



## Vine to Wine

Oregon Wine Research Institute

February 2017

Welcome to the *Vine to Wine*. This monthly e-newsletter is designed to inform you of news, information, and events from the [Oregon Wine Research Institute](#), highlighting our research programs and providing relevant information about the OWRI and our researchers. We continue to provide research-based viticulture and enology information for the Oregon wine industry. As always, we welcome industry input, so please ask [OWRI team members](#) questions from the vineyard or the cellar.



OWRI seminars are an important source of current and relevant research-based information directly from the source, either an OWRI team member or an invited guest. It can be more personal than a newsletter or video, allowing the participant to associate a face with research, and to ask questions as if in a lecture room. On March 2nd OWRI will present a webinar that offers a comprehensive view of our research and extension education efforts on grapevine red blotch disease. In this case, we can use a webinar to address a clear and present need in the wine industry. It will be presented on the Adobe Connect webinar platform, that allows users to chat with the presenters. Please read further for more information about the red blotch webinar, and go to the [webinar archive](#) on the OWRI website to view past lectures. As always, we welcome suggestions from growers and wine makers about topics and speakers for future webinars. Also, do not forget to register for [Grape Day](#) on April 6th. It will also address red blotch and other grape diseases.

Mark Chien  
Program Coordinator

## Oregon Wine Research Institute Events

### Red Blotch Virus Webinar

March 2, 2017 12:00 - 1:30 PM

Red Blotch is a growing concern to the wine industry in Oregon and across the U.S. OWRI has been involved with research on the virus and vector for almost two years, but recently formed a team specifically to address red blotch research and extension education. To address local concerns, OWRI is offering a live, interactive webinar that will feature presentations from the following OWRI researchers:

- Dr. Bob Martin, plant pathologist, USDA-ARS, will provide an overview of the virus.
- Daniel Dalton, Senior FRA Entomology, OSU, will talk about current research to identify insect vectors of the virus.

- Dr. Alex Levin, viticulturist, OSU- Southern Oregon Research and Extension Center, will give an update on grapevine impacts of the virus and potential management practices.
- Rick Hilton and Dr. Achala KC, OSU-Southern Oregon Research and Extension Center, will talk about their research and the impact of the virus in their region.
- Dr. Dipak Poudyal, plant pathologist, ODA, will speak about Red Blotch surveys, analysis service and updates to the grape quarantine and vine certification regulations.

Join the webinar by using the link below and signing in as a guest.

<http://oregonstate.adobeconnect.com/redblotch/>

There is no advanced registration required.

If you have questions, please contact Denise Dewey at 541-737-3620 or

[denise.dewey@oregonstate.edu](mailto:denise.dewey@oregonstate.edu)

*For additional information, read the red blotch article below.*

### **2017 Grape Day**

*Management of Trunk Disease, Grapevine Viruses and Fungicide Resistance*

April 6, 2017 8:30 AM to 3:30 PM

Location: LaSells Stewart Center, OSU Campus, Corvallis, Oregon

Registration is \$65 and includes lunch and a research abstract booklet

Register [here](#)

Join us on campus at Oregon State University for our annual event highlighting research relevant to the Oregon Wine Industry.

### **Management of Grapevine trunk diseases: a difficult but not impossible task,**

Dr. José Ramón Úrbez-Torres, Agriculture and Agri-Food Canada, Summerland Research and Development Centre, British Columbia

**Red Blotch in Oregon,** Dr. Vaughn Walton, Associate Professor, Horticultural Entomologist, OSU Department of Horticulture

**Grapevine Leafroll Disease Impact,** Dr. Laurent Deluc, Associate Professor, Horticultural Entomologist, OSU Department of Horticulture

**Grape Powdery Mildew Management: An Integrated Approach,** Brent Warneke, OSU Botany and Plant Pathology Graduate Student of Dr. Walter Mahaffee, USDA Research Plant Pathologist

**Effects of Red Blotch on Wine Quality,** Dr. Anita Oberholster, Cooperative Extension Specialist in Enology, Department of Viticulture and Enology, University of California, Davis

To view the full program, please go [here](#).

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## **Grapevine Red Blotch Disease (GRBV) Research and Education**

There is a growing concern in the air concerning the discovery of the grapevine red blotch virus in Oregon and growers and wine makers have asked how OWRI is responding to this new threat. Below is a recent accounting of our current activities.

### History and current situation

Grapevine red blotch associated virus (GRBaV) has recently emerged as one of the most serious problems in Oregon vineyards. Oregon Department of Agriculture (ODA) testing for the virus indicates that it is established in vineyards in the Willamette Valley, Southern Oregon, the Columbia Gorge, and there is anecdotal evidence of its presence in Eastern Oregon. (Continue reading the article [here](#)).

## **OWRI Grape and Wine Economics and Business Research for the Oregon Wine Industry**

*Mark L. Chien*

I remember it clearly... at Grape Day in March, 2015 a table at lunch of industry and college leadership including Bill Boggess, David Beck, Tom Danowski and a few others talked about the need for research in matters of wine business. In November, 2014 the OWRI core faculty proposed a postdoc-led grape and wine production economics project, which was not endorsed by the wine industry. Instead, at a later meeting at Chemeketa Eola, two projects designed to examine wine consumer preferences and American Viticultural Area Valuations were ratified by industry members and funded by OWRI (3 years at \$50,000 per year). And thus a wine economics, business and marketing research at OWRI was launched. What was needed was a formal economics research program to join with viticulture and enology at OWRI.

The Oregon wine industry is very accustomed to viticulture and enology research which has been ongoing at OSU since the 1950's (see timeline in [OWRI Stakeholder Report](#)). Other organizations like Chemeketa Wine Studies and the Oregon Wine Board have largely carried the water for wine business and marketing, but mostly in practical and applied information and education. In the original mandate from wine industry leadership that created OWRI, a business program was included, but never developed. After six years, it has arrived. The focus of this program will be on research that informs the underlying issues, relationships, mechanics, behavior, etc. that impacts the economics, business and marketing of Oregon wines. (Continue reading the article [here](#)).

Click here for [Wine Economics Executive Summary](#)

Click here for [Wine Economics Full Report](#)

## **Faculty Highlight**

*Toward a Deeper Understanding of Vine Vigor*

A new researcher joined the Oregon Wine Research Institute as a post-doctoral scholar in fall, 2016. Dr. Landry Roszdeutsch comes to Oregon State University from the [Institute of the Sciences of Vine and Wine](#) at the University of Bordeaux in France. Landry is contributing to the development of a new research area at OWRI focused on understanding the physiology of rootstock-scion interactions of grapevines. This project is a collaborative work between three researchers at OWRI (Drs. Deluc, Schreiner, and Skinkis). Landry received a B.S. degree in Earth and Life Sciences from the University of New Caledonia, France in 2010. In 2012, he earned a M.S. degree in Plant Biology and Biotechnology at the University of Bordeaux,



France. Three years later he defended his Ph.D. at the same university, where he focused on physical and chemical mechanisms in grapevine responsible for the regulation of stomatal closure under water deficit conditions. He mainly explored long-distance signaling mediated by roots by studying plant hormone and hydraulic signals on grapevines within different rootstock-scion combinations. At OSU, Landry will develop a multifaceted research project with short- and long-term objectives. The short-term objectives will provide vine physiology and applied viticulture researchers with a better understanding of how vine vigor and nitrogen affects root/shoot coordinated growth that may be integrated into more applied studies in

the future. The long-term goal is to define which physiological and molecular mechanisms result in different growth patterns with different rootstock/scion combinations. The outcomes of this research will provide the basis for selecting new or alternative rootstock-scion materials for improving vigor management of grapevines in Oregon.

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## 2016 OWRI Year in Review

The faculty of the OWRI were busy with research and outreach in 2016. Sit back and enjoy a video recap of the activities and major findings from the Institute [here](#).

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## Resources

*Dr. Patty Skinkis, OSU Viticulture Extension Specialist & Associate Professor*

### Help Reduce Herbicide Drift from Neighbors

The OSU Extension publication, [Are your Weed-control Products Damaging Nearby Vineyards?](#), is a brief informational guide written in layperson's terms for anyone living near a vineyard to understand the damaging effects that common herbicides can have on grapevines. Be sure to share this document with your neighbors!

[Worker Protection Standards Regulation Changes Take Effect January 2017](#)

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## Continuing Education

### Vineyard Management, Wine Production and Wine Business Workshops Available Winter/Spring 2017

Chemeketa Community College's Wine Studies Program has a series of workshops scheduled on topics ranging from developing an organic spray program to wine business. Some workshops are offered more for the beginner while others cover more advanced topics. To learn more about the workshops and register, click [here](#).

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## Industry Events

**3rd Annual Southern Oregon Viticulture Symposium**

March 14, 2017 @ 8:00 AM- 3:30 PM

Southern Oregon Research and Extension Center, Central Point, Oregon

The Rogue Valley Winegrowers Association offers its third annual Southern Oregon Viticulture Symposium with an impressive list of speakers addressing red blotch, clean plants, water stress and terroir, including additional sessions in Spanish. The meeting will be held at the OSU Southern Oregon Research and Extension Center in Central Point, OR on Tuesday, March 14th from 8:00 AM to 3:30 PM. Cost is \$25 for RVWA members and \$50 for non-members. For registration, a full program and speaker biographies, please go to the [RVWA website](#).

Have a particular topic or question you would like to see addressed in the *Vine to Wine*? Let us know.

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