# Instructions

Explain why the sponsor, co-sponsor (if any), and institution were selected to accomplish the research training goals

# Selection of sponsor and institution

Dr. Justin Kinney is an expert in using massively parallel assays and modeling to interrogate the mechanisms of biochemical processes. His lab has experience applying these methods to the study of splicing.

In addition to Dr. Kinney’s person expertise in these matters, he has established collaborations with specific subject matter experts. These collaborations include an active collaboration with Dr. Adrian Krainer to study the mechanisms of splicing. Dr. Krainer has deep expertise in the field of splicing starting from his early work discovering **EARLY DISCOVERY** in **YEAR** and continuing through his more recent work leading to the invention of Spinraza the first clinically approved splice switching antisense oligonucleotide therapeutic in **YEAR**. The location of the Krainer lab in the same building as the Kinney lab and the established collaboration ensure that I can easily access the splicing expertise of the Krainer lab. This close collaboration and sharing of expertise makes the Kinney lab a perfect location to study splicing.

In addition to collaboration with the Krainer lab to study splicing, Dr. Kinney also has an established collaboration with Dr. Peter Koo to develop methods for applying deep neural networks to genomics and for interpreting such networks.

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