

ICARE Member Reports

- National Institutes of Health/National Institute of Neurological Disorders and Stroke
- NIH Mission: NIH is the steward of medical and behavioral research for the Nation. Its mission is science in pursuit of fundamental knowledge about the nature and behavior of living systems and the application of that knowledge to extend healthy life and reduce the burdens of illness and disability

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- Major topics of interest in epilepsy research
 - Basic neuroscience
 - Epileptogenesis (injury, infancy/childhood, elderly, etc)
 - Genetics of the epilepsies
 - Seizure onset and propagation
 - Seizure localization/detection/prediction
 - Tools for diagnosis: imaging, EEG
 - Biomarkers of risk, drug response and AEs, progression, etc.
 - Epidemiology and natural history studies (esp. comorbidities)
 - Developing new treatments – translational research
 - Phase I – III clinical trials and CE research

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- Types of research support
 - Research grants and supplements
 - Cooperative agreements
 - Contracts
 - Training grants
 - Conference grants

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- Resources available for shared use or other opportunities for collaboration
 - NIH Common Fund: Cross-cutting, trans-NIH research programs
 - Clinical Translational Science Awards
 - Science of Behavior Change - **NEW**
 - Global Health - **NEW**
 - Regulatory Science - **NEW**
 - NIH Blueprint: 16 NIH Institutes and Centers
 - Grand Challenges:
 - The Human Connectome
 - Pain
 - New Drugs for Diseases and Disorders of the Nervous System - **NEW**
 - Training Programs:
 - Translational Research
 - Neurobiology of Disease

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- Resources available for shared use or other opportunities for collaboration
 - NHLBI, NIDDK, NIAMS, NIAID, NINDS
 - Ancillary Studies to Ongoing Clinical Projects
 - NINDS:
 - Anticonvulsant Screening Program
 - DNA Repository
 - Epilepsy CDEs - [NEW](#)
 - NeuroMAb
 - NCRR:
 - Biomedical Technology Research Centers,
 - Biomedical Informatics Research Networks
 - FIC
 - Brain Disorders in the Developing World Program

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- Priorities for future activities
 - Epilepsies EUREKA – *Applications due August 2010*
 - Cooperative Program for Translational Research in Resistant Epilepsy and Epileptogenesis – *Standard receipt dates (June, Oct, Feb)*
 - Epilepsy Centers without Walls Program – *In progress*
 - Workshop on Human Genetics – Summer 2010
 - Workshop on Animal Models of Resistant Epilepsy and Epileptogenesis
 - Center Without Walls Planning Grants - SUDEP