



Vine to Wine

Oregon Wine Research Institute

April 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.



Program Coordinator Update

Mark L. Chien

The March OWRI webinar presented by Drs. Walt Mahaffee and Jay Pscheidt on fungicide resistance is available on our website and can be viewed anytime. To watch this, or any other OWRI seminar, visit our website [here](#).

Our upcoming spring seminar on Dr. Laurent Deluc's research on Auxin Response Factor 4 will take place on April 25. See details below.

2017 Grape Day was on Thursday, April 6. This long-standing event allows researchers and industry members to attend research presentations and discuss current topics of interest in the vineyard and winery during the breaks and poster sessions. Topics presented by researchers this year included management of grapevine trunk disease, grapevine viruses and fungicide resistance. Sincere thanks to all who made this event a success. Click [here](#) to view the 2017 Grape Day Research Abstracts and speaker presentations. Next year, Grape Day will be held on Tuesday, April 3, 2018. Hope to see you there!

Events

Seminar- *Role of Auxin-Response Factor 4 (ARF4) in the Ripening Process of Grape Berry*

April 25, 2017 3:00 PM - 4:30 PM PST

Location: OSU Kidder Hall 202 (campus map [here](#))

Presenter: **Dr. Laurent Deluc**, Associate Professor, Dept. of Horticulture, OSU

Despite extensive documentation on major physiological changes occurring at the ripening onset (*véraison*) of grape berry development, the genetic mechanisms controlling these changes remain poorly understood. It is largely admitted that ripening initiation is a combination of various factors involving internal and external signals.

This long-term project will exploit a new genetic model, the microvine, which is more amenable for genetic engineering, and will be part of a new collaboration between OSU, OWRI and the CSIRO (Commonwealth Scientific and Industrial Research Organization, Australia). Using this genetic approach, we hope to determine the role of a regulatory proteins (ARF4 for Auxin-Response Factor 4) in the control of ripening initiation and its likely influence on fruit composition towards maturity. The sources of funding for this project include the Oregon Wine Board, the Erath Family Foundation, and the Fermentation Initiative by the State of Oregon. [Find out more](#)

There is no advanced registration required. This seminar will be recorded and made available on the OWRI website.

To watch this event live, visit live.oregonstate.edu

*Please note, the event will not be available until 3:00 PM on Tuesday, April 25.

Workshop- *Sulfides in Winemaking*

April 27, 2017 8:30 AM- 1:00 PM Northwest Wine Studies Center, Salem

May 3, 2017 8:30 AM- 1:00 PM So. Oregon Research & Extension Center (SOREC), Central Point

Presenter: [Dr. James Osborne](#), OSU Dept. of Food Science & Technology

Registration fee: \$45/person, each location. Register [here](#).

This half day workshop will explore the many factors influencing sulfide production during winemaking and ways to reduce their formation. Dr James Osborne will discuss some of the latest research regarding this complex problem including recent work conducted at OWRI that investigated formation of sulfur compounds post-alcoholic fermentation. A tasting will also be conducted highlighting how sulfides can impact wine.

Specifically we will discuss:

- Vineyard influences - Nitrogen and elemental sulfur
- Formation during alcoholic fermentation
- Formation post-alcoholic fermentation
- Methods to minimize formation and tools for treatment

Please contact [James Osborne](#) for further details.

Wine Lecture Series- *History of the Vineyards*

May 1, 2017 @ 7:30 PM

Linfield College, Melrose Hall, Ice Auditorium (map [here](#))

Presenters: Ken Wright, Owner, *Ken Wright Cellars* and Jim Gullo, *Author and Journalist*

[Find out more](#)

Opportunities

2017-2018 OWRI Undergraduate Scholar Positions

The OWRI is offering to talented and highly-motivated undergraduate students the opportunity to learn and actively participate in viticulture and enology research through the OWRI Undergraduate Scholars Program. The OWRI will fund up to five scholars during the 2017-18 academic year. Scholars will have the opportunity to gain a broader learning experience outside of the classroom by working directly within the lab and research program of an OWRI faculty mentor. [Find out more](#)

Recruiting New Industry Collaborators for the 2017 OSU Statewide Crop Load Research Project

Dr. Patty Skinkis, Viticulture Extension Specialist, is recruiting new vineyard and winery partners in the project during 2017. If you produce Pinot noir or Chardonnay in Oregon and are interested in joining this multi-year collaborative project, read more [here](#).

Resources

2017 Pest Management Guide for Wine Grapes in Oregon now available through OSU Extension!

This guide is co-authored by viticulture, horticulture and pathology extension faculty at Oregon State University and updated annually. It provides chemical and cultural control information for insects, weeds, and diseases based on grapevine phenology (growth stages throughout the year). Updated information from fungicide efficacy trials is included as well as other resources and an air blast

Slow growth in your vineyard? OSU Extension guide and app available to walk you through symptoms

[Recognize the Symptoms and Causes of Stunted Growth in Vineyards](#), is an open-access publication and app produced by OSU Extension faculty to assist you with diagnosing problems in your vineyards. Spring frost, herbicide drift, water or nutrient stress, diseases, and insect and mite pests can cause similar symptoms of stunting or distorted growth in grapevines. Recognizing the symptoms and distinguishing their causes is the first step in diagnosing problems and developing a management plan. With many color photos, this publication will help you identify probable causes of distorted shoot and vine growth in vineyards and direct you to other resources that can lead to solutions.

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](#)

Continuing Education

Wine Industry Immersion Program

Linfield College's Wine Industry Immersion Program will encompass the wine production process from vineyard to table. Held June 13 - August 13 from 8:30AM to 4:30PM on Tuesdays and Thursdays. [Read more here](#)

Wine Studies Workshops Available Spring 2017

Chemeketa Community College's Wine Studies Program has a series of workshops scheduled on topics ranging from vineyard management to wine business. Click [here](#) to learn more or to register.

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

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