

Illuminating the Druggable Genome

Requesting approval to reissue RFA-RM-18-021

“Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases (R03 Clinical Trial Not Allowed)”.



Illuminating the Druggable Genome – Goal

Catalyze research in areas of biology that are currently understudied but that have high potential to impact human health by:

1. Identifying biochemical, cellular, or animal model phenotypes for understudied proteins from druggable gene families
2. Enabling further investigation of those proteins by providing reagents and tools
3. Generating, maintaining, and facilitating the use of a minable knowledge base.



Reissue: Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases (R03)

- Support the generation of preliminary data and tools around IDG-eligible understudied proteins, and/or validate and demonstrate the utility of IDG reagents, data and approaches.
- Elucidate the function of these proteins in the context of human disease and obtain sufficient preliminary/validation data for subsequent R01 applications or drug discovery projects.
- Data collected by these projects will enhance the overall goals of the IDG Program by demonstrating the quality and utility of IDG-generated data and reagents, increasing awareness of the IDG Program through use of IDG-generated resources, and extending the characterization of IDG-eligible proteins.



Reissue Details

- Focus IDG-identified understudied proteins from non-olfactory GPCR, ion channel, and kinase families
- Funds available \$1.75M
- Number of awards anticipated 9-11
- Award budget \$100K direct costs
- Award project period 1 year

