



REQUEST FOR PROPOSALS 2023 RESEARCH GRANT PROGRAM

SATB2-associated syndrome (SAS), previously described as Glass syndrome or 2q33.1 syndrome, is a recently recognized rare neurogenetic disorder with approximately 750 known cases worldwide. The main clinical features of SAS include global developmental delay with absent or limited speech development (speech apraxia), cleft or high-arched palate, impairment of gross and fine motor function (global dyspraxia), hypotonia, intellectual disability, autism, behavioral problems, dental abnormalities, and low bone density. Different molecular mechanisms that result in loss of *SATB2* function (deletions, mutations, etc), lead to this clinically recognizable syndrome. There are currently no approved therapies or clinical trials in place for the treatment of SAS.

Eligibility Criteria

This grant program is open to research investigators affiliated with an academic institution, hospital system, non-profit institution, or other accredited research institutions based in the United States (U.S.) or internationally. Eligible applicants include post-doctoral fellows, clinical fellows, researchers, physicians, or other associated research professionals with faculty appointments or research positions.

Research Priorities

To drive research momentum, the *SATB2* Gene Foundation Board is highly interested in research proposals that would create pilot data sufficient to support larger scale grant submissions to other funding sources.

The *SATB2* Gene Foundation prioritizes the following areas in SAS research, based on high impact needs identified by a recent independent scientific analysis and caregiver input:

- speech and language
- behavior
- sleep
- global developmental delays

Additional research priorities include projects on *SATB2* function and expression, variations in clinical phenotypes, and symptomatic and/or curative therapeutic interventions. We support projects that gather foundational knowledge about *SATB2* function, and we also support projects that aim for tangible and immediate clinical applicability.

In addition, the *SATB2* Gene Foundation has previously supported other research resources, such as iPSCs for a variety of precise *SATB2* mutations. Please reach out if access to these resources may be helpful to your research.

Budget

We are pleased to share that the *SATB2* community helped us to raise \$26,129 this year to allocate to research funding. We are encouraging applicants to request up to \$15,000 USD in direct costs to be expended within 12 months of the receipt of funds. Indirect costs are not supported. We are hopeful that we can fund multiple projects during this review cycle. Just as we are happy to fund projects as low as \$1,000, we are also open to considering projects that exceed the \$15,000 threshold. If more money would be helpful for a specific project, please reach out in advance so that we can discuss briefly before submission. We're also happy to try to

match research teams with other interested researchers that we've come to know as a Foundation. We view research as a highly collaborative effort, and we welcome questions and brainstorming with members of our Board prior to application submission if that is desired by the applicant.

2023 Grant Program Dates

Program opens	September 15, 2023
Full applications due (11:59pm ET)	November 1, 2023
Award announcements to applicants	November 27, 2023
Award announcements to public	January, 2024
Anticipated project start date	Q1 2024

Application Review Process

Applications will be reviewed by the SATB2 Gene Foundation Medical and Scientific Advisory Board and the Board of Directors. The grant selection process is unbiased and independent; awards are based solely on scientific merit and expected contribution to the priorities of the SAS community and body of knowledge about *SATB2*-associated syndrome. Advisors and board members with a conflict of interest will not participate in voting for those specific applications.

Application Instructions

Applications must be submitted by November 1, 2023 via email to research@satb2gene.org and must include the following:

1. **Application form:** signed by principal investigator and institutional official.
2. **Research proposal:** We ask that the research proposal be robust enough for a scientist or clinician to understand the value that you are trying to provide, but be written in such a way that someone without significant or formal training would be inspired by the value that your idea could bring to the SAS community. We encourage applications that are no longer than 3-pages, single-spaced, 11-point Arial font, with 1-inch margins all around and page numbers in the bottom margin. If you can clarify your idea in less space, that is fine, and if you need a little more room, that's fine also.

Please include the following sections: title of project, name and degrees of all investigators, executive summary (in plain language for non-scientists), specific aims, background, significance, preliminary data (if applicable), research design and methods, statistical analysis plan (if applicable), sample size and power (if applicable), timeline, and expected outcomes. For the expected outcomes- if your proposal is a pilot study to generate preliminary data, please indicate how that data would be used in applications for future funding and where such applications might be submitted. Alternatively, if your proposal aims to perform a complete research study, please indicate where such data might be published.

For projects which include human or animal subjects, proof of ethics board approval from your institution will be required prior to funding.

OPTIONAL: Our Boards would appreciate a plain language ~3 minute synopsis video of the lead applicant sharing your passion for the project, and why the SATB2 Gene Foundation should share your passion.

3. **Budget and Budget Justification:** in U.S. dollars, indicate the total budget requested and provide an itemized list of how the funds will be used (for example: materials, animals, payment to participants, salary, laboratory supplies, other research expenses, travel, etc).

Indicate whether there is any overlap with the proposed project and other funded research or applications under review, and provide details of these projects and funding mechanisms.

4. **Biosketch:** submit NIH Biosketches for all investigators.
<https://grants.nih.gov/grants/forms/biosketch.htm>
5. **Letter of support for post-doctoral and clinical fellow applicants:** submit a letter of support from your program director, which includes a mentoring and oversight plan.
6. **Any other supporting documents** (if applicable).

Application Submission

A PDF copy of the proposal should be electronically submitted to research@satb2gene.org by **November 1, 2023 11:59pm ET**. No extensions of the deadline can be made.

All documents should be merged as one PDF file. Documents requiring signatures can either be digitally signed or ink signed, scanned, and merged. The PDF file should be saved as "investigator first and last name_institution_2023." An example would be to name the file "Jane Doe_University of State_2023".

Questions regarding these guidelines should be directed to **research@satb2gene.org**.

Final decisions on funding will be made by SATB2 Gene Foundation's Board of Directors by November 27, 2023, and grant applicants will be notified by email. Public announcement of funding will be released by January or sooner upon signed grant terms. All decisions about grant applications made by SATB2 Gene Foundation are final and are not subject to appeal.

Terms and Conditions

Please note, this is a partial list of our terms. A complete list of the full terms and conditions will be forwarded to grant recipient(s) upon notification of grant approval.

Reporting: phone call update at 6 months and a final project report due at 12 months (3-page maximum) will be required. With the phone call update and the final project report, submit a simple summary in writing, of either study progress or study findings, that can be understood by a non- scientific audience.

Publication Policy: it is expected that the results of research supported by the SATB2 Gene Foundation will be published as soon as practical, as conference abstracts and/or in relevant Pubmed-indexed, peer-reviewed journals. Acknowledgment of funding support, either in whole or in part, from the SATB2 Gene Foundation Research Grant Program is required. The responsibility for publication lies exclusively with the principal investigator and does not require prior review by the SATB2 Gene Foundation. Electronic copies of presented conference posters, conference presentations, and published manuscripts (whether during the term of the grant or after it has ended) should be promptly forwarded to the SATB2 Gene Foundation.

Publicity: the SATB2 Gene Foundation shall be permitted to use the principal investigator's name, image, and likeness, as well as the name of the affiliated institution, in connection with all statements, printed materials, or electronic media related to the grant. The principal investigator will provide appropriate photographs and biographical information to the SATB2 Gene Foundation.

On-Site Visits: as a condition of support, the principal investigator agrees that a representative of the SATB2 Gene Foundation may visit their laboratory, clinic, or institution upon reasonable prior notification and during normal business hours.

Conference Attendance: the principal Investigator will be encouraged to present their findings at the SATB2 Gene Foundation Family Conference and/or record a virtual presentation. Reimbursement for conference travel will not be provided by the SATB2 Gene Foundation



**2023 RESEARCH GRANT PROGRAM
APPLICATION FORM**

Title of Project

Principal Investigator Name (First, MI, Last)

Title and Degree(s)

Institution and Division/Department

Mailing Address

E-mail and Phone

Co-Investigator Name (First, MI, Last)

Title and Degree(s)

Institution and Division/Department

Co-Investigator Name (First, MI, Last)

Title and Degree(s)

Institution and Division/Department

Co-Investigator Name (First, MI, Last)

Title and Degree(s)

Institution and Division/Department

Co-Investigator Name (First, MI, Last)

Title and Degree(s)

Institution and Division/Department



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If research is to be conducted at a different site, Institution and Division/Department _____

Mailing Address

E-mail and Phone

Funding requested (\$15,000 USD maximum)

Grant payment checks made payable to

Grant payment checks mailing address (e.g. grants administration office)

I hereby certify that the information provided in this application is, to the best of my knowledge, true and correct. I have not knowingly withheld any facts or circumstances that would otherwise affect consideration of this application. I agree to accept responsibility for the scientific direction and conduct and financial and legal oversight of this project.

I certify that I have read the SATB2 Gene Foundation Research Grant Program Terms and Conditions and understand the grant requirements if awarded funding by the SATB2 Gene Foundation.

Applicant Name

Applicant Signature

Date

Institutional Official Name

Institutional Official Signature

Institutional Official Title

Date
