

# Possible BSc and MSc Projects (Kristoffersen lab)

1. Evolution, optimization, and structural investigation of 3'-end ligating ribozyme.

Techniques: Library design, In vitro evolution, gel electrophoresis and cryo EM.

2. Evolution of chemically modified ribozymes for self-circularization

Techniques: Library design, In vitro evolution, chemically modified nucleic acid polymerization.

3. Thiolation of nucleic acids for improved reactivity

Techniques: Organic chemistry, Library design, In vitro evolution, Chemically modified nucleic acid polymerization, ribozymes.