

HLA Happenings

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Envision Spotlights Purdue-Zamorano Connection with Celina Gómez and Sofía Gómez



Purdue Agriculture's Envision Magazine most recent issue included a spotlight on Celina Gómez and Sofía Gómez and their Zamorano-Purdue Connection:

Then and Now.

Envision Magazine also published a [video](#) that spotlights the Zamorano Alumni Community at Purdue, which includes Celina Gómez, Sofía Gómez, and many HLA graduate students and visiting scholars.

Petrus Langenhoven Co-Hosted the Midwest Mint Growers Conference



Petrus Langenhoven and Meredith Cobb (co-organizers) hosted the Midwest Mint Growers Conference in partnership with the Indiana Mint Market Development and Research Council (IMMDC). The meeting was held in South Bend, Indiana, on February 22 & 23, 2024. **Linda Prokopy** presented a talk titled Creating a Diverse Cornbelt. **Carlos Lopez Manzano** presented the Mint Weed Management Update. Petrus Langenhoven introduced the new [Indiana Mint Oil Production](#) website to the audience. Other speakers from Purdue University included Renee Wiatt (AgEcon), Elizabeth Long (ENT), Michael Langemeier

(AgEcon), and Phil Woolery (EXT).

Carlos Manzano Presented at Midwest Mint Growers Conference



Carlos Manzano from **Meyers' Lab** presented "Mint Weed Management Update" at the Midwest Mint Growers Conference in South Bend, IN on Feb 22nd.

Petrus Langenhoven Interviewed by Inside Indiana Business



Petrus Langenhoven was interviewed by Inside Indiana Business. An article titled [Increasing Challenges Threaten Indiana's Mint Oil Industry](#) was published on February 21, 2024.

Grad Students' Splatter-Box Adventure!



□ **Event Date:** Saturday, Feb 17

□ **Recap:** Grad students unleashed a rainbow of paint at each other in the Splatter Box, transforming into human canvases of colorful creativity.

□ **Highlights:** The event provided a refreshing pause, offering energy and laughter-filled companionship.

□ **Gallery:** Check the captivating photos capturing this paint-soaked adventure's essence. View photos [here](#) or [here](#).

Grad students will plan more colorful escapades! □□

HLA Spring 2024 Seminar Series – Dr. Ryan Patrick



PURDUE UNIVERSITY Horticulture and Landscape Architecture

2024 HLA Spring Seminar

Dr. Ryan Patrick, Research Associate
Horticulture and Landscape Architecture, Purdue University
Thursday February 29th, at 3:30pm, HORT 117 or Zoom



Coffee and light refreshments will be provided

“What makes a plant: investigating the basis of plant traits using functional genomics approaches”

Abstract

Genetic information, including coding and regulatory DNA sequences, is organized at the level of chromatin by epigenetic modifications which govern transcriptional activity of genes. Different developmental and environmental cues interact with the chromatin-organized genome leading to activation or repression of gene regulatory networks that eventuate a phenotypic response. My work has focused on determining the underlying genetic and epigenetic features that contribute to plant traits using functional genomics approaches. In petunia, I have uncovered regulatory mechanisms of primary and specialized metabolic networks that control production and emission of floral volatiles, both on developmental and diurnal time scales. In tomato, I have elucidated organ-specific patterns of epigenetic modifications governing nutrient response. Independently, I have developed a machine learning pipeline utilizing natural diversity across a broad panel of related plant species to illuminate novel regulatory networks directing specialized metabolism. Leveraging these functional genomics approaches, I aim to understand connections between genetic information, the machinery that interprets it, and specific traits which affect crop yield and the generation of desired plant metabolic products.

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Dr. Ryan Patrick, Research Associate
Horticulture and Landscape Architecture,
Purdue University
Thursday February 29th, at 3:30pm
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Abstract: Genetic information, including coding and regulatory DNA sequences, is organized at the level of chromatin by epigenetic modifications which govern transcriptional activity of genes. Different developmental and environmental cues interact with the chromatin-organized genome leading to activation or repression of gene regulatory networks that eventuate a phenotypic response. My work has focused on determining the underlying genetic and epigenetic features that contribute to plant traits

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Fruit Pruning Workshop



PURDUE UNIVERSITY Extension

PRUNING WORKSHOP

Fruit Diseases - Grape Pruning - Apple/Pear Pruning - Bramble Pruning

FEBRUARY 28TH, 2024 1:00-4:30
MARCH 20TH, 2024 1:00-4:30 (WEATHER DATE)

MEIG'S HORTICULTURE RESEARCH FARM
9101 S. 100 E. Lafayette, IN 47909

\$10 - PAYABLE AT THE DOOR
Contact: Tricia.Herr@purdue.edu or any Area 9 ANR Educator

Purdue Small Farm Education Field Day



SAVE THE DATE

PURDUE SMALL FARM EDUCATION FIELD DAY

JULY 25, 2024
at the Purdue Student Farm
<https://www.purdue.edu/hla/sites/studentfarm/events/>

PRESENTED BY:
PURDUE UNIVERSITY Horticulture and Landscape Architecture

Purdue Fruit and Vegetable Field Day



Newsletters:

Facts for Fancy Fruits: <https://fff.hort.purdue.edu>

Vegetable Crops Hotline: <https://vegcropshotline.org/>

Purdue Landscape

Report: <https://www.purduelandscapereport.org>

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