

The Genomics Core serves the UCRiverside community, as well as other educational institutions (USDA, state botanic gardens, etc), public health department, and universities from around the country, by providing essential resources for researchers to further their study of genes and their products. The Core serves to provide access to essential instrumentation as well as technical expertise, allowing researchers to be highly effective, cost conscious, and efficiently obtain data. We strive to develop and maintain the highest quality and reliability of services by utilizing consistent sample processing techniques and analysis for Core provided services. Our Core provides specialized training on user-operated instruments and cutting-edge techniques, as well as consultation with staff during all stages of experiments. The Genomics Core works closely with the Bioinformatics Core to fully support the data generated from our sequencing services. We offer Sanger Sequencing, Illumina NextGen Sequencing, Illumina library preparation, Bioanalyzer analysis, Fragment Analyzer analysis, and other specialized library techniques. The Core also has instruments that are reservable for self-service use, such as Bio-Rad qPCR instruments, Nanodrop, Qubit, Typhoon Imager, Covaris Ultrasonicator, Luminometer, Blue Pippen, and Biorupter.