**Introduction:**

In 1984, Drs. Hanne and Kirk, from the Departments of Biology and Chemistry respectively, established a research group with five undergraduate student participants. They chose a research project that would be multidisciplinary and would accommodate the interests of microbiology, cell and molecular biology, and biochemistry students. In addition to laboratory time, students were required to attend weekly research group meetings to discuss research progress, present scientific papers, or listen to a workshop on research techniques …………

Today, the Microbial Biochemistry Group at Chico State continues to be composed of faculty and students from the Department of Biology and the Department of Chemistry and Biochemistry that share a common passion: investigating the physiology and biochemistry of microorganisms. We believe our group provides a unique forum for multidisciplinary research education and also fosters faculty-student and faculty-faculty interactions that might not otherwise occur. Please click on any of the links below to learn more about our ongoing research projects in greater detail.

**Dr. Dan Clark:** Pathways & enzymology of alkene metabolism and related cofactor biosynthesis  
**Dr. Dan Edwards:** Characterization of novel bioactive natural products; enzymology of cyanobacterial natural product biosynthesis  
**Dr. Larry Hanne & Dr. Larry Kirk:** Bacteriophage-soil microbe interactions; phage enzyme biochemistry and applications  
**Dr. Andrea White:** Physiology and genetics of reduced phosphorus metabolism  
**Dr. Gordon Wolfe:** Chemical signaling and defense among marine protists; molecular ecology and lipid biology of marine algae

**Group Photos:**  
**Spring 2007**

**Back Row (L to R):** Brandon Russell, Steve Anglin, Dr. Larry Kirk, Chris Plewik, Allen Mull, Kevin Parsons, Mike Heberle  
**Middle Row (L to R):** Chris Broberg, Lindsay Maheu, Kaushilaya Tillarakathna, Dr. Andrea White, Dr. Dan Edwards, Ashley Worth, Bill Erlansen  
**Front Row (L to R):** Dr. Dan Clark, Tom Harrison, Erik Fostvedt, Dr. Larry Hanne  
**Not Shown:** Dr. Gordon Wolfe and Deepika Nayyar