

LGS FOUNDATION

LENNOX-GASTAUT SYNDROME



Request for Applications (RFA) The 2021 LGS Foundation Research Award

The **LGS Foundation Research Award** provides funding for young and established investigators, physician residents, and clinicians who seek to advance our understanding of Lennox-Gastaut Syndrome (LGS).

LGS is a rare disease and severe epileptic encephalopathy that evolves from pediatric-onset, uncontrolled seizures. Children with LGS experience refractory seizures (tonic seizures are nearly always present, status epilepticus, non-convulsive status and cluster seizures are common), slow spike-wave (SSW) and generalized paroxysmal fast activity (GPFA) on EEG, and eventual developmental delay and intellectual disability. All have LGS secondary to some etiology and etiologies include congenital structural abnormalities, brain injury, infections, genetic/genomic mutations (more than 100 genes predispose to developing LGS), metabolic disorders, and autoimmune factors. Current treatments exist to treat the seizures associated with LGS but more than 85% of those with LGS continue to have seizures into adulthood. Treatments to address the unique EEG features seen in LGS do not currently exist.

The LGS Foundation funds research grants to answer questions related to the underlying biology, clinical aspects, therapies, causes of LGS, and evolution of uncontrolled seizures into LGS. Grant recipients are asked to give a presentation at the LGS Foundation's annual research meeting at the American Epilepsy Society the following year to discuss their work. The LGS Foundation does not require an LOI, however, we will evaluate LOI's from investigators prior to submission of a full application.

Areas of Interest:

- Evolution of LGS from intractable seizures to EEG abnormalities and potential interventions
- Evolution of tonic seizure in LGS and potential interventions
- Evolution of multiple seizure types in young children, which may lead to future LGS
- Understanding convulsive/non-convulsive status epilepticus and cluster seizures in LGS
- Causes of LGS and increasing our understanding of the underlying biology of the etiologies
- Therapies to prevent or treat Lennox-Gastaut Syndrome
- Quality of Life for individuals living with LGS and their families
- Epidemiology and better data collection/management of data from individuals with LGS

Budget: Requests may be made for up to \$30,000 for one year, or \$50,000 for two-year projects. Indirect costs are not supported.

2021 FUNDING PROGRAM

	Dates
Program Opens	February 1, 2021
Full Applications Due	June 1, 2021
Award Announcement	August 16, 2021
Anticipated Project Start Date	October 1, 2021

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Application Instructions:

Applications must be submitted by the deadline to info@LGSfoundation.org and must include the following.

- 1) Title Page: Enter proposal title and PI information.
- 2) Abstract: Provide a lay summary and a scientific summary of the project.
- 3) Budget Period Detail: Provide a detailed budget and justification. All expenses must be U.S. dollars.
- 4) Proposal (NIH format is acceptable)
- 5) Biosketch for each PI
- 6) Letters of support or collaboration as relevant

Inquiries: Questions regarding these guidelines are welcome and should be directed to Tracy Dixon-Salazar at Tracy@LGSfoundation.org.