

Figures/Preliminary Results

This is an initial application for preparation for a sabbatical during the 2023-2024 academic year. The structures of all the target proteins without bound RNA have previously been solved using X-ray crystallography by our lab or other labs. Published methods are available for recombinant expression and purification of the target proteins in sufficient quantities for Cryo-EM, and the RNA oligonucleotides can be synthesized. We will be obtaining additional preliminary results in preparation for the proposed Cryo-EM training and experiments during 2022-2023.