






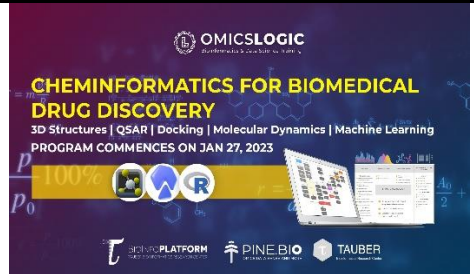

# Bioinformatics & Data Science Training for LSU & LBRN affiliates

**Live Orientation January 27, 2023, at 3 PM CST**

**Registration:**

<https://redcap.lbrn.lsu.edu/surveys/?s=HL3JR8DXEL>

Introduction to Multi-Omics	Biomedical Data Science in R	Machine Learning for Biomedical Data in Python
		
<b>BEGINNER</b>	<b>INTERMEDIATE</b>	<b>INTERMEDIATE</b>
<p>Introduction to methods for Genomics, Metagenomics, and Transcriptomics Data Analysis. Perform statistical tests, visualize and interact with data to extract biological insights. Practical Analysis, Visualization, and Biological Interpretation using a case study approach &amp; practical hands-on T-BiolInfo server.</p>	<p>Learn about data science in R, such as data wrangling, visualization, statistical analysis, and machine learning. The training will focus on importing &amp; understanding various data types, transforming them into categorical variables, and continuous data, and extracting meaningful patterns for visualization.</p>	<p>Learn about data science in Python, such as data wrangling, visualization, statistical analysis, &amp; machine learning. The training will focus on statistical techniques, dimensionality reduction, machine learning, data visualization techniques, deep learning, network analysis, and interactive visualization with Plotly.</p>

Cheminformatics for Biomedical Drug Discovery	Machine Learning for Health Informatics
	
<b>INTERMEDIATE</b>	<b>INTERMEDIATE</b>
<p>Learn from Industry experts and leaders about the advancements in cheminformatics and modern drug discovery pipeline (Alpha fold, Docking, Simulations, Projects) in this mentor-guided cheminformatics for biomedical drug discovery program.</p>	<p>To Learn and get trained by Industry experts and Case study-based approach to utilize medical informatics data (HER, Tests, Medical Scans) by applying Data Science and Machine learning to positively impact the patient-physician.</p>

Limited seats will be covered by LBRN or LSU School of Veterinary Sciences, pricing details and Program delivery and registration via GeneLab on OmicsLogic: <http://edu.omicslogic.com/lsu-biommed>



participation will be covered in a virtual orientation session on January 27, 2023, at 3 PM CST.

- ✓ Complete Assignments at Your PaceOnline
- ✓ Recorded Lectures and Written Courses!Integrated Online Environment for Practice and Research
- ✓ Online Chat and/or Email Assistance Q&A sessions with Experienced ProgramMentors
- ✓ Program Certificates from LSU and LBRN Upon Completion