

EXECUTIVE SUMMARY [NON-CONFIDENTIAL, NON-TECHNICAL ABSTRACT FOR PUBLIC INFORMATION OR PROGRAM PROMOTION]: State in layman's terms the application's broad, long-term objectives and specific aims, making reference to the potential public benefits of the project relevant to California. Do not include proprietary or confidential information. This may be distributed before the funding decision has been finalized.

The success of this project will mean the discovery of a new class of anti-tumor agents. These compounds will provide a number of important contributions to the area. First, we will be able to study the interactions between the Holliday Junction (HJ) and the most potent compounds using co-crystal structures. In addition, we will be able to elucidate the solution structure of the compounds via NMR, and thus use this to design small molecule inhibitors of HJs.