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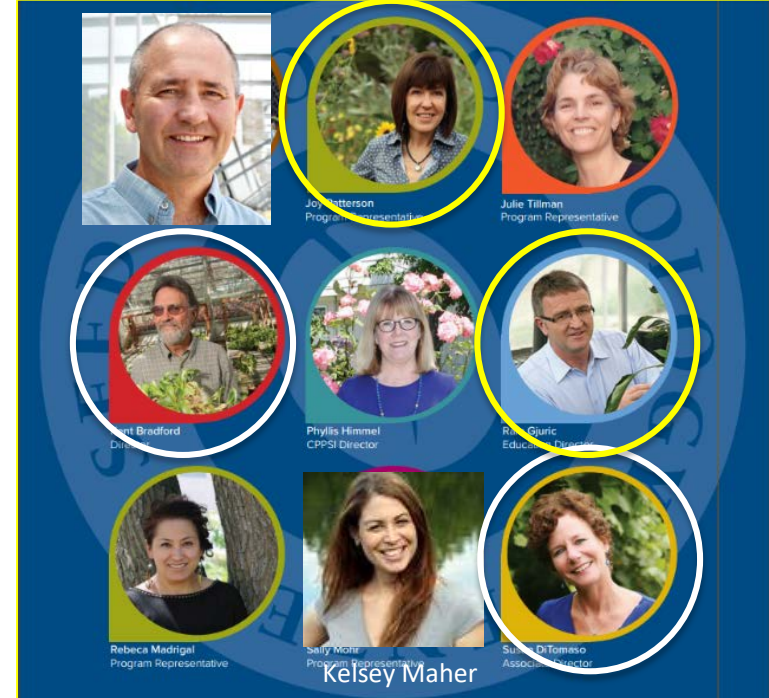
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Seed Advisory Board
May 5, 2020

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SBC in Transition

- Sue retired, Kent 20% WFC
- Rale and Joy- June retired
- New Staff members in June/Sept
- Offer in place for both.



New Faculty position

- Plant Reproductive Biology
- Assistant/Associate professor
- 44 applicants
- 5 interviewed this week



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Seed Biotechnology
Center



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Courses for Industry last 6 months



Dec 9-12, 2019, Davis, 35 participants



Feb 10-13, 2020, Davis 38 students



Oct. 29-30, Davis, 165 participants



Oct 2019: European Academy VI, 18 students

Feb 2020: UC Davis Academy VII: 16 students



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Courses for Industry next 6 months



June 16 - 17, 2020, Davis, CA--**cancelled**



Field Crops, August 17-21, 2020, St. Charles, IL
Postponed

Horticulture, December 7-11, 2020, Davis, CA



October 27 - 28, 2020, Davis



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Plant Breeding Academysm

- EU Class V graduated in Began October 2019.
18 participants- **Postponed March, June?**
- Davis Class VIII Sept 9-14th **Recruiting now**
- African PBA Class IV, Graduated in December 2019, 32 participants.
- African PBA Class V, May 2020, 40 participants.
- **>388 breeders** from >80 different countries.



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Plant Breeding Academy

<http://pba.ucdavis.edu>



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Media



CBS Morning Show
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International/Policy

- **African Plant Breeders Association:** Oct 2019; 421 participants
- **Discipline of Plant Breeding:** Feb 19, 2020, Washington, DC
- **Gene editing: Food and Seed Industry:** Feb 20, 2020, Washington, DC
- **Breeding for Food Safety:** Feb 20, 2020, Washington, DC
- **Gene editing:** American Frozen Food Inst. March 1, 2020, Las Vegas, NV





MENTORING

Nomination: **Mar 19**
Final Submission: **Mar 26**

GRD: <https://www.agronomy.org/awards/view/207>
UGRD: <https://www.agronomy.org/awards/view/206>

TRAVEL
EXPENSES
2020 NAPB



**PROFESSIONAL
DEVELOPMENT**

Interested in **mentoring**?
<https://www.plantbreeding.org/awards/mentor/application>



The Future of Lettuce

A Symposium organized by the Genes to Growers Project

March 16, 2020

The Cliffs Hotel and Spa • Pismo Beach, CA

www.G2G.ucdavis.edu

Convening experts in consumer preferences, marketing trends, breeding, production, postharvest handling, and food safety to envision the future of lettuce

Flipped to Virtual in 1 week



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GENOME CENTER

Seed Central



Francois
26
UC
Pom
Monterey

VIRTUAL

Student program at ASTA
Veg

4:00 - 5:30

Featured speaker



Markita del Carpio Landry

Assistant Professor
Department of Chemical and Biomolecular
Engineering
UC Berkeley

Topic: Nanomaterials enable delivery of
genetic material without transgene integration
in mature plants

See February 2019 news release:
"DNA takes a ride on a nanotube: Next stop,
genome-edited crops"



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Mechanical Harvesting Lines of Pepper

MUC14-17



MUC14-200



MUC14-330



Joe Parker



United States Department of Agriculture
National Institute of Food and Agriculture



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Tomato Spotted Wilt

ISOLATE	LOCATIO N (County)	PEPPER	TOMATE			
		Tsw	Sw-5		Non Sw-5	
		Huntington	N6416	H5608	Glamour	Heirloom Red
RB-TSWV- CA-P-1	Yolo	3/3	0/3	0/3	3/3	3/3
19-314	Yolo	0/3 ^{a/}	3/3	3/3	3/3	3/3
19-325	Fresno	3/3	3/3	3/3	3/3	3/3
19-327	Fresno	3/3	3/3	3/3	3/3	3/3
19-329	Fresno	0/3	3/3	3/3	3/3	3/3



Bob Gilbertson and Allen Van Deynze

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Spinach Breeding Program - People



Charlie Brummer
Program Director



Allen Van Deynze
Program Director



Allison Krill Brown
Breeder



Arsenio D. Ndeve
Post Doc. Plant Path



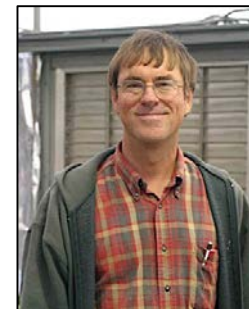
Samantha Hilborn
M.Sc. Student



Oon Ha Shin
Ph.D. Student



Steve Klosterman
Co-PI USDA-ARS
Salinas CA



Richard Smith
Co-PI UC Cooperative
Extension, Salinas CA

A science-based, vegetable seed industry sponsored initiative to standardize the identification of plant pathogen strains and races based on sets of host differentials and reference plant pathogen strains

- CPPSI Services were launched on www.CPPSI.org in July 2019
- CPPSI is now a UC Davis Corporate Partner
- The World Vegetable Center (formerly AVRDC) is the newest CPPSI member
- A CPPSI marketing plan was developed to promote CPPSI membership and services
- Continued collaborations with EU and now Asia associations for consistent plant pathogen strain naming
- Status of Reference Material Development



Number of Host Sets Distributed from 2010* - December 2019

Year	Host Sets Distributed
2010	18
2011	83
2012	147
2013**	50
2014	85
2015***	90
2016	115
2017	84
2018	161
2019	73
TOTAL	906

* = 2010 - 2012 CPPSI housed on website of International Seed Federation

** = 2013 independent CPPSI domaine launched

*** = 2015 - present, CPPSI domaine housed by the University of California at Davis

Reference Materials development status

	Host	Pathogen	Approval date	Expected deployment
Round 1	melon	Fusarium wilt	2007	Deployed
	pepper	Bacterial spot	2007	Deployed
	spinach	Downy mildew	2007	Deployed
	tomato	ToMV	2007	Deployed
Round 2	lettuce	DM	2016	Deployed
	pepper	TSWV	2016	Deployed
	tomato	TSWV	2016	Deployed
	watermelon	Fusarium wilt	2016	May 2020
Round 3	tomato	RKN	2017	2020
	tomato	Fusarium wilt	2017	2020
	melon	Powdery mildew	2017	2020
Round 4	pepper	PVY	2018	2021
	pepper	PepMV	2018	2021
	pepper	Tobamoviruses	2018	2021
	tomato	Verticillium wilt	2018	2021
Round 5	tomato	Spot	2019	2022
	tomato	Speck	2019	2022
	pepper	crown and root	2019	2022
Round 6	TBD	TBD	2020	2023

Thank You



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