

## **AKC Canine Health Foundation: Epilepsy Request for Proposals 2021**

### **Sponsor**

American Kennel Club (AKC)

### **Program**

[2021 Epilepsy Request for Proposals](#) [1]

### **Description**

The mission of the AKC Canine Health Foundation (CHF) is to advance the health of all dogs and their owners by funding sound scientific research and supporting the dissemination of health information to prevent, treat and cure canine disease. CHF supports a One Health model as a critical tool to achieving this vision, with a multidisciplinary approach to addressing the health needs of all dogs and their people.

Epilepsy is among the most common neurological disorders in dogs. This request is for research proposals that provide dog owners and the veterinary community with improved methods for understanding, preventing, and treating epilepsy in dogs. Proposals may include approaches to better diagnosis, characterization, pathophysiology, the molecular and genetic bases of canine epilepsy, as well as novel therapeutics.

Proposals may address any of the following topics but are not limited to the study of epilepsy in dogs:

- Pathophysiology of canine epilepsy with a focus on:
  - Prevention
  - Early diagnosis
- Genetics and epigenetics; use of multi-omics technology
- Novel diagnostics and therapeutics, including but not limited to:
  - Anti-epileptic drugs and non-drug therapies for refractory epilepsy
  - Overcoming the blood-brain barrier to deliver potentially novel anti-seizure agents such as RNA, gene, antibody, or cell therapy
  - Nutrition
  - Deep nerve or vagal nerve stimulation
- Effect of therapeutic agents on performance in performance dogs
- Identification and validation of biomarkers to better define therapeutic response

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- Discovery of methods to image brain chemistry and function during seizures to better classify and understand phenotypes
- Development of systems that anticipate epileptic seizures +/- deliver therapy to alter seizure severity

## Funding Availability

This request is limited to pilot studies or Acorn proposals (up to \$15,000 USD including 8% maximum indirect costs) and Oak proposals (up to \$30,000 USD including 8% maximum). Contact [chfgrants@akcchf.org](mailto:chfgrants@akcchf.org) [2] as soon as possible if you need to discuss a proposed budget outside this upper limit.

## Indirect Costs

8%

## Special Notes

Please note that research activities carried out in the context of COVID-19 need to adhere to the University of Guelph COVID-19 research principles, policies, guidelines and processes as they may be updated from time to time and communicated on the [Office of Research web-page](#) [3].

## Deadlines

**If College-level review is required, your College will communicate its earlier internal deadlines.**

Type	Date	Notes
<b>Internal Deadline</b>	Thursday, January 13, 2022 - 4:30pm	Please submit your proposal, along with an OR-5 Form to <a href="mailto:research.services@uoguelph.ca">research.services@uoguelph.ca</a> [4].
<b>External Deadline</b>	Thursday, January 20, 2022 - 11:59pm	The deadline for online applications to be submitted by PI to AKC.

## How to Apply

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[AKC Canine Health Foundation \(CHF\) Research Proposal and Application Checklist](#) [5]

For Questions, please contact

**AKC**

Administrative and scientific inquiries regarding this RFP should be directed to Programs Staff at [chfgrants@akcCHF.org](mailto:chfgrants@akcCHF.org) [2] or Andrea Fiumefreddo, Vice President of Programs & Operations at [arf@akcCHF.org](mailto:arf@akcCHF.org) [6] or Jennifer MacLeay, Chief Scientific Officer at [jennifer.macLeay@akcCHF.org](mailto:jennifer.macLeay@akcCHF.org) [7].

### Office of Research

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Alert Classifications **Category:**

Funding Opportunities and Sponsor News

### Disciplines:

Health and Life Sciences

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### Source

**URL:** <https://www.uoguelph.ca/research/alerts/content/akc-canine-health-foundation-epilepsy-request-proposals-2021>

### Links

[1] [https://www.akcCHF.org/research/application-process/program-area-rfps/2021\\_Epilepsy\\_RFP.html](https://www.akcCHF.org/research/application-process/program-area-rfps/2021_Epilepsy_RFP.html)

[2] <mailto:chfgrants@akcCHF.org>

[3] <https://www.uoguelph.ca/research/>

[4] <mailto:research.services@uoguelph.ca>

[5] <https://www.akcCHF.org/assets/files/AKC-CHF-Research-Proposal-and-Application-Checklist.pdf>

[6] <mailto:arf@akcCHF.org>

[7] <mailto:jennifer.macLeay@akcCHF.org>

[8] <mailto:kristin5@uoguelph.ca>