

KAT6 Foundation Grant Application Form

KAT6A and KAT6B genetic variations are chromatin disorders that disrupt histone acetylation, altering gene expression crucial for development. Mutations in these genes lead to developmental delays, intellectual disabilities, and characteristic physical features, underscoring their role in growth and neurodevelopment.

The **KAT6 Foundation** aims to support individuals and their families who are living with KAT6A and KAT6B syndromes around the world. The KAT6 Foundation proudly funds and supports international research by connecting families to research studies.

This call for proposals invites research across basic and translational sciences aimed at improving outcomes for individuals with KAT6A or KAT6B gene variations. The foundation has historically funded individual research projects in the range of \$10,000 and \$50,000 annually. If you are interested in submitting a proposal outside of this range, please contact the foundation at kat6a@yahoo.com.

The KAT6 Foundation welcomes applications for research that focus on any aspect of KAT6A or KAT6B syndromes.

2024 - 2025 Priority Areas***

- Fundamental and pre-clinical research
 - Structure of KAT6A or KAT6B proteins
 - KAT6A or KAT6B gene expressions
 - KAT6A or KAT6B epigenetic signatures
 - Metabolomics
 - KAT6A or KAT6B disease modeling using iPSC
 - Basic science addressing a specific gap in the current KAT6A or KAT6B research profile
- Study of KAT6A and KAT6B phenotype
 - Cognitive profile of children with KAT6A or KAT6B gene variations
 - Speech and language pathways in individuals with KAT6A or KAT6B gene variations
 - Gastrointestinal dysfunction in children with KAT6A and KAT6B gene variations.
 - Neuromuscular research in KAT6A and KAT6B gene variations.
- Translational research and drug discovery
 - Research leading to therapies to improve neurodevelopmental outcomes in individuals with KAT6A or KAT6B gene variations
 - Development of therapeutic approaches with a curative intent

***Applicants are encouraged to demonstrate inter-institutional collaboration and a strong focus on patient-centered research in the research proposal.

**Grant winners will have the opportunity to present their work at the KAT6 Foundation’s Annual Meeting. Travel, meeting registration, and accommodation will be sponsored by the Foundation

Applications are due by 11:59 PM (US,EST) on February 28, 2025

Guidelines

- The application must clearly demonstrate that the objectives and intended outcome(s) of the proposal are aligned with the KAT6 Foundation’s mission.
- Target your proposal to a lay scientific audience. Primary review will be by the board and scientific advisory committee of the KAT6 Foundation which consist of many parent advocates.
- In simple language pitch your project idea - what it is, why does it matter, what impact will it have on our knowledge about KAT6A or KAT6B gene variations and how is your team best placed to lead this work?
- *Scientific Rigor, Investigator Expertise, and Collaboration:* The committee will evaluate the proposal’s scientific rigor and relevance, along with the academic and professional track record of the investigator team, including publications, prior research impact, and field experience. Proposals demonstrating strong collaboration across researchers and institutions to enhance expertise will be prioritized.

Proposal Evaluation Criteria	
Technical Merit of Proposed Research	70%
Qualifications of Investigators	15%
Degree of Collaboration between Investigators or Institutions	15%

Applicants must use the template provided on pages 3–9. Please email the completed application and the chief investigator’s CV to kat6a@yahoo.com

Project Title:

Chief Investigator:

(Include Title, Degree, Phone and e-mail contact information, and host institution details)

Other Key Personnel:

(Name and affiliations of other key personnel who will be involved in the research project. State each study personnel role on the project (e.g., Investigator, Postdoctoral Fellow, Collaborator)

ABSTRACT AND SUMMARY OF PROPOSED RESEARCH *(limit 350 words)*

Description of abstract and summary should be understood by a wide lay audience of stakeholders including donors and families, as well as the general public.

SPECIFIC AIMS AND HYPOTHESES (*limit 1 page*)

BACKGROUND, SIGNIFICANCE AND PRELIMINARY DATA (*limit 3 pages*)

RESEARCH PLAN AND METHODS *(limit 5 pages)*

For each aim indicate:

1. Rationale
completion

2. Experimental Design

3. Expected and Alternative Outcomes

4. Timeframe for

Potential Impact on KAT6A or KAT6B Research and/or on the care/treatment of those with KAT6A or KAT6B syndromes (*provide up to two paragraphs*)

Cited References (Maximum 25 references)

BUDGET PROPOSAL **			
Description	Amount (US \$\$) Year 1	Amount (US \$\$) Year 2	Amount (US \$\$) Year 3
Personnel			
1			
2			
3			
Consumables			
4			
5			
6			
7			
8			
9			
10			
11			
12			
Total Expenses			

** If you have an alternative budget template, please submit it in place of this template