LBRN LOGIC MODEL 2020-2025

P1: Maintain and expand the previously established state-wide infrastructure and intellectual research network supporting interdisciplinary biomedical research.

P2: Expand and improve the critical mass of biomedical investigators at PUI campuses through the support of mentored research, access to advanced equipment and expertise and enhanced communication.

P3: Increase undergraduate student interest for careers in biomedical research and Bioinformatics data analysis throughout Louisiana by providing summer and academic year research opportunities and Training Programs to all PUI institutions within the state.

P4: Evaluate, assess, and continuously monitor the progress within LBRN through detailed tracking of research accomplishments, Student and Faculty placements, the development of human resources, and productive collaborations among participating institutions.

Specific Aims	Inputs	Activities	Outputs	Output Collection	Outcome	Outcome Collection	Impact
P1		Workshops	Improve Comp. Biology training	Evaluation Questionnaire	Increased Comp. Biology Research		Enhanced research
		Computational Biology	Higher quality/quantity of proposals	Grant scores, proposal funding success	Increased funding success	Grant scores, proposal funding success	Increased number of research collaborations
		Grant Writing Training	Increased number of HPC training opportunities	BBCC	Improve Research Progress		
		HPC Training					

Specific Aims	Inputs	Activities	Outputs	Output Collection	Outcome	Outcome Collection	Impact
P1, P2	Technical Support	SeeVogh/IT Support	Increased number of HPC usage	BBCC	Increased number of meetings	Work with HPC for monitoring and reporting this	Increased number of QA sites
	Equipment	Statewide Consulting	Increased Course enrollments	Admin Core	Increased number of seminars	Admin Core	Increased number of Storage usage
		Quality Assurance	Increased number of SeeVogh nodes	Admin Core	Increased number of classes/courses	Admin Core	Increased number of research collaborations
		Storage	Amount of Stored recordings?	Admin Core	Increased number using SeeVogh server	Admin Core	Increased access to seminars/sessions via recordings missed by those who cannot attend in real time.
		LONI/HPC		BBCC	Increased computational techniques and research availability	MCBRC and BBCC	
					Better and greater communication and collaboration		

Specific Aims	Inputs	Activities	Outputs	Output Collection	Outcome	Outcome Collection	Impact
P3	Research Funding	Summer Research Program	Research Experience	Program Evaluation Questionnaire	Completion of Degree	Self reports - assessment	Increased number in Biomedical Career
	Mentors	Undergraduate students	Poster/Oral Presentation	Surf Poster Session, Annual Meeting, self reports	Presentation at national scientific meetings	Self reports - assessment	Increased number working in a research laboratory
	Research Support	Graduate students	Abstracts submitted	Self reports - assessment	Manuscripts accepted	Self reports - assessment	Increased number in graduate school
	Institutional Support	Faculty	Thesis/Dissertation	Self reports - assessment	Grants funded	Self reports - assessment	Increased number in medical school
	Core Support	Bioinformatics Training Modules	Manuscripts submitted	Self reports - assessment			Increased number in professional school
			Undergraduate researchers	List of participants			Increased number from MS to PhD degrees

Specific Aims	Inputs	Activities	Outputs	Output Collection	Outcome	Outcome Collection	Impact
P4	Research Funding	Research and Pilot Projects	Abstracts submitted	Quarterly progress reports and annual report	Presentation at national scientific meetings	Quarterly progress reports and annual report	Increased research activity
	Mentors	Assistance with research project	Manuscripts submitted	Quarterly progress reports and annual report	Invited Presentations	Quarterly progress reports and annual report	Increased number of graduate students moving on to other degrees/jobs
	Institutional Support	Assistance with proposal preparation	Grant proposals submitted	Quarterly progress reports and annual report	Manuscripts accepted	Quarterly progress reports and annual report	Increased number of undergraduate interested in research careers
	Other Funding		Graduate Students engaged in research	Quarterly progress reports and annual report	Grants funded	Quarterly progress reports and annual report	Increased Impact factor
	Core Support		Undergraduate researchers	Quarterly progress reports and annual report	Graduate degrees conferred	Quarterly progress reports and annual report	
			Release time	Annual Report	Completion of Degree	Quarterly progress reports and annual report	Faculty promoted to higher rank or new position within or outside the university
			Research infrastructure		Development of Intellectual Property	Quarterly progress reports and annual report	