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Fusobacterium nucleatum Enoyl-ACP Reductase II (FabK):
A Narrow-Spectrum Drug Target

Jacob Rutherford is a 5th year PhD candidate in the lab of Dr. Julian Hurdle at Texas A&M University's Institute of Biosciences and Technology. He received his Bachelor of Science in Microbiology from North Carolina State University in 2017. He worked at the Plum Island Animal Disease Center as an ORISE fellow for a year, before joining the PhD program at the IBT in 2019. His graduate work investigates the enoyl-ACP reductase, FabK, as a narrow-spectrum drug target; validating FabK as a target in *Fusobacterium nucleatum* and utilizes high-throughput screening to identify novel inhibitors of FabK.