

Latest publications from the UC Davis Department of Viticulture & Enology as of 4/28/2017:

Linda F Bisson, Gordon Walker, Vidhya Ramakrishnan, Yan Luo, Qingwen Fan, Emily Wiemer, Peter Luong, Minami Ogawa, Lucy Joseph. 2017. [The two faces of *Lactobacillus kunkeei*: Wine spoilage agent and bee probiotic](#). Catalyst: Discovery into Practice 1 (1), 1-11.

Linda F Bisson. [Yeast Hybrids in Winemaking](#). Catalyst: Discovery into Practice 1 (1), 27-34.

Barbara Blanco-Ulate, Helene Hopfer, Rosa Figueroa-Balderas, Zirou Ye, Rosa M. Rivero, Alfonso Albacete, Francisco Pérez-Alfocea, Renata Koyama, Michael M. Anderson, Rhonda J. Smith, Susan E. Ebeler, Dario Cantu. 2017. [Red blotch disease alters grape berry development and metabolism by interfering with the transcriptional and hormonal regulation of ripening](#). Journal of Experimental Botany, erw506.

Abraham Morales-Cruz, Gabrielle Allenbeck, Rosa Figueroa-Balderas, Vanessa E Ashworth, Daniel P Lawrence, Renaud Travadon, Rhonda J Smith, Kendra Baumgartner, Philippe Rolshausen, Dario Cantu. 2017. [Closed-reference metatranscriptomics enables in planta profiling of putative virulence activities in the grapevine trunk-disease complex](#). bioRxiv (Accepted in Molecular Plant Pathology - February 20 2017), 099275.

Emma Sherman, David R Greenwood, Silas G Villas-Boâs, Hildegard Heymann, James F Harbertson. 2017. [Impact of Grape Maturity and Ethanol Concentration on Sensory Properties of Washington State Merlot Wines](#). American Journal of Enology and Viticulture, ajev. 2017.16076.

S Ebeler. 2017. [Authentication of Wines and Beverages](#). Annual Review of Food Science and Technology 8 (1).

H Hopfer, G Gilleland, SE Ebeler, J Nelson. 2017. [Elemental Profiles of Whisk\(e\)y Allow Differentiation by Type and Region](#). Beverages 3 (1), 8.

PJ Gray, CK Tanabe, SE Ebeler, J Nelson. 2017. [A fast and fit-for-purpose arsenic speciation method for wine and rice](#). Journal of Analytical Atomic Spectrometry.

Sonet Van Zyl, Matthew Fidelibus, Steven J Vasquez, Larry E Williams, Kent M Daane, Glenn Y Yokota, Xin-geng Wang, Craig A Ledbetter, Annette E Levi, Kendra Baumgartner. 2017. [San Joaquin Valley Grape Symposium Proceedings](#).

JM Earles, G Th roux-Rancourt, ME Gilbert, AJ McElrone, C Brodersen. 2017. [Excess diffuse light absorption in upper mesophyll limits CO2 drawdown and depresses photosynthesis](#). Plant Physiology, pp. 00223.2017.

Christine Scoffoni, Caetano Albuquerque, Craig R Brodersen, Shatara V Townes, Grace P John, Herv  Cochard, Thomas N Buckley, Andrew J McElrone, Lawren Sack. 2017. [Leaf vein xylem conduit diameter influences susceptibility to embolism and hydraulic decline](#). New Phytologist 213 (3), 1076-1092.

Christine Scoffoni, Caetano Albuquerque, Craig Brodersen, Shatara V Townes, Grace P John, Megan K Bartlett, Thomas N Buckley, Andrew J McElrone, Lawren Sack. 2017. [Outside-xylem vulnerability, not xylem embolism, controls leaf hydraulic decline during dehydration](#). Plant Physiology, pp. 01643.2016.

JS Capitanio, B Montpetit, RW Wozniak. 2017. [Human Nup98 regulates the localization and activity of DExH/D-box helicase DHX9](#). eLife 6, e18825.

N Yang, M Weinfeld, H Lemieux, B Montpetit, S Goping. 2017. [Photo-activation of the delocalized lipophilic cation D112 potentiates cancer selective ROS production and apoptosis](#). Cell Death & Disease 8 (2), e2587.

S Heinrich, CP Derrer, A Lari, K Weis, B Montpetit. 2017. [Temporal and spatial regulation of mRNA export: Single particle RNA-imaging provides new tools and insights](#). BioEssays.

H Hopper, G Gilleland, SE Ebeler, J Nelson. 2017. [Elemental Profiles of Whisk \(e\) y Allow Differentiation by Type and Region](#). Beverages 3 (1), 8.

PJ Gray, CK Tanabe, SE Ebeler, J Nelson. 2017. [A fast and fit-for-purpose arsenic speciation method for wine and rice](#). Journal of Analytical Atomic Spectrometry .

Larry Lerno, Max Reichwage, Siriwan Panprivech, Ravi Ponangi, Leanne Hearne, Anita Oberholster, David E Block. 2017. [Chemical Gradients in Pilot Scale Cabernet Sauvignon Fermentations and Their Effect on Phenolic Extraction](#). American Journal of Enology and Viticulture, ajev. 2017.16104.

DA Hendrickson, A Oberholster. 2017. [Review of the Impact of Mechanical Harvesting and Optical Berry Sorting on Grape and Wine Composition](#). Catalyst: Discovery into Practice 1 (1), 21-26.

OT Yu, RF Greenhut, AT O'Geen, B Mackey, WR Horwath, KL Steenwerth. 2017. [Precipitation Events and Management Practices Affect Greenhouse Gas Emissions from Vineyards in a Mediterranean Climate](#). Soil Science Society of America Journal 81 (1), 138-152.

G Han, MR Webb, C Richter, J Parsons, AL Waterhouse. 2017. [Yeast alter micro-oxygenation of wine: oxygen consumption and aldehyde production](#). Journal of the Science of Food and Agriculture.