

JEFFREY S. LENGYEL

Cambridge Scholar 2002

Degree: University of California at Davis: B.S., Biochemistry, 2001

Research Area: Biochemistry



A summa cum laude graduate of the University of California at Davis, Jeffrey Lengyel also received such honors as departmental citations for biochemistry, induction into the Golden Key, Phi Kappa Phi, and Phi Sigma National Honor Societies, and was elected co-president of the Molecular and Cellular Biology club. During his career at UC Davis, Jeffrey worked for two years in the laboratory of Dr. Ronald Baskin on new technologies to analyze single molecules. He was a Howard Hughes undergraduate research fellow through the Summer Honors Advanced Research Program (SHARP). When not in the lab Jeffrey, a southern California native, enjoys playing soccer, going to the cinema, and rowing in the May Bumps for his Cambridge college. As a Cambridge Scholar Jeff is using advanced techniques in cryo-electron microscopy to study the pyruvate dehydrogenase complex from *B. Stearotherophilus* in addition to other biochemical and biophysical methodologies with mentors Sriram Subramaniam and Richard Perham. Jeffrey states: "I would like to use cryo-electron microscopy to study the structure and dynamics of large megaDalton macromolecular assemblies, in addition to using NMR and x-crystallographic techniques, in an attempt to further understand the biochemistry of cellular machines."