Notice of Special Interest (NOSI): Stimulating Research to Understand and Address Fragile and Rare Genetic Disorders

NOT-OD-22-100
NOT-OD-22-101

Key Dates

Release Date:	June 21, 2022
First Available Due Date:	October 30, 2022
Expiration Date:	November 30, 2024

Related Announcements

- PA-20-185 - NIH Research Project Grant (R01) Clinical Trial Not Allowed
- PA-20-186 - NIH Research Project Grant (R01) Clinical Trial Not Allowed
- PA-20-187 - Exploratory Research Grant (R21) Clinical Trial Not Allowed
- PA-20-188 - NIH Exploratory/Developmental Research Grant Program (R21) Clinical Trial Not Allowed
- NOT-OD-20-160 - Identifying Innovation Mechanisms in Interventions That Target Multimorbidity and Its Consequences (R01 Clinical Trial Optional)
- NOT-OD-20-161 - Identifying Innovation Mechanisms in Interventions That Target Multimorbidity through Effective Interventions (R01 Clinical Trial Optional)
- NOT-OD-20-162 - International Research Scientist Development Award (K99/R00) Independent Clinical Trial Not Allowed
- NOT-OD-20-163 - Research Scientist Development Award (K01) Independent Clinical Trial Not Allowed
- NOT-OD-21-183 - Notice of Intent to Develop Mechanistic Research Centers to Advance Rigor and Reproducibility (U54 Clinical Trial Optional)
- NOT-OD-21-184 - Clinical Trials to Test the Effectiveness of Treatments, Prevention, and Services Interventions (R01 Clinical Trial Required)
- NOT-OD-21-185 - Clinical Trials to Test the Effectiveness of Treatments, Prevention, and Services Interventions (R21 Clinical Trial Required)
- NOT-OD-21-186 - Clinical Trials to Test the Effectiveness of Treatments, Prevention, and Services Interventions (R34 Clinical Trial Required)
- NOT-OD-21-187 - Early Stage Testing of Pharmacology or Clinical Impact Interventions for the Treatment of Mental Disorders (R01 Clinical Trial Optional)
- NOT-OD-21-188 - Early Stage Testing of Pharmacology or Clinical Impact Interventions for the Treatment of Mental Disorders (R21 Clinical Trial Optional)
- NOT-OD-21-189 - Clinical Trial Planning and Implementation Cooperative Agreement (U01 Clinical Trial Optional)
- NOT-OD-21-190 - Adaptive R01 to Control Control and Population Outcomes (R01 Clinical Trial Optional)
- NOT-OD-21-191 - Adaptive R21 to Control Control and Population Outcomes (R21 Clinical Trial Optional)
- NOT-OD-21-192 - Emerging Global Leaders Award (K43) Independent Clinical Trial Not Allowed
- NOT-OD-21-193 - Innovative Mental Health Services Research Not Involving Clinical Trials (R01 Clinical Trial Not Allowed)
- NOT-OD-21-194 - Exploratory Grants to Develop Clinical Trials (R21 Clinical Trial Optional)
- NOT-OD-21-195 - Data and Protocols Factors of Mental Health and Family Level Interventions (R01 Clinical Trial Optional)
- NOT-OD-21-196 - Data and Protocols Factors of Mental Health and Family Level Interventions (R21 Clinical Trial Optional)
- NOT-OD-21-198 - Emerging Global Leader Award (K43) Independent Clinical Trial Not Allowed
- NOT-OD-21-199 - Innovative Mental Health Services Research Not Involving Clinical Trials (R21 Clinical Trial Not Allowed)

Issued by

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Purpose

All applications to the funding opportunities announced in this Notice of Interest (NOI) must address research and the mechanisms of human biology as a foundation for understanding fragile and rare genetic disorders.

Fragile and rare genetic disorders are characterized by a relatively small number of affected individuals, and by a lack of understanding of the underlying biology. Although these disorders are individually rare, they are collectively common and have a significant impact on the health and well-being of many individuals and their families. Research on these disorders has the potential to provide insights into the mechanisms of human biology and disease, and to inform the development of new treatments and cures. Research on these disorders also has the potential to inform research on more common disorders, including those with complex genetic etiologies.

Background

Fragile or rare genetic disorders, or lack of etiologies, factors, and underlying biology, are a barrier to strength attributes, contrary to human or animal biology, and to understanding the underlying biology of these disorders. Research on these disorders has the potential to provide insights into the mechanisms of human biology and disease, and to inform the development of new treatments and cures. Research on these disorders also has the potential to inform research on more common disorders, including those with complex genetic etiologies.

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