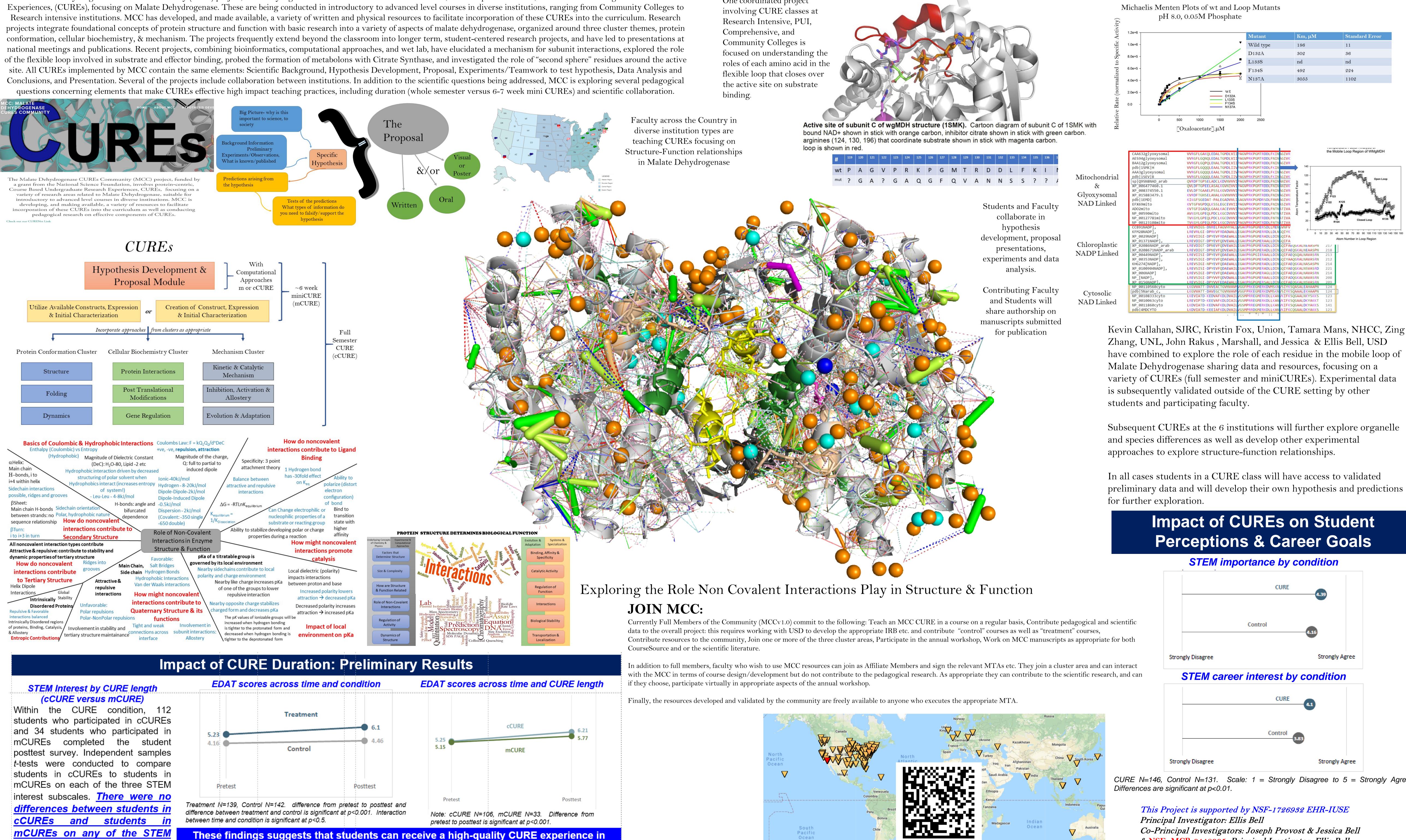
interest subscales.

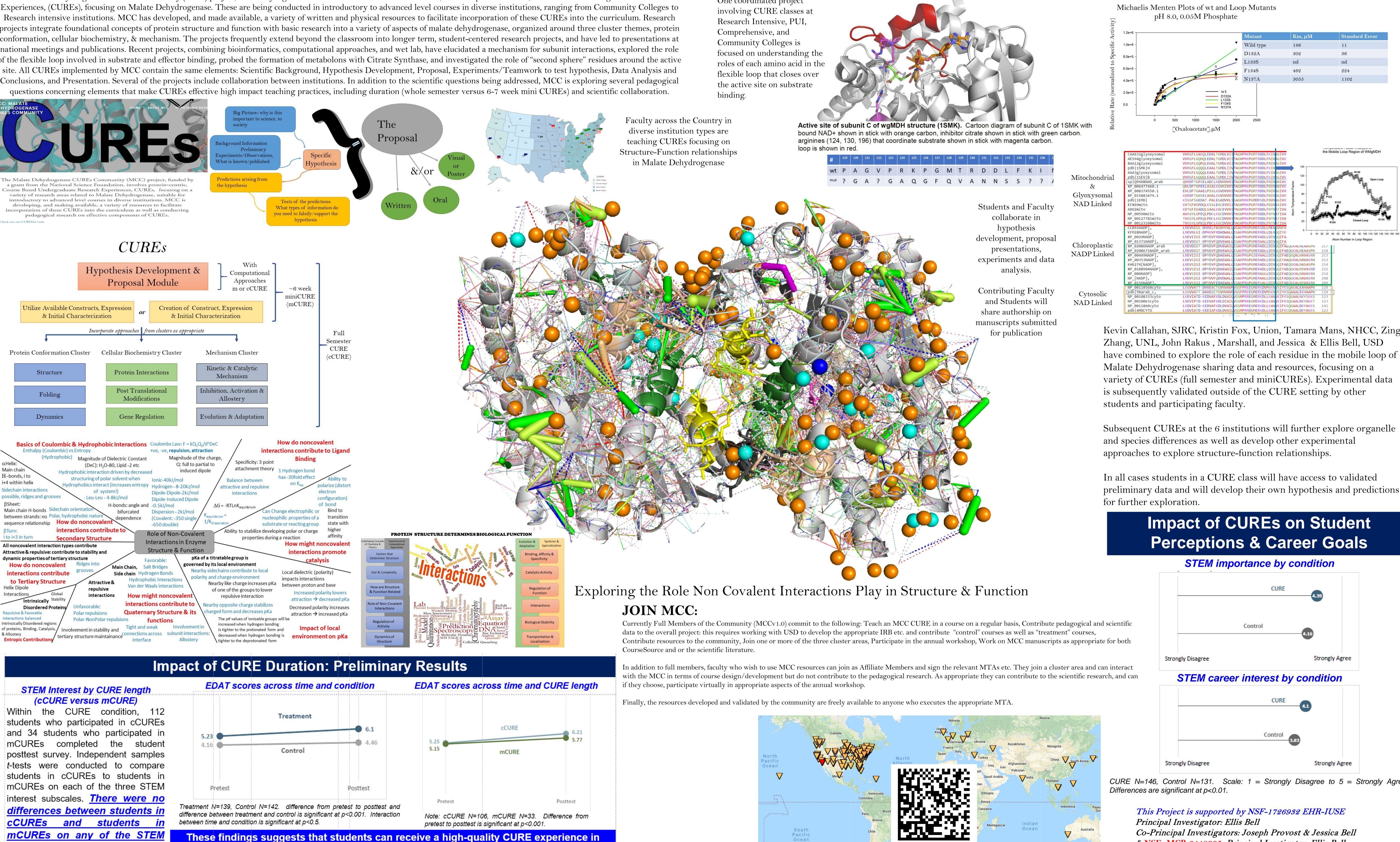




Visit the Project Web Page for More Details and Information about How to Participate

The Malate Dehydrogenase CUREs Community (MCC) project, funded by a grant from the National Science Foundation, involves protein-centric, Course-based Undergraduate Research Experiences, (CUREs), focusing on Malate Dehydrogenase. These are being conducted in introductory to advanced level courses in diverse institutions, ranging from Community Colleges to Research intensive institutions. MCC has developed, and made available, a variety of written and physical resources to facilitate incorporation of these CUREs into the curriculum. Research conformation, cellular biochemistry, & mechanism. The projects frequently extend beyond the classroom into longer term, student-centered research projects, and have led to presentations at site. All CUREs implemented by MCC contain the same elements: Scientific Background, Hypothesis Development, Proposal, Experiments/Teamwork to test hypothesis, Data Analysis and Conclusions, and Presentation. Several of the projects include collaboration between institutions. In addition to the scientific questions being addressed, MCC is exploring several pedagogical





These findings suggests that students can receive a high-quality CURE experience in either a full course or a more feasible, mini-CURE if time and/or resources are limited.

A Community Based CURE Project to Explore Structure-Function Relationships in Malate Dehydrogenase Jessica Bell, Joseph Provost & Ellis Bell **Department of Chemistry and Biochemistry** University of San Diego, San Diego, CA 92110

Abstract & Background

One coordinated project

View our NSF STEM4ALL 2019 Video Showcase Video about the Project.



Visit the Bell Labs Web Site

	STEM importai	nce by condition
		CURE
gogical and scientific ' courses, appropriate for both	Cont	4.16
area and can interact ntific research, and can	Strongly Disagree	Strongly Agree
		CURE 4.1
		Control 3.83
South Korea	Strongly Disagree	Strongly Agree

& NSF -MCB-0448905: Principal Ivestigator: Ellis Bell