Optogenetic Tool to Control Kinase Signaling

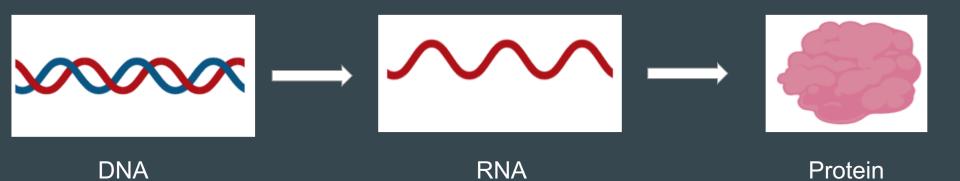
Erfan Zeyaei, Ryan Lach Max Wilson Lab The Department of Molecular, Cellular, and Developmental Biology

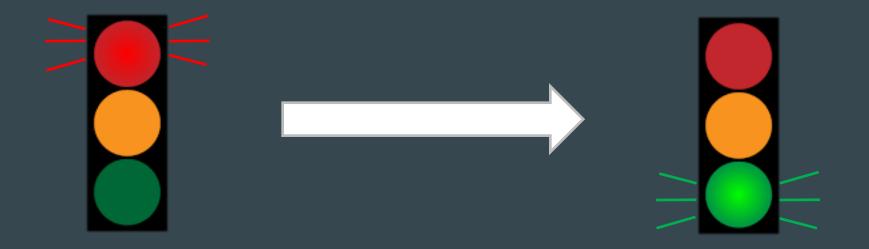


RESEARCH SCHOLARS

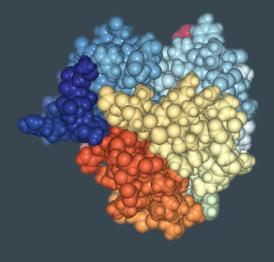




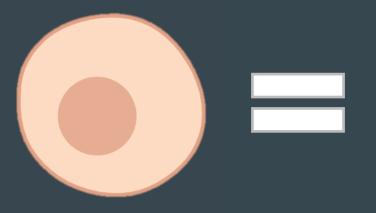








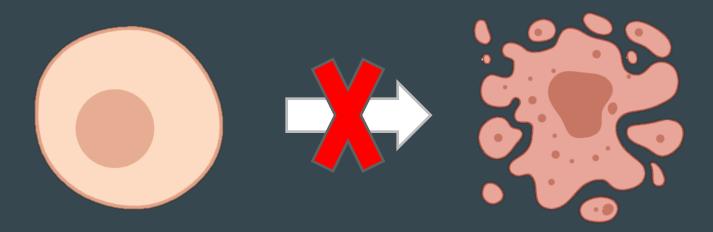






Normal Cell

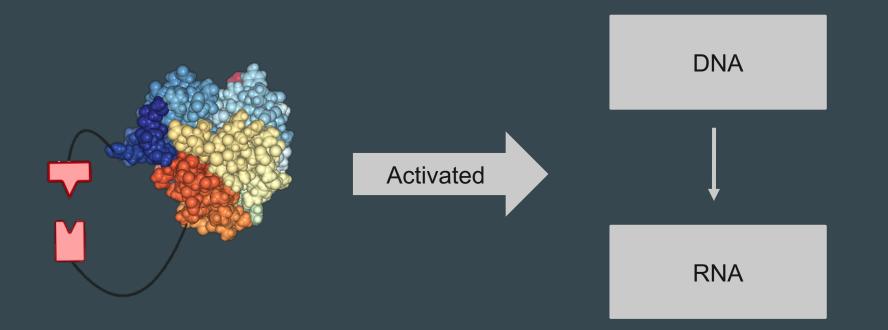


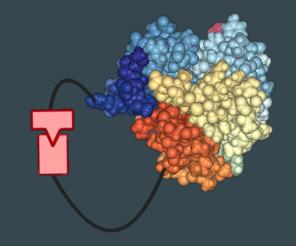


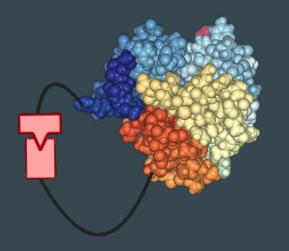
Normal Cell

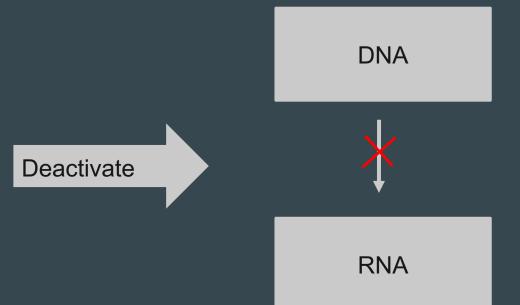
Cancerous Cell

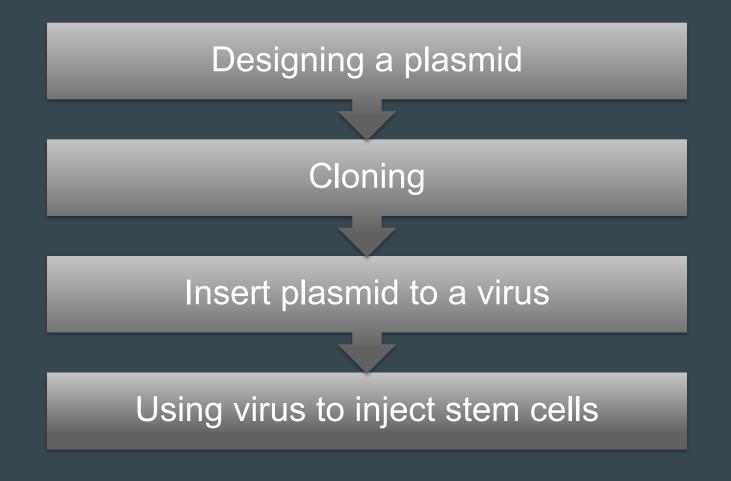


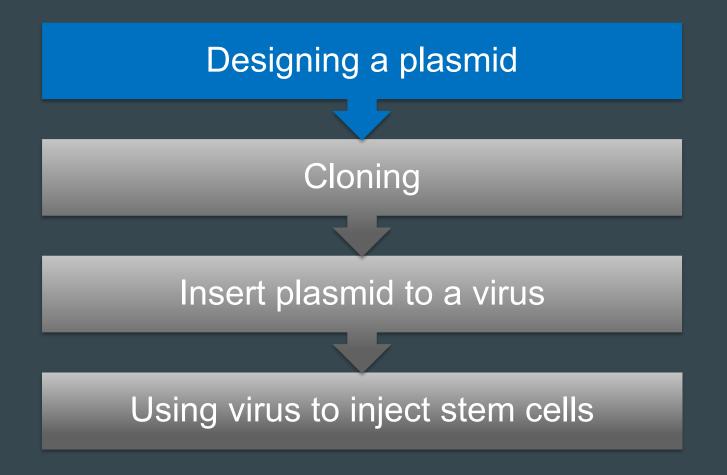




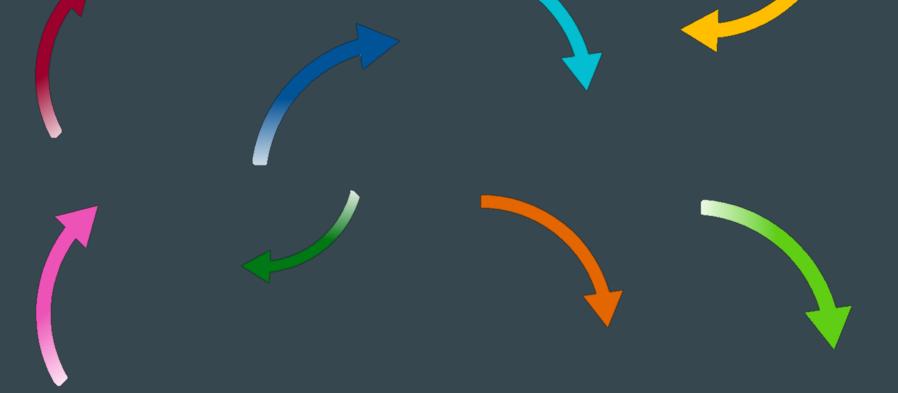




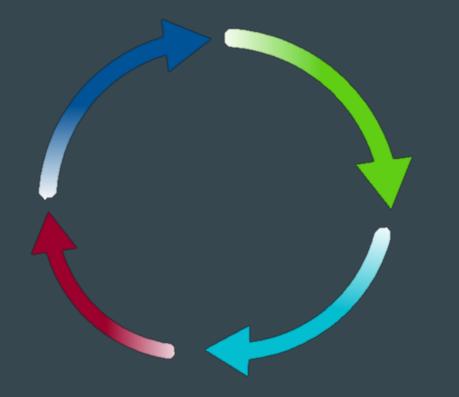




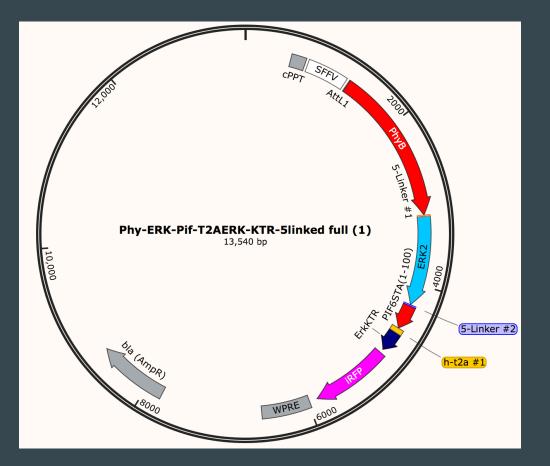
Designing a plasmid

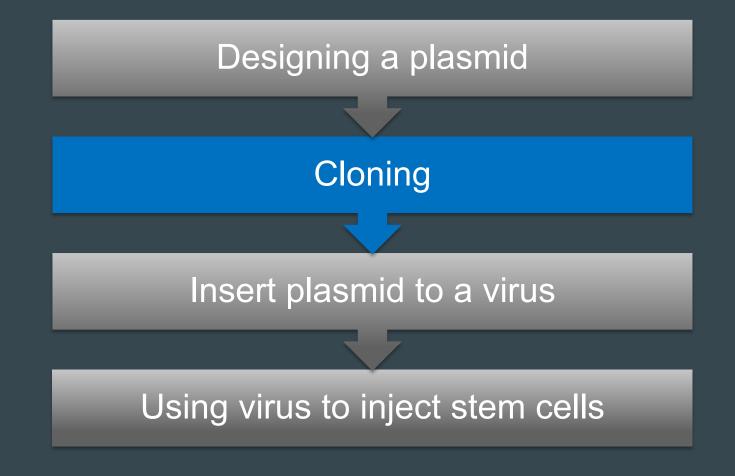


Designing a plasmid



Designing a plasmid



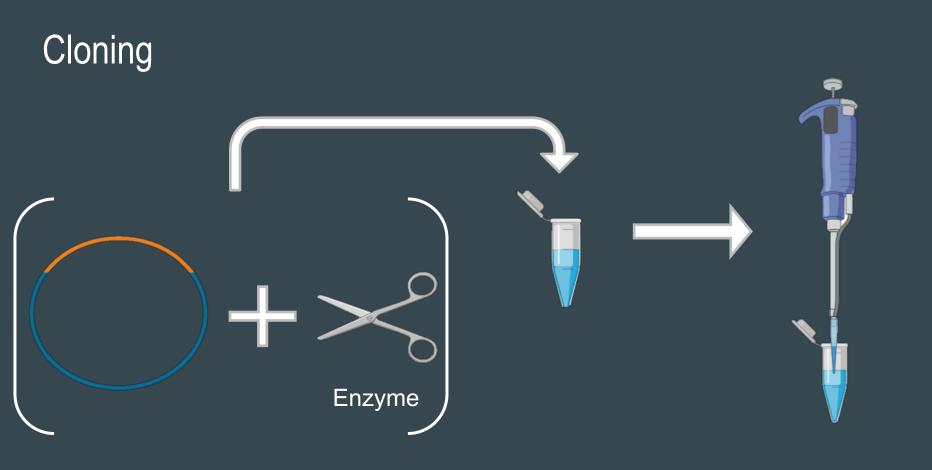




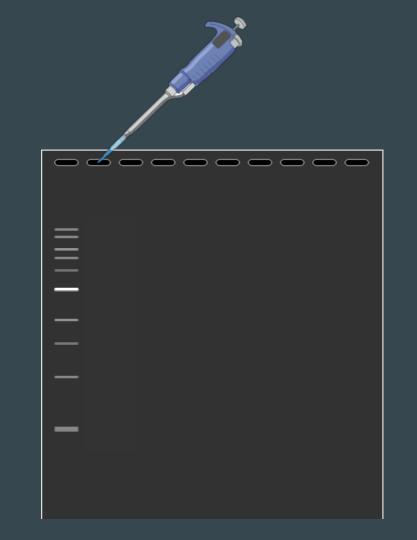




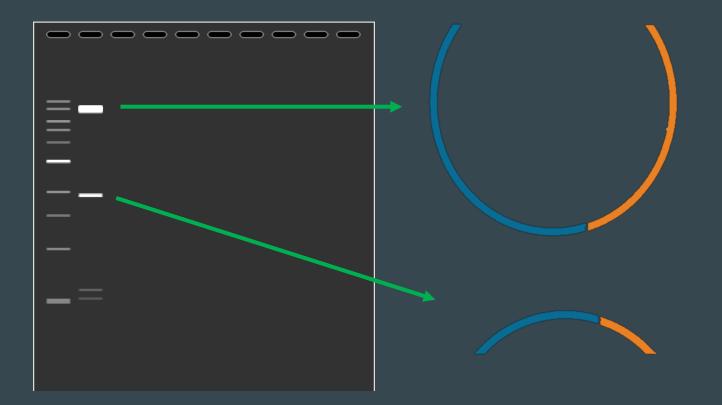






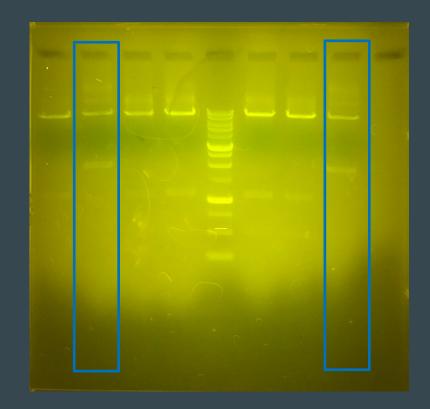




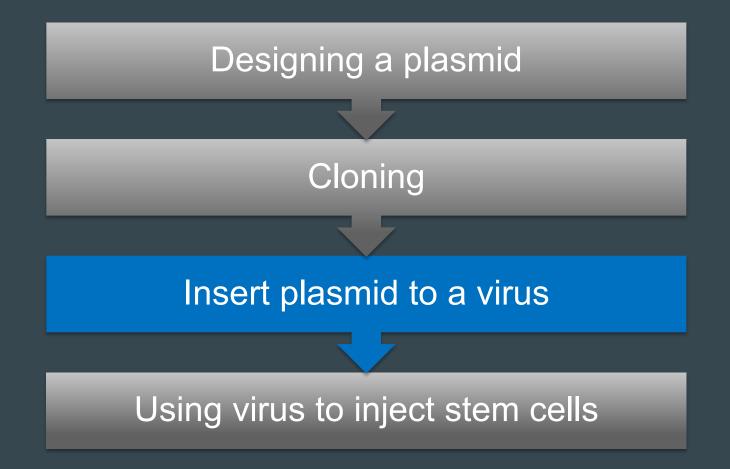




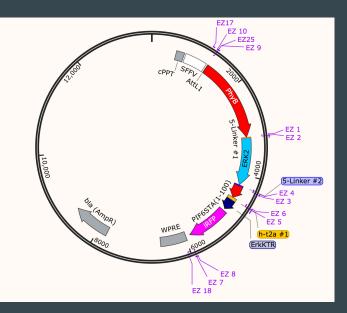


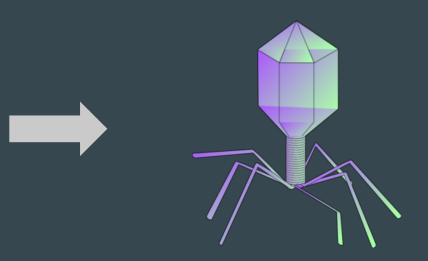






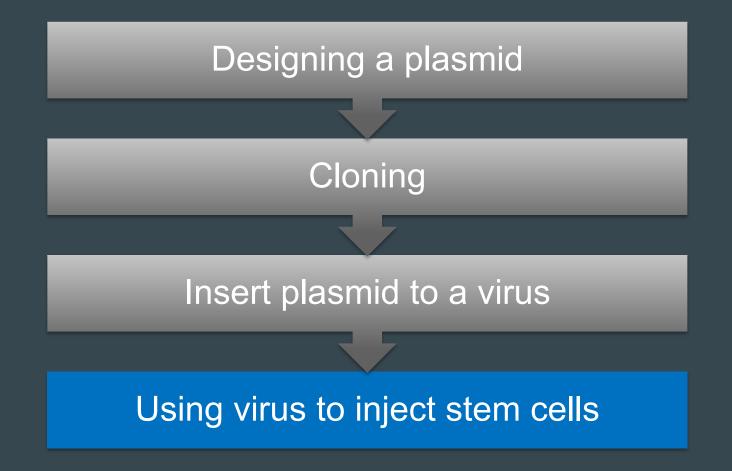
Transformation of plasmid to a virus



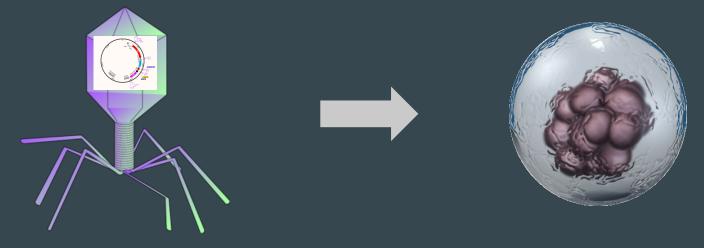


Virus

Plasmid



Using virus to inject stem cells

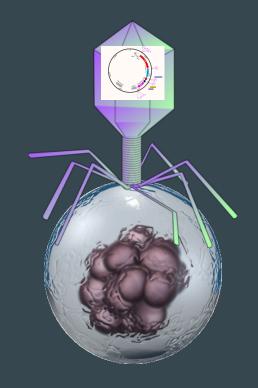


Stem Cell

Virus

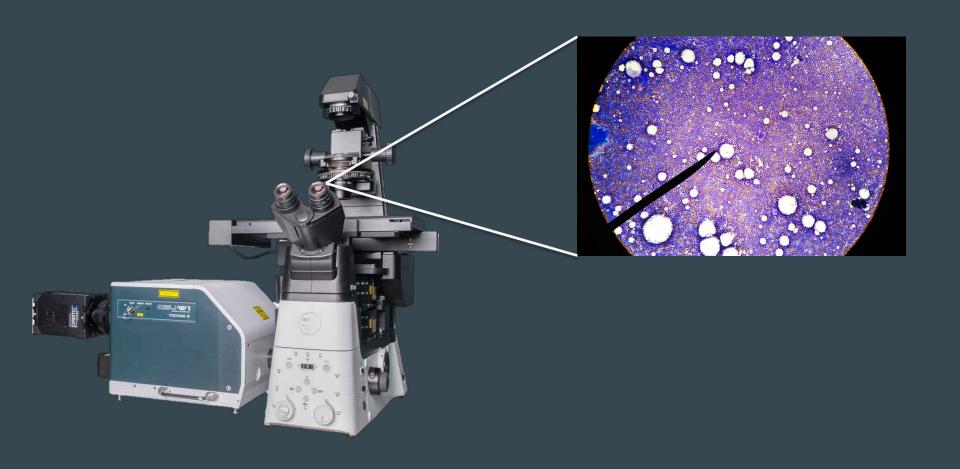
Using virus to inject stem cells

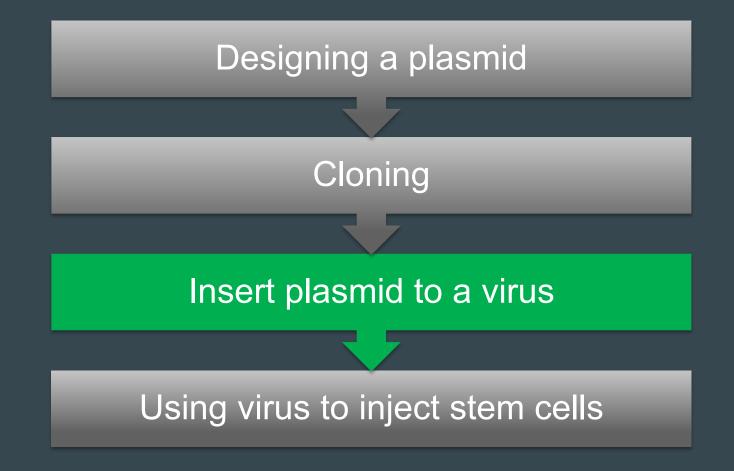




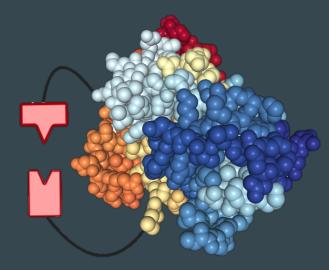
Virus

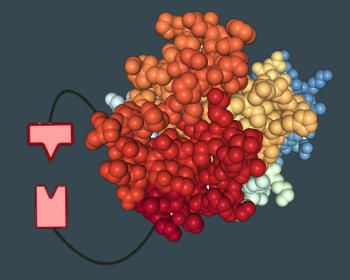






Next Step



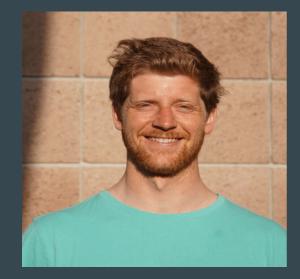


RAF

MEK

Max Wilson Lab at UC Santa Barbara





Max Wilson principal investigator Ryan Lach Graduate Mentor

Wilson Lab

