# 2022
# YEAR TO DATE

AMERICAN KENNEL CLUB®
CANINE HEALTH FOUNDATION®
PREVENT TREAT & CURE®

The Foundation is dedicated to advancing the health of all dogs and their owners by funding scientific research and supporting the dissemination of health information to prevent, treat and cure canine disease.

**$2.5M+**
**AWARDED**

**35**
**NEW GRANTS**

**28**
**PEER-REVIEWED PUBLICATIONS**

## NEW GRANT HIGHLIGHTS

*[OH] = One Health*

03015: The Immune and Molecular Landscape of Canine Osteosarcoma at the Single-Cell Level
- Investigators will identify, quantify, and characterize the diverse constituents of the bone cancer microenvironment to generate 3-dimensional maps to help further advance our understanding of how bone tumors form. [OH]

03019: Evaluation of a Targeted Anti αvβ3 Integrin Near-InfraRed (NIR-) Dye for Controlled Resection of Naturally Occurring Soft Tissue Sarcomas in Dogs
- This study aims to assess if dye consistently and reliably marks tumor cells by comparing NIR-based resections with the standard approach. [OH]

03039: Prognostic Biomarkers for the Development of Drug Resistance in Dogs with Idiopathic Epilepsy
- Investigators aim to develop an accurate prediction model based on the combination of three types of biomarkers, used to individualize and optimize the management of drug-resistant epilepsy through earlier detection of these patients and better defining their prognosis.

03055: Evaluating Reproductive Diseases in vitro with a 3D Canine Endometrial Organoid Model
- This research will optimize canine uterine organoids as a research tool which can be used to improve the health and welfare of intact middle-aged and older female dogs, enhance fertility, genetic gain and health in working dog programs; and allow the study of female reproductive diseases without the use of research dogs.

SCAN ME

*We always appreciate the opportunity to hear directly from you. Please contact the AKC Canine Health Foundation (CHF) to discuss a study, learn about sponsoring research, or obtain any other scientific programs information.*

*Thank you for all you do for dogs and their health.*

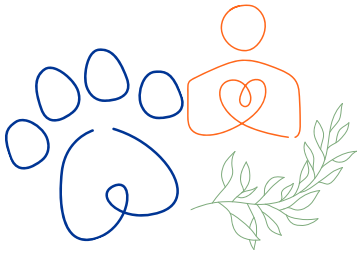
chfgrants@akcchf.org /akccaninehealthfoundation

**Recently attended:**
- AKC National Detection Dog Conference, Durham, NC, August 23-25
- Tarheel Cluster, Raleigh, NC, September 3
- Responsible Dog Owner Day, Raleigh, NC, September 17

**Find us at these upcoming events:**
- Veterinary Cancer Society Annual Conference, Norfolk, VA, October 13-15

## ONE HEALTH

CHF is currently managing 66 active research grants with a One Health impact. These studies are part of a robust, international research grant portfolio addressing the health needs of all dogs through their lifetimes. Learn more about this important work at **akcchf.org/onehealth**.



## PARTICIPATE IN RESEARCH

CHF-funded canine health researchers are looking for study participants to help them accomplish their project goals. Some of these studies occur at a research institution close to you and others need participation no matter where you live. Learn more at **akcchf.org/participate**.

SCAN ME

Projects seeking participation include:

**Grant 02544** — **Gallbaldder Mucocele**
Medical Resolution of Gallbladder Mucocele Formation in Dogs

**Grant 02780** — **Bladder Cancer**
Bladder Carcinogen Exposures in Pet Dogs

**Grant 02790-A** — **Spinal Cord Injury**
Characterizing the Fecal Microbiome in Spinal Cord Injury

**Grant 02850-A** — **Diabetes Mellitus**
Potential Reduction of Systemic and Pancreatic Inflammation using Fenofibrate in Diabetic Dogs

**Grant 02885** — **Boxers with Lymphoma**
Exposure to Environmental Chemicals in Boxers with Lymphoma



**Grant 03020** — **Chronic Kidney Disease**
Novel Biomarker and Therapeutic Target for Chronic Kidney Disease in Dogs

**Grant 03031** — **Congestive Heart Failure**
Tolerability and Clinical Efficacy of Acetazolamide for Treatment of Hypochloremia in Canine Congestive Heart Failure

**Grant 03039** — **Idiopathic Epilepsy**
Prognostic Biomarkers for the Development of Drug Resistance in Dogs with Idiopathic Epilepsy

## CHF and VetVine Webinar Series

The AKC Canine Health Foundation and VetVine have teamed up to offer webinars on canine health topics. These webinars feature leaders in the field of veterinary health research and offer practical advice on common health concerns, as well as information on cutting-edge research to benefit our dogs. This year learn about the latest research on dogs' perception of pain, cancer and cognitive development!

SCAN ME

**www.akcchf.org/vetvine**

CHARITY NAVIGATOR ★★★★ Four Star Charity

*CHF has earned a highest four-star rating from Charity Navigator and Platinum Seal of Transparency from Candid that recognizes our superior commitment to sound governance and fiscal responsibility. Tax ID # 13-3813813*

Platinum Transparency 2022 Candid.