Gene Therapies for Duchenne Muscular Dystrophy
The Abigail Wexner Research Institute at Nationwide Children’s Hospital

Dates: May 1st – July 31st 2019

Biggest parts of budget: rent and utilities, food expenses, transportation

Learning Outcomes
Trained and practiced multiple laboratory techniques, such as PCR, cell culture, and staining. Working in a lab full time, collaborating with colleagues. Learning the difficulties and frustrations of working in a laboratory setting, and how to handle failure. Reflecting on whether to pursue research in my future.

Description
I spent the summer doing research in Dr. Paul Martin’s lab in the Center for Gene Therapy. While I worked on multiple projects, I spend most of my time on our canine gene therapy for Duchenne Muscular Dystrophy.

Highlights
The environment at Nationwide Children’s Hospital itself was so important for my summer! I was able to attend talks by many different researchers at the Research Institute as well as by physicians at weekly Pediatric Grand Rounds. I was also able to shadow a physician at the Neuromuscular Clinic.

rAAVrh74.MCK.GALGT2 Demonstrates Safety and Widespread Muscle Glycosylation after Intravenous Delivery in C57BL/6J Mice

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