Responsibilities

- I conduct research in brewing microbiology and related fields, preparing grants, manuscripts & presenting at conferences and to industry
- I will teach two courses per year in fermentation microbiology/brewing microbiology & mentor undergraduate and graduate students
- I serve on the editorial board of a food science related journal & will contribute to OSU through service on committees

# Signe Danler - Horticulture/Extension



## **Brief Background**

M. Ag. Horticulture– OSU (Horticulture, Ecosystem Science and Urban Forestry concentrations)

OSU Extension Master Gardener since 1995

## **Areas of Specialization (Expertise)**

Ecological/sustainable landscape design

Ornamental horticulture

## **Interests**

- Urban horticulture
- Native plants in landscapes
- Ecological landscaping

## **Position Responsibilities**

- Revising, updating and teaching the online Extension Master Gardener training offered through PACE.

# Jonathan Dinkins - Animal and Rangeland Sciences



## **Brief Background**

- Undergrad – University of Puget Sound, WA
- Ph.D. – Utah State University, UT
- Post-doc – University of Wyoming, WY
- Tenure-track – faculty in Animal and Rangeland Sciences starting in 2016

## **Areas of Specialization (Expertise)**

Animal behavior  
Human-wildlife interactions  
Population dynamics  
Predator-prey dynamics  
Wildlife habitat

## **Collaborative Interests**

### *Current:*

- Collaborations with sage-grouse managers and researchers throughout western U.S., Alberta, and Saskatchewan, including state/provincial agencies, Univ. of Wyoming, USGS, and USFS

### *Future/planned:*

- I plan to extend my collaborations to sage-grouse issues specific to the western portion of the sage-grouse distribution including the Great Basin
- Continue research focused on large scale population persistence and habitat quality

## **Position Responsibilities**

- Research and Extension/outreach in sagebrush ecosystem related to sage-grouse habitat
- I will teach ~1 course per year (on average)
- I will mentor graduate and undergraduate students
- I will serve on departmental, college, and university committees

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# Javier Fernandez-Salvador – Marion County Extension



## **Brief Background**

- BS – Agribusiness Management. University San Francisco – Quito (USFQ)
- BS – Agricultural Engineering. University San Francisco – Quito (USFQ)
- Post Bacalaureate BS in Horticulture - Oregon State University
- MS Horticulture - Oregon State University
- PhD Horticulture (in process) - Oregon State University
- Extension Faculty - Professor of practice. Marion County, Small Farms

## **Areas of Specialization (Expertise)**

- Organic Agriculture
- Berry and small fruit production
- Plant and soil fertility
- Farm food safety and organic regulations

## **Collaborative Interests**

### *Current:*

- Hispanic Farmer Outreach and training
- Research in organic blueberry production

### *Future/planned:*

- Fertigation with organic fertilizers and drip irrigation maintenance
- Berry fertility and organic matter additions
- Development of Spanish language publications
- Needs assessment of small farms in Marion county

## **Position Responsibilities**

- I teach various courses for small farmers in Spanish and English.
- I mentor undergraduates and advise the organic blackberry project with OSU organic growers club.
- My scholarship includes writing extension publications, obtaining funding for applied research projects in organic agriculture.
- I serve on OMRI crops review panel, and university committees

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# Christina H. Hagerty, Botany and Plant Pathology, CBARC



## **Brief Background**

Undergrad – Santa Clara University, CA (2010)

MS – Oregon State University, OR (2013)

PhD – Oregon State University, OR (2016)

Assistant Prof. (tenure-track), Botany and Plant Pathology (Fall 2016)

## **Areas of Specialization (Expertise)**

Plant Breeding/Genetics

Plant Pathology

## **Collaborative Interests**

### *Current:*

- OSU Wheat Breeding and Genetics Program
- CBARC/USDA-ARS dryland crops team: agronomy, weed science, soil science, microbiology, and chemistry
- Oregon Wheat Commission
- Agricultural industry (cultivar & product testing)

### *Future/planned:*

- I am seeking collaborations with other programs to who have expertise in: plant physiology, water use efficiency, and remote sensing

## **Position Responsibilities**

I am based in beautiful Pendleton, OR (COME VISIT!) at the Central Basin Agricultural Research Center (CBARC).

My work serves the stakeholders of Oregon dryland cereal production.

75% Research

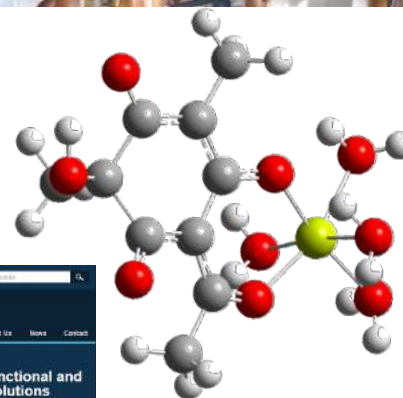
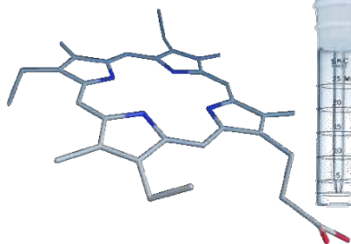
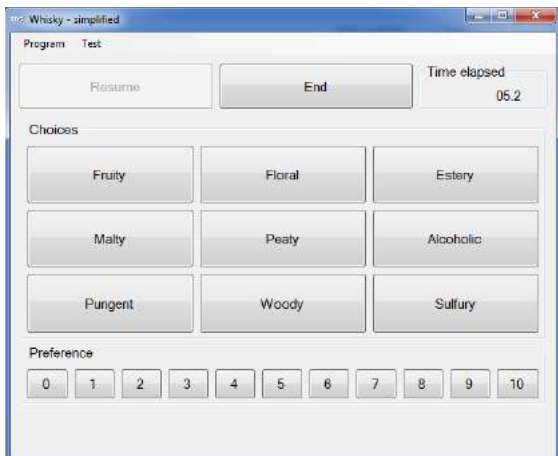
15% Extension

5% Service

5% Supervisory

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# Paul S. Hughes, BSc, PhD, MBA, Dipl Brew



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

(10) International Publication Number WO 2005/030919 A1



“It’s no longer a 9 – 5 job for life, but rather 5 – 9 jobs in a lifetime”  
 London Underground, *ca* 1985

# Patricia (Pat) Kennedy, Director, Eastern Oregon Ag & NR Program at EOU



## **Brief Background**

- Grew up in the south side of Chicago
- PhD Biology/Ecology, Utah State University
- Faculty, Colorado State University, 1991-2001
- Faculty with EOANRP at OSU since 2002
- Became an OSU Administrator - July 2016

## **Areas of Specialization (Expertise)**

- Range-wildlife interactions
- Avian Ecology

## **Collaborative Interests**

- Novel ecosystems as suitable wildlife habitat
- Use of historic datasets to determine community turnover
- Enhancing wildlife habitat on working landscapes
- Inter-disciplinary curriculum

## **Position Responsibilities**

- I direct OSU's campus at Eastern Oregon University
- 4 faculty and 2 Instructors offer 4 majors: Rangeland Sciences, Natural Resources, Crop & Soil Science and Agricultural Science
- I am the Head Advisor for the NR major
- I teach 1 class per year
- I supervise grad students + post-do
- Write papers and grants



# Jovana Kovacevic – Food Science and Technology, FIC



## Brief Background

- Undergrad and M.Sc. – University of Alberta, Alberta, Canada
- Ph.D. – University of British Columbia, BC, Canada
- Research – BC Centre for Disease Control, BC Ministry of Health, UBC
- Teaching – Food Microbiology, University of British Columbia (2015/2016)
- Tenure-track Faculty in Food Science and Technology – Food Safety Specialist at the Food Innovation Center starting in 2016

## Areas of Specialization (Expertise)

- Food Safety
- Food Microbiology
- Survival and stress response of foodborne pathogens (e.g. *Listeria* spp.)
- Antimicrobial resistance in the food chain

## Collaborative Interests

### *Current:*

- BCCDC, genetic properties of *Listeria* spp. from a dairy plant recovered over a 10-year period.
- UBC, biofilm properties of *Listeria* spp. from dairy, meat and fish plants.

### *Future/planned:*

- I hope to expand my collaborations with other food science and microbiology researchers in US and internationally.
- Collaborations with food processors to improve food safety and food safety training.

## Position Responsibilities

### Extension/Outreach (55%)

- Working closely with food industry to improve food safety and FSMA training.

### Research (35%) and Service (10%)

- Food safety projects, writing papers, preparing grants, reviewing papers/grants, serving on food safety committees.
- I hope to have graduate students in the near future and serve on departmental/ college/university committees.

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# Jung Y. Kwon – Food Science & Technology/COMES



## **Brief Background**

- Undergrad – Seoul Nat'l Univ., South Korea
- Ph.D. – Purdue Univ., IN
- Post-doc – UC Berkeley, CA
- Post-doc – UMass Medical School, MA
- Tenure-track Faculty in Food Sci & Technology and COMES starting in 2016

## **Areas of Specialization (Expertise)**

- Functional Food
- Cell biology, molecular biology
- Lipid metabolism and endocrinology

## **Collaborative Interests**

### *Future/planned:*

- Working with biomedical research group with in vivo testing specialty to conduct integrated research on dietary components in vivo/in vitro
- Working with analytical chemistry specialist for screening & characterization of novel bioactive compounds from marine resources
- Connecting research to application & innovation project through industry collaboration

## **Position Responsibilities**

- Conducting research, writing papers, writing grant proposals
- Reviewing papers/grants, serving on committees and review/editorial boards
- Mentoring graduate students
- Outreach and extension to seafood industry & community
- Teaching a seminar course every-other-year

# Adam Lindsley – Crop and Soil Science



## **Brief Background**

- Undergrad – University of Oregon
- M.S. – Oregon State
- Pool Instructor at OSU 2014-2016
- Not-in-the-pool Instructor at OSU starting F2016

## **Areas of Specialization (Expertise)**

- Pedology
- GIS
- Photogrammetry
- Course development/design

## **Collaborative Interests**

- Teaching innovation - how do we bring traditionally outdoor/field based courses online? How can the technologies that enable this be used in the classroom?
- Science communication – building robust, accessible online tools for use by the public or industry (e.g. PNW Biochar Atlas project)

## **Position Responsibilities**

- Teach or develop 2 courses per term
- Maintain and enhance educational websites, create new content
- Serve on departmental committees

# Melanie A. Link-Pérez – Botany & Plant Pathology



Photo: Lynn Ketchum

## Brief Background

- Undergrad – Smith College, MA
- M.S. – Miami University, OH
- Ph.D. – Miami University, OH
- Previous Faculty positions – SUNY Oneonta (2009-10); University of Oklahoma (2010-11); Armstrong State University, GA (2011-16)

## Areas of Specialization (Expertise)

- Plant systematics & taxonomy
- Speciation & diversification
- Science education/curriculum revision

## Collaborative Interests

### *Current:*

- Lab curriculum revision to engage students in application & process of science (NSF-funded)
- Reticulate evolution in fern *Adiantopsis*

### *Future/planned:*

- Structural/biochemical/eco-physiological/systematics study of regional taxon (TBD)

## Position Responsibilities

- Instructor: teach three courses/year
- Curator of the Herbarium
- Lead Adviser: Botany majors/minors
- Outreach/Extension: plant identification, guest lectures, tours

# Joyce Loper – Associate Dean, College of Agricultural Sciences



## **Brief Background**

- B.S. and M.S. – University of California at Davis
- Ph.D. – Plant Pathology, University of California at Berkeley
- Research Scientist - USDA-ARS, 1985-2016
- Courtesy faculty - Department of Botany and Plant Pathology, OSU, 1988-2016

## **Areas of Specialization (Expertise)**

- Plant Pathology
- Genomics and microbial ecology

## **Collaborative Interests**

- Biological control of plant disease
- Bacterial plant diseases
- Genomics of plant-associated bacteria
- Genomics-guided natural product discovery

## **Position Responsibilities**

- Serve as CAS liaison with 7 departments and 5 branch experiment stations
- Member of CAS leadership team
- Represent CAS with agricultural commodities, policy makers, and University

# Scott B. Lukas – Dept. of Horticulture

Hermiston Agricultural Research and Extension Center



## **Background**

B.S - University of Nevada Reno - Biology

M.S - University of Hawaii at Manoa

Ph.D - University of Hawaii at Manoa

## **Areas of Specialization**

Crop production optimization

Plant establishment protocol development

Weed Science

## **Collaborative Interests**

- Identifying new high value irrigated crops with local producers to expand market potential
- Work with Oregon Dept. of Transportation and local stakeholders to increase roadside and localized farm pollinator habitat
- Partnering with growers to increase sustainability of production practices

## **Position Responsibilities**

70% Research

Build a recognized horticultural crop production program

25% Extension

Solution based research for regional producers

5% Service

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# Rebecca A. Lybrand - Crop and Soil Science



## **Brief Background**

**Postdoc** – School of Natural Resources & the Env., The University of Arizona

**Ph.D.** – Soil, Water and Environmental Science, The University of Arizona

**M.S.** – Soil and Water Science, UC Riverside

**B.A.** – Biology, Whittier College

## **Areas of Specialization (Expertise)**

- Soil Science (Pedology)
- Geochemistry
- Soil mineralogy

## **Collaborative Interests**

### ***Ongoing:***

- Cross-Critical Zone research on fungal-driven mineral weathering and soil carbon storage
- Salt distribution in Earth's deserts (Mars analogs)
- Soil-landscape processes along gradients of disturbance, moisture, and topography in Oregon

### ***Future/Planned:***

- Geochemical and mineralogical controls on permafrost stabilization in Alaska

## **Position Responsibilities**

- Landscape Pedology Laboratory
- Advise undergraduate and graduate students
- Publish papers and secure research grants
- Service: Review papers, serve on committees, upcoming Chair of SSSA Soil Mineralogy Division
- Teach 2 courses per year (Soil Landscape Analysis; Soil Morph. & Classif.)
- Science education & outreach

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# Rory Mc Donnell – Crop and Soil Science (CSS)



## Brief Background

- Undergrad – National University of Ireland, Galway
- Ph.D. – National University of Ireland, Galway
- Post-doc – University of California, Riverside (UCR)
- Research (soft money) faculty at UCR from 2011-2016
- Assistant Professor in Crop and Soil Science, started July 2016



## Areas of Specialization (Expertise)

- Invasion ecology
- Biology of invertebrates particularly slugs and snails
- Pest management including biological control, and the development of biorational pesticides and novel attractants

## Collaborative Interests

1. *Use of parasitic nematodes as biological control agents for pest slugs and snails*
2. *Develop mathematical models to predict pest activity and damage in crops*
3. *Use of trap plants to draw pests away from the cash crop*
4. *Tracking the invasion pathway of exotic species using molecular biology*

## Position Responsibilities

I mentor undergraduate and graduate students  
My research involves understanding why slugs/snails become pests and developing novel control tools  
I work directly with growers in to help them reduce slug and snail damage  
Other scholarship activities include publishing papers, writing grants, presenting results at conferences/seminars.  
I serve on university committees

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# Katherine R. McLaughlin - Statistics



## **Brief Background**

- Undergrad – Statistics & Classical Civilization, University of California, Berkeley
- Ph.D. – Statistics, University of California, Los Angeles
- Tenure-track Faculty in Statistics starting in Fall 2016

## **Areas of Specialization (Expertise)**

- Survey sampling methodology
- Social network analysis

## **Collaborative Interests**

Current:

- Hard-to-reach Population Methods Research Group (HPMRG), working alongside members of CDC and WHO to develop and analyze surveys of populations at high-risk for HIV/AIDS

Future/planned:

- I plan to expand my collaborations to encompass other types of networked or hard-to-sample populations

## **Position Responsibilities**

- I teach ~3 courses per year
- I will run the consulting practicum for the statistics department after several years
- My responsibilities include writing papers, writing grants, and work within my broader academic community
- I hope to help form

collaborations for students across campus

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# Andony Melathopoulos – Horticulture



## **Brief Background**

- Undergrad / M.Sc. – Simon Fraser University, BC, Canada
- Technician, Agriculture and Agri-Food Canada, AB, Canada
- Ph.D. – Dalhousie University, NS, Canada
- Post-doc – University of Calgary, AB, Canada
- Tenure-track Faculty in Horticulture starting in fall 2016

## **Areas of Specialization (Expertise)**

- Pollinator ecology and conservation biology.
- Pollinator ecotoxicology.
- Ecological and environmental economics, environmental sociology.

## **Collaborative Interests**

### *Current:*

- Developing best management practices and pesticide safety and education plans for Oregon.

### *Future/planned:*

- Ecotoxicology of pollinators in agricultural, urban and peri-urban areas.
- Practices for mitigating pesticide exposure in managed and wild pollinator stocks.
- Economics of pollinator systems.

## **Position Responsibilities**

- Extension and outreach aimed at educating stakeholders on best practices to avoid adverse effects from pesticides on managed and wild pollinator stocks in Oregon.
- My scholarship includes developing best management practices for pollinator protection and writing research grants and papers.
- I mentor graduate and undergraduate students.

# Betsey Miller – Horticulture/Entomology (Walton Lab)



## **Brief Background**

- Undergrad – Colorado State University, CO
- M.S. – Oregon State University
- Faculty Research Assistant at OSU 2011 - 2015
- Instructor in Horticulture starting 2015

## **Areas of Specialization (Expertise)**

- Integrated Pest Management (IPM) in Small Fruits and Nuts
- Biological Control

## **Collaborative Interests**

*Ongoing since 2011:*

We (Walton Lab) coordinate with researchers at UC Berkeley, South Korea, and Italy on an international project to improve biological control of an invasive fruit fly.

## **Position Responsibilities**

- I teach 1 high enrollment course (100+ students) during all four terms.
- I also have a summer research appointment
- I do not have a scholarship requirement
- I serve on departmental/college/university committees

# Ruijun Qin – Crop and Soil Science/HAREC



## **Brief Background**

- M.S. – Chinese Academy of Agricultural Sciences, Beijing, China
- PhD – ETHZ, Zurich, Switzerland
- Postdoc scholar and Project Scientist at UC Davis 2006-2016
- Tenure-track Faculty in Crop & Soil Science/HAREC starting in 2016

## **Areas of Specialization (Expertise)**

- Nutrient and water management
- Soil fertility and soil reclamation
- Cropping system and conservation tillage
- Soil fumigation and pest control

## **Collaborative Interests**

### *Current:*

- UC Davis, UC ANR, USDA-ARS, and industries on soil fumigation and nutrient/water management for high-value crop productions.

### *Future/planned:*

- Oregon, Washington, Idaho, California, and/or other nations for crop productions and environmental quality of Columbia Basin

## **Position Responsibilities**

- 60% Extension, 20% Research, 15% Scholarly Outcomes, and 5% Service
- Extension and applied research program in field crop agronomy with expertise in soil, nutrient, and irrigation water management
- Teaching, research, application through regional, statewide, national publication and presentation.
- Serve on HAREC/OSU extension service/departmental/college/university/ professional organizations

# Richard J. Roseberg

Crop & Soil Science / Southern Oregon Research & Extension Center



## **Brief Background**

- BS- Oregon St. Univ., Soil Science (1980)
- MS- Oregon St. Univ., Soil Science (1985). Soil fertility.
- PhD- Ohio St. Univ., Agronomy (1990). Applied soil physics.
- Research Agronomist @ OSU-SOREC, 1990 – 2003 and at OSU-KBREC, 2004-2016

## **Areas of Specialization (Expertise)**

- Soil Science
- Water use and management
- New and alternative crops

## **Collaborative Interests**

Ongoing projects working with scientists at Ohio St. Univ., Univ. of Nebraska, North Dakota St. Univ., and several tire companies to domesticate *Taraxacum kok-saghyz* (Russian dandelion), a potential domestic source of natural rubber.

## **Position Responsibilities**

- Director of Southern Oregon Research & Extension Center and Extension County Leader (Jackson Co.) starting in 2016.
- Ongoing field research on drought-tolerant alternative crops and soil science support for viticulture and tree fruit research at SOREC.
- Editorial Board of *Industrial Crops & Products*.
- Co-developer of grad level online class on “Basic Soils for Non-scientists” (in progress).

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# Nicole Sanchez – Horticulture, KBREC



## Brief Background

B.S.- Horticulture & Business, Univ. of Tennessee

M.S.- Entomology & Botany, Univ. of Tennessee

Retail Horticulture- 10 years, Botanical Garden Administration, 11 years, Extension- 5 years, Teaching @ Community College- ~10 years

## Areas of Specialization (Expertise)

Integrated pest management, insect and plant/ disease ID, commercial production, season extension , floral design

## Collaborative Interests

Season Extension

Community Garden sustainability

SolvePestProblems.org website

Insect and Gardening Camps for youth

Horticulture/ small farm working groups

## Position Responsibilities

Master Gardener program, Klamath County, to expand into Lake and Harney Counties

Small scale produce farm support

75% teaching/ research/ advising

Home horticulture and Community Garden technical support

# Chris Schachtschneider – Animal and Rangeland/Extension



## **Brief Background**

- Undergraduate: WSU, Pullman WA
- Graduate: University of Idaho, Moscow ID
- Research: Livestock grazing to control wildfire
- Livestock and Natural Resource Extension Faculty since June 2016

## **Areas of Specialization (Expertise)**

- Low stress livestock handling
- Use of livestock for ecological benefits
- Range ecology

## **Collaborative Interests**

- Developing state livestock handling Beef Quality Assurance program with other extension faculty
- FS, Rancher, and ORV park research on livestock grazing to repair riparian habitat
- Treasure Valley Community College (Ontario) with livestock handling research

## **Position Responsibilities**

- Extension educator for Umatilla and Morrow Counties

# Dave Stone, Ph.D. Food Innovation Center



In 2016, I became the Director of the FIC, a branch experiment station in Portland. We work with food industries across the NW and World on new product development, sensory testing and food safety.

Areas of Specialization (Expertise): toxicology, risk communication, risk assessment, health/safety

## Collaborative Interests

**Food safety training**

**Biotoxins in food**

**Communication strategies**

**Public Health**

**Engagement with underserved audiences and students**

## Position Responsibilities

Director

Building Superintendent

Extension specialist

Assistant soccer coach to U8 girls team

(Go Portland Tsunamis!).



## Nadia A. Streletskaya – Applied Economics



### Brief Background

- Undergrad – Moscow State Institute of International Relations (University) MGIMO (U), Russia
- Ph.D. – Cornell Univ., NY

### Areas of Specialization (Expertise)

- Consumer Behavior
- Social preferences and behaviors in economics
- Experimental Economics
- Wine and food marketing

### Collaborative Interests

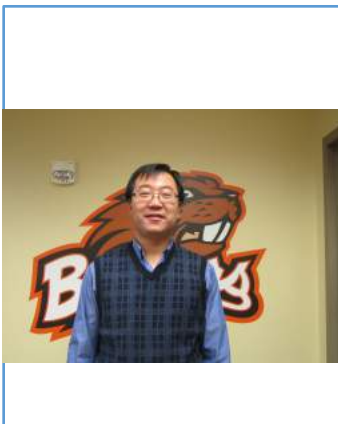
- Innovative methods of data collection in experimental and field settings
- Consumer preferences over credence attributes

### Position Responsibilities

- 3 quarter courses a year teaching
- Scholarship and publication in applied economics, economics, management, food science and multidisciplinary outlets
- Wider academic work: reviewing articles in 4 journals currently, organized seminar participation, presentations, etc.



# Guojie Wang – Crop and Soil Science/OSU Ag @ EOU/EOARC



## **Brief Background**

- B.S. Ecology, Inner Mongolia University, China
- M.S. Grassland Ecology, Chinese Academy of Sciences, China
- Ph.D. Natural Resources Management, North Dakota State University, USA

## **Areas of Specialization (Expertise)**

- Forage Agronomy
- Cellulosic Bioenergy
- Soil and Water Conservation

## **Collaborative Interests**

- Diverse forage species/varieties evaluation
- Crop drought stress physiology
- Irrigation efficiency
- Soil health
- Cellulosic bioenergy
- Livestock production and nutrition
- Rangeland renovation and invasive species

## **Position Responsibilities**

### **60% Teaching**

- CROP 310 Forage Production, every spring
- CSS 305/306 Principles of Soil Science, every fall
- CSS 315 Nutrient Management & Cycling, every winter
- CROP 480 Cropping Systems, odd years winter
- SOIL 395 World Soil Resources, even years winter

### **25% Research**

- Forage production system under limited water resources for irrigation

**Oregon State**  
UNIVERSITY