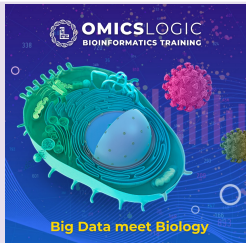
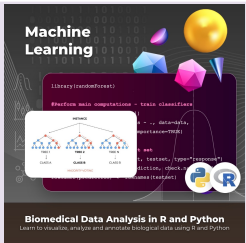
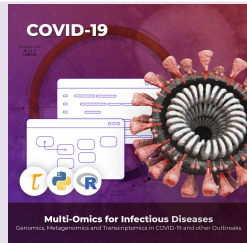
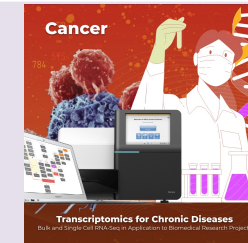



# 2022 LBRN Summer Bioinformatics Training Modules

(for undergraduate, graduate students, faculty and staff of LBRN Institutions)

The Louisiana Biomedical Research Network (LBRN) Summer Program is Supported by the Louisiana Board of Regents and NIH:NIGMS P20GM103424

Program					
	<b>Omics Logic Bioinformatics</b>	<b>Biomedical Data Analysis in R &amp; Python</b>	<b>Bioinformatics for Infectious Diseases</b>	<b>Transcriptomics for Chronic Diseases</b>	<b>Research Project</b>
<b>Duration (months)</b>	3	1	3	3	3
<b>Number of Students</b>	30	10	10	10	4
<b>Difficulty</b>	Beginner	Intermediate	Intermediate	Advanced	All Levels
<b>Description</b>	Getting Started with Bioinformatics	Learn to explore, visualize, and analyze biomedical -omics data using R and Python.	Learn about bioinformatics for COVID monitoring and multi-omics data in infectious disease research.	Master bulk and Single Cell RNA-seq methods used in chronic disease research like cancer.	Work on an independent bioinformatics research project with big data and technical support.