Project Number	Project Title	Researcher	Home Institution	Status
UCR-003-I-F	Generation of defined transposon libraries in Vibro cholerae	Alec Newman	UCR	In progress
UCSB-006-I-E	Assessing the role of an unusual lipid for the marine cyanobacteria, Trichodesmium	Kelsey Gosselin	UCSB	In progress
UCSB-008-I-D	Discovery and Functional Characterization of Novel Fusion Enzymes Driving Biosilification in Diatoms	Ramya Ragunathan	UCSB	In progress
UCSB-009-I-D	Modern Analogues for Ancient Life: A Comparative Catalogue of Giant Bacteria Morphology	Gywnn Hernandez	UCSB	In progress
UCR-010-I-D	High-throughput determination of growth rates for Neurospora crassa knockout mutants cultured under different conditions, followed by hierarchical clustering analysis to identify genes in shared pathways	Monique Quinn	UCR	In progress
UCR-011-I-E	Establishing and Validating Automated Colony Picking for Open-Access Use	Zenan Xing, Gony Dvir	UCR	In progress
UCR-012-I-E	Phenotyping Rhodotorula spp. Tolerance to Heavy Metals for Bioremediation Applications	Christian Ona	UCR	In progress
UCSB-013-I-E	Initial Exploratory project_Multi-Omic and Functional Workflow Development for Biosynthetic Gene Cluster Discovery in Anaerobic Gut Fungi	Rafael Solorzano	UCSB	In progress
UCSB-014-I-D	Imaging Kleptoplastidic Organelle Uptake Modifications in Ciliates via Enhanced Subcellular Structure Visualization	Marcus Varni	UCSB	In progress
UCSB-015-I-D	Automating cell-free protein synthesis for screening biomolecular condensate-forming proteins from extreme microbes.	Natasha Jones	UCSB	In progress
UCSB-016-I-E	Initial Exploratory Project_Identifying Fungal EV Markers within Anaerobic Gut Fungi Extracellular Vesicle-Like Particles throughTargeted Proteomics	Artury Ramirez	UCSB	In progress
UCSB-017-I-D	Tracing 13C-Labelled Lignin Metabolites in Anaerobic Bacterial Communities via LC-MS	Vikram Mubayi	UCSB	In progress
UCSB-018-I-D	Spheroplasts Formation for Lignin-Digesting Anaerobic Gut Fungi	Sarah Seagrave	UCSB	In progress
UCSB-019-I-E	Initial Exploratory Project_Probing Metabolomic and Proteomic Biosignatures in Sulfolobus-Integrated Europa Ocean Vents Systems to Model Europa Clipper	Damara Saggio	CPP	In progress
UCSB-020-I-D	Development of Microfluidic Platforms for Investigating Extremophiles	Gaurav Agarwal	UCSB	In progress
UCSB-021-I-D	Build a method to overexpress oxygen-sensitive iron-sulfur proteins [FeFe]-hydrogenase and NADH dehydrogenase of anaerobic gut fungus Caecomyces churrovis	Bo Zhang	UCSB	In progress
UCSB-022-I-D	High-throughput discovery of longevity-promoting genes from known genes in long-lived organisms adapted to extreme environments	Kevin Valenzuela	UCSB	In progress

Project Number	Project Title	Researcher	Home Institution	Status
UCSB-023-I-E	Optimizing methods to characterize small polar organic molecules	Marianna Karagianr	UCSB	In progress
UCSB-025-E-F	High-Throughput Elicitation of Natural Product Biosynthesis in Cellulolytic Clos	Dr. Woolston	Northeastern University	In progress
UCSB-026-E-D	Identifying ferredoxin nicotinamide oxidoreductase (Fnor) enzymes for ethanol production by functional complementation in Thermoanaerobacterium saccharolyticum	Dr. Olson	Darthmouth College	In progress
UCSB-027-E-F	High-Throughput Optimization of Anaerobic Growth Conditions for the Model Halophile Haloferax volcanii	Dr. Foster	University of Florida	In progress
UCR-028-E-D	High-Throughput Screening of Environmental Microbiomes for Anaerobic Bacterial Lignin Degraders	Dr. Cress	UC Berkeley	In progress
UCR-029-E-D	Extreme osmotolerance in bacteria isolated from concrete	Dr. Maresca	SUNY	In progress
UCR-030-E-D	Decoding Bacterial Phenotypes Through Systematic Cultivation Design	Dr. Carini	University of Arizona	In progress
UCR-031-E-D	Determining Morphological Differences Associated with Phenotypic Instability in Biomanufacturing	Dr. Blenner	University of Delaware	In progress
UCR-032-E-E	High-throughput Plate-Based Imaging of ectomycorrhizal fungi Morphology	Dr. Perez	Stanford University	In progress
UCR-033-E-D	Developing and piloting high-throughput, solid-state Ganoderma growth and phenotyping methods for predictive modeling of mycelium biomaterials	Dr. Linzer	Open Fung	In progress
UCR-034-E-E	Method Development to Enable High-Throughput Discovery of Small Molecule Lanthanide Chelators from Methylobacterium	Dr. Aron	University of Denver	In progress
UCSB-035-E-D	Screening of Halophilic Bromoperoxidase Activity Using Automated Fluorescent Assay with LC-MS Validation	Dr. Rech	San Jose State Univeristy	In progress