Alan and Helene Goldberg *In Vitro* Toxicology Grants

2025-2026 Grant

2025-2026 Grant period is now *OPEN*!
Pre-Proposals are due on **July 31st, 2024 by 11:59 pm (EST)**

Click here for the pre-proposal form.

When invited, full proposals are due **September 30th, 2025 by 11:59 pm (EST)**.
Applicants with pre-proposals that have been selected for the full proposal round will receive an email with instructions.

2023-2024 Grant

For funding period 2023-24, CAAT granted two grants.

▶ Laura Calvillo, Cardiology Research Laboratory, IRCCS Instituto

Title: *The use of an advanced model of in-vitro hypertension to test*

theapeuitc properties of imidazo-pyrazolil Ureas in human endothelial cells under flow condition without the use of animals.

▶ Mathieu Vinken, University of Brussel

Title: An animal-free approach for human safety testing of food additives

About the Grant:

The grants program (http://caat.jhsph.edu/programs/grants) is a centerpiece of our work, providing initial funding for scientists to develop alternatives to the use of animals in biomedical research and product safety testing. To date, the center has funded over 300 grants (including renewals) for a total of more than $6 million.

The Johns Hopkins Center for Alternatives to Animal Testing (CAAT) is soliciting projects that focus on the implementation of the NAS Report: Toxicity Testing in the 21st Century: A Vision and a Strategy in the following areas:

- Proposals Relating to Toxicology: Maximum grant amount is $40,000. The objective should be to significantly reduce or replace laboratory animals. Examples of acceptable projects could include: providing mechanistic understanding of *in vitro* responses to toxicants in human cells, development of AOPs, or conducting systematic reviews. Consideration should be given to the translation of this new method to evaluate/predict health outcomes.
- Proposals relating to Refinement are awarded through a different funding mechanism: See *Science-Based Refinement Awards* – *funded separately.*

Although relatively small individually, these grants offer critical seed money that allows researchers to demonstrate the value of a particular

area of study so they can gain support from the NIH and other sources.

We have a stringent, peer-reviewed process for selecting the recipients of these grants. This process consists of sending each application to at least two to three experts in the field from academic, industrial, and government institutions. These reviewers evaluate the applications with regard to scientific merit, budget appropriateness, suitability to CAAT's mission, and expertise of the investigators. They also assign a priority score based on the scoring system used by the NIH.

At the CAAT annual advisory board meeting, these applications are reviewed by board members. Board members constitute the voting contingent for the grant applications and assign priority scores in a secret ballot format based upon a synopsis of the outside reviews and the board reviewers. The applications are then ranked in order of priority score and those that receive fundable scores are awarded funds based upon availability of money for the fiscal year.

We continue to monitor the long-term progress of the Research Grant Program by requiring our grant recipients to submit copies of publications resulting from the work supported by CAAT grant funds. We maintain a list of publications and an archive of journal reprints.

For any questions relating to any of our grant, please feel free to reach us at caat@jhu.edu.

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