

CRB Active Research Projects FY 20-21

CRB ID#	Principal Investigator	Affiliation	Project Title
5200-153	Eliezer S. Louzada	TAMU Kingsville	Development of "all Plant" transgenic citrus with potential broad spectrum disease resistance using gene gun
5200-154	Chandrika Ramadugu	UC Riverside	Development of HLB resistance through inarching novel, disease tolerant hybrids and through breeding
5200-155	James Thomson	USDA-ARS	Identification of Fruit Specific Founder Lines for RMCE gene stacking
5200-166	Vivian Irish	Yale University	Engineering Citrus using recent advances in gene editing technologies
5200-168	Kim Bowman	USDA-ARS	Refinement and application of greenhouse methods to evaluate scion and rootstock tolerance to CLAs
5200-169	Jude Grosser	Univ. of Florida	Field testing to identify elite rootstocks that can mitigate or prevent HLB in scions commercially I
5200-170	James Thomson	USDA-ARS	Development of mature citrus tissue transformation technology
5200-171	Danelle Seymour	UC Riverside	Building a genomic toolkit to protect the navel orange
5200-172	Dan Willey	Fruitmentor	Reducing Disease Risk by Discovery, Introduction and Commercialization of New Citrus Varieties
5200-201	Mikeal Roose & Tracy Kahn	UC Riverside	CORE: Integrated citrus breeding and evaluation for California
5200-173	Chandrika Ramadugu	UC Riverside	Breeding for generating HLB resistant citrus, and field evaluation of selected HLB tolerant hybrids.
5200-174	Sean Cutler	UC Riverside	Inducible flowering technology for citrus speed breeding
5200-175	Vivian Irish	Yale University	Engineering Citrus for HLB resistance using gene-editing technologies
5200-176	James Thomson	USDA-ARS	Evaluation of Lilac limes for deregulation and technology extension to other cultivars
5300-182	Neil McRoberts	UC Davis	DATOC (Data Analysis and Tactical Operations Center)
5300-187	Peggy Mauk	UC Riverside	Ensuring security and integrity of valuable breeding, research, and germplasm collections
5300-188	Jianchi Chen	USDA-ARS	An NGS-based system for unambiguous detection of HLB pathogen
5300-190	James Ng	UC Riverside	High performance California-derived CTV-based vectors for the control of HLB and other applications
5300-192	Bruce Babcock	UC Riverside	Economic Returns from Coordinated Actions to Control HLB
5300-199	Roger Magarey	No. Carolina State	Risk-based survey for decision making in the management of Huanglongbing: Phase II
5300-200	Roger Magarey	No. Carolina State	Predict likelihood of ACP/HLB dispersal into CA commercial citrus under different control protocols
5300-201	Douglas Hill	Technology Evolving Solutions	Improving HLB Diagnosis Through Instrument Engineering
5300-202	Michelle Heck	USDA-ARS	Year 2:A screen of nodule-specific cysteine-rich peptides for control of the HLB bacterium in citrus
5300-203	Johan Leveau	UC Davis	Biological control of Huanglongbing by the bacterium Paraburkholderia phytofirmans PsJN
5300-204	Subhas Hajeri	CCTEA	Evaluation of reliable sampling tissue and seasonality for consistent detection of CLAs by qPCR
5300-205	Georgios Vidalakis	UC Riverside	Phase 2 of high-throughput sequencing as a CCPP routine diagnostic tool for variety introduction
5300-207	Georgios Vidalakis	UC Riverside	Independent-mobile RNA (iRNA) expression vector against HLB-Initiate operation "Lab 2 Farm"
5300-209	Robert Shatters	USDA-ARS	Development of RNA aptamer technology to block feeding of the Asian citrus psyllid on citrus
5300-210	Ray Yokomi	USDA-ARS	California citrus tristeza virus survey

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CRB ID#	Principal Investigator	Affiliation	Project Title
5300-211	Jennie Fagen	No. Carolina State	Phage hydrolases for Liberibacter biofilm control
5300-212	Roger Magarey	No. Carolina State	Predicting the likelihood of ACP/HLB dispersal into California commercial citrus groves via scenario
5100-154	Georgios Vidalakis	UC Riverside	Citrus dwarfing of commercial varieties using TsnRNAs
5400-154	Philippe Rolshausen	UC Riverside	Citrus undercover production systems (CUPS) for California
5400-155	James Adaskaveg	UC Riverside	Epidemiology and management of phytophthora diseases of citrus in California
5400-156	James Adaskaveg	UC Riverside	Forecasting and management of Septoria spot of citrus
5400-158	Bruce Babcock	UC Riverside	Impact of SGMA on Competitiveness of California's Citrus Industry
5400-161	Peter Larbi	UC ANR	Spray Drift Study in Citrus to Support Orchard and Vineyard Airblast Drift Modeling Effort
5400-162	James Adaskaveg	UC Riverside	Postharvest Disease Management
5400-163	Themis Michailides	UC Davis	Epidemiology and management of anthracnose dieback and Alternaria Rot in California Citrus
5400-164	Steven Pao	CSU Fresno	Validating the Control of Cross-Contamination in High-pressure Washers and Fungicide Flooders
5500-215	Richard Stouthamer	UC Riverside	Rearing ACP for supply to research projects and assuring genetic quality of Tamarixia radiata
5500-217	Omar Akbari	UC San Diego	Transgenesis and paratransgenesis tools for the control of the Asian citrus psyllid
5500-220	Jay Rosenheim	UC Davis	Characterizing earwig damage to citrus fruits, and damage prevention using trunk barrier treatments
5500-221	Christopher Vincent	Univ. of Florida	Particle films for organic or conventional prevention of Asian citrus psyllid
5500-222	Monique Rivera	UC Riverside	ACP under California conditions: wind, atmospheric pressure, temperature, and humidity
5500-223	Raman Bansal	USDA-ARS	Genetically Improving the Natural Enemy of California Red Scale
5500-224	Barbara Petersen	Exponent	Review of DPR's Neonicotinoid Assessment
5500-501	Elizabeth Grafton-Cardwell	UC Riverside	CORE: Citrus IPM Program
5500-501	Monique Rivera	UC Riverside	Core IPM
5050-010	Spencer Walse	USDA-ARS	Breaking critical pest-related trade barriers for California citrus exports (TASC)
6100	Georgios Vidalakis	UC Riverside	Citrus Clonal Protection Program (CCPP)