

2021 RFP Preproposals Invited to Submit Full Proposals

Proposal No.	Investigator	Proposal Title
21-005	Ute Albrecht	Comparison of field performance of citrus trees on rootstocks propagated by seed, cuttings, and tissue culture
21-006	Fernando Alferez	Leveraging Synergistic Effects of Individual Protective Covers (IPCs) and Brassinosteroids (HBr) to Prolong Health of Newly Planted Citrus Trees and Increase Fruit Yield and Quality
21-007	Fernando Alferez	Reducing fruit drop by altering hormonal responses within the tree through nutritional and hormonal therapies: a mechanistic affordable approach
21-008	Kim D. Bowman	Development of Next-Generation SuperSour rootstocks with tolerance to HLB
21-009	Jose X. Chaparro	Screening Of Citrus Scion Selections For HLB Tolerance And Commercial Traits
21-010	Dr. Uwe Conrath	Discovering salicylic acid analogs that protect citrus from Huanglongbing (acronym: SalicyTrus)
21-011	Zhanao Deng	Identifying and Testing Novel Natural Antimicrobial Peptides from HLB-resistant Citrus Relatives
21-012	Megan Dewdney	Evaluating the role of greasy spot and peel disorders in the greasy-green defect on citrus fruit
21-013	Larry Duncan	New tactics to managing concomitant damage by sting nematode and huanglongbing in replanted citrus groves
21-014	Chooa El Mohtar	CTV-T36 vectors as a tool to induce efficient flowering in citrus seedlings
21-015	Svetlana Y. Folimonova	Manipulating the expression of the citrus miraculin-like protein 2 via a Citrus tristeza virus-based vector to defend against Candidatus Liberibacter asiaticus (CLas) in citrus
21-016	Sandra M. Guzman	Evaluating the Impacts of Deficit Water Management on Root Growth and Fruit Drop for HLB Trees
21-017	Evan Johnson	Microneedles combined with slow release spray film for direct phloem delivery of materials
21-018	Nabil Killiny	Optimization and evaluation of the auxin-like melatonin as a therapeutic treatment to enhance tree performance and reduce yield loss of HLB-affected groves
21-019	Amit Levy	Novel assay to screen for antimicrobials and peptides to prevent multiplication of CLas
21-020	Clay Pederson	Productivity evaluation of tree-size-controlling rootstocks planted on Super High Density system with mechanical harvest
21-021	Kirsten Pelz-Stelinski	CLas Inhibition with Antisense Oligonucleotides for Management of Citrus Greening Disease
21-022	Lorenzo Rossi	Characterization of oak compounds that are active against citrus plant pathogens and/or improve citrus health parameters
21-023	Dr. Soumya Roy	Improving the effectiveness of cranberry extracts against CLas and assessment of the effectiveness via hairy root assay
21-024	Arnold Schumann	Determine optimal timing for application of fertilizer to improve fruit quality and reduce drop
21-025	Ed Stover	Transgenic capable field site to assess HLB-resistant and other improved citrus
21-026	Tripti Vashisth	Regulating water uptake and water use efficiency to reduce fruit drop
21-027	Nian Wang	Control citrus HLB using antimicrobial peptides and host defense peptides identified from HLB-resistant citrus relatives
21-028	Nian Wang	Generation of non-transgenic HLB-resistant sweet orange varieties using CRISPR-Cas technology
21-029	Yu Wang	Development of a high throughput field assay for early detection of tree response to CLas damage using an AI based predictive model
21-030	Xing-Hai Zhang	To inject or to spray? Effective delivery of plant-based bactericide serum
21-031	Jude Grosser	Breeding and Evaluation of Scions and Rootstocks Necessary for Sustainable and Profitable Citriculture in Florida