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I. PUBLICACIONES (2015 – presente)

Publicaciones en revistas indexadas (ISI)

1. Serrano A, **Kuhn N**, Restovic F, Meyer-Regueiro C, Madariaga M, Arce-Johnson, P (2022) The Glucose-Related Decrease in Polar Auxin Transport During Ripening and its Possible Role in Grapevine Berry Coloring. ***Journal of Plant Growth Regulation***; doi: 10.1007/s00344-021-10553-6
2. **Kuhn N**, Ponce C, Arellano M, Time, A, Multari S, Martens S, Carrera E, Sagredo B, Donoso JM, Meisel LA (2021). ABA influences color initiation timing in *P. avium* L. fruits by sequentially modulating the transcript levels of ABA and anthocyanin-related genes. ***Tree Genetics and Genomes*** 17(2); doi: 10.1007/s11295-021-01502-1
3. Time A, Ponce C, **Kuhn N**, Arellano M, Sagredo B, Donoso JM, Meisel LA (2021). Canopy spraying of abscisic acid to improve fruit quality of different sweet cherry cultivars. ***Agronomy*** 11(10); doi: 10.3390/agronomy11101947
4. Ponce C, **Kuhn N**, Arellano M, Time A, Multari S, Martens S, Carrera E, Sagredo B, Donoso JM, Meisel LA (2021). Differential Phenolic Compounds and Hormone Accumulation Patterns between Early-and Mid-Maturing Sweet Cherry (*Prunus avium* L.) Cultivars during Fruit Development and Ripening. ***Journal of Agricultural and Food Chemistry***; doi: 10.1021/acs.jafc.1c01140
5. **Kuhn N**, Maldonado J, Ponce C, Arellano M, Time A, Multari S, Martens S, Carrera E, Donoso JM, Sagredo B, Meisel LA (2021). RNAseq reveals

different transcriptomic responses to GA₃ in early and midseason varieties before ripening initiation in sweet cherry fruits. **Scientific Reports** 11(1); doi:10.1038/s41598-021-92080-8

6. Godoy F, **Kuhn N**, Muñoz M, Marchandon G, Gouthu S, Deluc L, Delrot S, Lauvergeat V, Arce-Johnson P (2021). The role of auxin during early berry development in grapevine as revealed by transcript profiling from pollination to fruit set. **Horticulture Research** 8(1); doi: 10.1038/s41438-021-00568-1
7. **Kuhn N**, Ponce C, Arellano M, Time A, Sagredo B, Donoso JM, Meisel LA. (2020). Gibberellic acid modifies the transcript abundance of ABA pathway orthologs and modulates sweet cherry (*Prunus avium*) fruit ripening in early- and mid-season varieties. **Plants** 9(12); doi: 10.3390/plants9121796
8. **Kuhn N**, Serrano A, Abello C, Arce A, Espinoza C, Gouthu S, Deluc L, ArceJohnson P (2016) Regulation of polar auxin transport in grapevine fruitlets (*Vitis vinifera* L.) and the proposed role of auxin homeostasis during fruit abscission. **BMC Plant Biology** 16; doi: 10.1186/s12870-016-0914-1
9. Figueroa R, Pacheco F, Echaiz C, Cordovez G, **Kuhn N** (2016) Effects of preemergence herbicides on bell pepper, crop injury and weed management in irrigated Chilean fields. **Weed Technology** 30(2); doi: 10.1614/WT-D-15-00124.1

II. EXPERIENCIA EN PROYECTOS DE INVESTIGACION (2015 – presente)

2022 – a la fecha **Proyecto Fondecyt de Iniciación 11221186**. "Participation of the auxin-gibberellin negative regulatory module during the fruit ripening initiation in the non-climacteric sweet cherry: Towards a seed-fruit interaction multiscale model"

2018 – a la fecha **Proyecto Fondecyt de Postdoctorado 3180138**. "Genetic factors underlying the role of gibberellin in sweet cherry fruit maturity delay".