

CORNELL FELINE HEALTH CENTER

ANNUAL REPORT
2016

SYNERGY:

CREATING A BETTER FUTURE TOGETHER

view the full report at www.cornellcats.org

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This publication has additional features including video, interactive graphs, and expanded information.

Please visit www.cornellcats.org for the full experience.

EXECUTIVE SUMMARY

The Cornell Feline Health Center owes its history of success to the diverse human and physical resources the Cornell College of Veterinary Medicine brings to bear on research in feline health and the dissemination of information to veterinary professionals and the cat loving public. By bringing these people and resources together to act in synergy and focusing them on the health problems of cats, the Cornell Feline Health Center gets results that would not otherwise be possible. This annual report highlights:

- **RESEARCH PROGRESS.** Over \$400,000 in grant funding support in 2015 and \$240,000 in 2014 for research projects addressing a variety of important feline health issues, including improved treatments for ocular herpesvirus infections, understanding why calicivirus affects certain cats more severely, the development of immunotherapy approaches to treat feline cancer, and the possible risks of a sedative commonly used in cats.
- **THE VALUABLE SUPPORT OF OUR DONORS.** Hundreds of individuals and businesses contributed over \$700,000 to support the Center's research and outreach programs in the past fiscal year.
- **OUR CLINIC MEMORIAL PROGRAM PARTICIPANTS.** 177 veterinary clinics in 25 states made gifts to the Cornell Feline Health Center in memory of their clients' departed feline friends, a gesture that offers comfort and hope in a time of grief.

We are also proud to introduce our new director, Dr. Luis M. Schang, who brings a fresh and energetic vision to the Center and its programs.



A MESSAGE From the Director

Dear Friends,

I am pleased to provide you with this update on the activities of the Cornell Feline Health Center, which is able to fulfill its mission only through the support of our cherished donors. This collaboration between the Center and our stalwart supporters has a long history of success in sharing information about feline health with cat lovers, and of improving the lives of all cats. We are extremely excited about where the future will take us and our feline friends, and about the prospect of providing a better world for both cats and the people who love them.

This is my final annual report as the Director of the Center, and I am happy to celebrate the accomplishments we have achieved over the past six years. When I think back on the time I have devoted to guiding this unique institution, it is clear that its strengths come from the dedication and hard work of our faculty, staff, and supporters. This has been truly inspiring, and I look forward with anticipation to what the future holds for cats as a result of the continued work of the excellent team that we have gathered.

My transition is made much easier by my confidence in the abilities of our incoming Director, Dr. Luis M. Schang. Dr. Schang joins us from the University of Alberta, where he has established himself as a world-class scientist studying the role of various molecules in the mechanisms that control viral infections. Recognized as an innovator in this scientific field, his work is also informed by his training as a veterinarian, his understanding of the importance

of clinical applications of research discoveries, and his gregarious and considerate manner. I feel extremely comfortable handing the reins over to Dr. Schang, and look forward to working with him to make his transition a smooth one, and to strengthening our future collaborations as colleagues on the faculty here at the College.

This year's report focuses on an important aspect of the Center's historical (and future) strength - its affiliation with the world-class teaching and research programs of the Cornell University College of Veterinary Medicine (and with Cornell University as a whole). These connections allow the Cornell Feline Health Center to foster ideas and collaborations between clinical and basic research expertise that promise to transform feline medicine. As is highlighted in this report, this relationship is unique among institutes dedicated to preserving and improving feline health, and I am confident that this model has the greatest potential to fulfill our mission - with the vital support of you, our donors.

Thank you for your continued support, not only during my time as Director, but also during our storied past and in helping us realize an even more promising future. Together, we can work together to achieve our common goal of a better world for cats everywhere!



Colin R. Parrish
Director Emeritus,
Cornell Feline Health Center



Photo by Rachel Philipson

SYNERGY:

the Key to Our Success



Synergy (noun): the increased effectiveness that results when two or more entities work together.

Synergy, a simple but important word, is at the heart of what distinguishes the Cornell Feline Health Center from other organizations focused on feline health. Since its inception in 1974, the Center has harnessed a unique combination of vital resources to achieve its mission of improving the lives of cats everywhere, and our spirit of cooperation and excellence continues to evolve as we enter our fifth decade of service to cats and those who love them.

Here are some of the ways we bring people and resources together to create something greater than the sum of its parts:

WE'RE A PART OF CORNELL

Coordinating the scientific expertise at the Cornell University College of Veterinary Medicine and the University as a whole produces unique opportunities for creative collaboration. By bringing together world-class scientists and clinicians here at the University and providing as much as \$400,000 per year in funding for feline-focused research, the Cornell Feline Health Center enables significant advances in the ability to diagnose, treat, and prevent feline diseases and to improve the well-being of cats.



WE WORK WITH A WORLD-CLASS ANIMAL HOSPITAL

Our partnership with the Cornell University Hospital for Animals allows our faculty, staff, and students to work with real-world feline patients. This access provides us with opportunities to engage in studies that involve



client-owned cats and their owners to address feline health issues in patients with naturally occurring conditions. This close affiliation fosters efficient and effective clinical research that would not otherwise be possible.

CORNELL'S VETERINARY STUDENTS ARE TOP-NOTCH

Whether through interactive clinical rounds, hands-on laboratories, outreach activities such as the Cats for Comfort program, or the development of unique technologies focused on improving feline health, our excellent and diverse student body helps us and motivates us to engage in innovative educational, developmental, and community-based activities that benefit the cats of today and the feline veterinarians of tomorrow.



WE LEARN FROM CAT OWNERS

Here at the Center, we are dedicated to providing education and support to cat lovers by phone, in person, and online. Whether through our Camuti Consultation Service, on which callers can speak directly with one of our veterinary consultants, or through educational seminars such as the Cat Lovers' Conference, we are able to make direct connections with those who love and care for our feline friends in a special way that is not available through other organizations.



WE HAVE YOU, OUR SUPPORTERS

The driving force behind the success of our programs is, of course, our donors. Your loyalty and generosity supports and informs our mission, and we could not look back upon a history of excellence nor forward toward a better future for our feline friends without your kind and humble support. Thank you!





Updates on 2014 Grants

The role of the FCV capsid structure and its flexibility in elicited antibody responses

John S. L. Parker, BVMS, PhD

Infections with feline calicivirus can be mild or devastating, depending on the strain of virus involved. Dr. John S.L. Parker and his colleagues discovered that tiny dissimilarities on the outside of the virus can make the difference between life and death for cats, crucial information for designing diagnostics and treatments.



Photo by Rachel Philipson



VIDEO INTERVIEW

See the interview with Dr. Parker online at www.cornellcats.org

Anti-Mullerian hormone in cheetahs: optimizing reproductive management

Ned J. Place, MD, PhD



Dr. Ned Place is working to improve captive cheetah breeding programs to help threatened populations of these animals bounce back from the brink. Place's studies focus on anti-Mullerian hormone (AMH), which is produced by maturing follicles in the ovaries of female cats and other mammals. Oocytes (eggs) are contained within follicles, and as animals age and the number of follicles steadily declines, so, too, does the amount of AMH in the female's bloodstream.

Place found that AMH concentrations in the blood had a strong inverse relationship with cheetah age, that is, young adult female cheetahs had the highest AMH concentrations and old cheetahs had the lowest. With this information in hand, knowing a cat's AMH could help predict which cheetah females might start losing fertility at a relatively young age and which are the best candidates for a breeding program. Place is now working with Fossil Rim Wildlife Center in Glen Rose, Texas, to acquire archived cheetah serum samples to determine if the rate of AMH decline over several years differs among cheetahs.

Understanding the role of infectious disease in feline cardiac disease

Kathleen Kelly, DVM, PhD



Photo by Rachel Philipson

Restrictive cardiomyopathy is a common feline heart disease that claims the lives of thousands of cats every year, but the cause is not known. To begin tracking down the cause of restrictive cardiomyopathy, Dr. Kathleen Kelly pursued one of the possibilities: canine parvovirus (CPV). In puppies, CPV sometimes causes inflammation of the heart muscles, a condition called myocarditis, and parvovirus is closely related to feline panleukopenia virus, which infects cats. Kelly investigated the possibility that feline panleukopenia infection might cause restrictive cardiomyopathy by looking for the genetic signature of the virus in preserved heart tissue from cats that had died of the condition. The virus was nowhere to be found in the tissue samples, a result that disproved the idea that feline panleukopenia was somehow involved, but Kelly is undeterred.

Going forward, Kelly is determined to find the cause (or causes) of restrictive cardiomyopathy, and she will work with the Cornell Feline Health Center and outside funding agencies to support the work.

Evaluation of antiviral drugs in an air-cooled corneal organ culture system of FHV-1 infection

Gerlinde Van de Walle, DVM, PhD



Photo by Rachel Philipson

Thanks to funding from the Cornell Feline Health Center, cats may soon get a better treatment for feline herpes virus 1 (FHV-1) eye infections. FHV-1 is a frequent cause of corneal infections in cats (the cornea is the clear covering of the eye). However, the drugs that are currently used to treat these infections must be applied multiple times a day and often there is scant scientific evidence to support their use.

Dr. Gerlinde Van de Walle and her team have developed a model system that can be used to test drugs for treating these eye infections, and early results have pointed to a new drug for treating FHV-1. Using the model system, the Van de Walle lab tested the antiviral drug raltegravir, which is currently used to treat HIV infections in humans, as a therapy for FHV-1 infection. They found that raltegravir therapy appears to be as effective as the current front-line therapies, but only has to be given half as often to achieve the same effects.

Given these promising results, Van de Walle and her team are following up with raltegravir, studying the possibility that the drug boosts the immune system to fight infection. See page 14 for an update on this work.

Updates on 2015 Grants



VIDEO INTERVIEW

See the interview with Dr. Van de Walle online at www.cornellcats.org

Monoclonal antibodies against feline PD-1 (CD279) as potential immunotherapeutic agents for feline cancers

Avery August, PhD and Bettina Wagner, DVM, Dr. vet. med. habil.

In recent years, immune therapy has proven to be effective in treating a variety of different forms of cancer in humans. Dr. Avery August and Dr. Bettina Wagner have made inroads to applying this type of approach to treating feline cancer, empowering a cat's immune system to fight cancer cells.

The key to the work is T cells, warriors of the immune system that specifically attack and kill cancer cells and foreign microorganisms. However, after a period of time, T cells are deactivated by a protein called PD-1, which slows or stops the ability of T cells to fight cancer. By immunizing mice with feline PD-1, August and Wagner created antibodies against PD-1 that will allow these T cells to keep working. They're working now to characterize these antibodies and plan to work with veterinarians at the Cornell University Hospital for Animals to set up a trial for testing the treatment.

August and Wagner are also attempting an approach to immunotherapy in which they create molecules to cover up the receptor on T cells that allows them to be shut down, thus allowing the T cells to continue to work at fighting cancer cells. They have created the molecules to get the job done and are in the process of testing their effectiveness at freeing up T cells.



Photos by Rachel Philipson

Role of matrix metalloproteases in FIPV-infected macrophages and the development of FIP in cats

Gary Whittaker, PhD

The coronavirus that causes feline infectious peritonitis (FIP) starts out as a harmless hitchhiker in the cat's intestinal tract, but if the virus enters the blood stream things can go terribly wrong. In these cases, coronavirus in the blood takes hold in the body's macrophages, specialized cells of the immune system that are meant to attack invading pathogens. This triggers the macrophages to over respond to infection, starting the cat's body on a downward spiral of inflammation, fever, weight loss, lethargy, and eventually death.



Photo by Rachel Philipson

Dr. Gary Whittaker is trying to figure out how the virus makes the switch from harmless to lethal by gaining entry into macrophages. They're focused on proteases in cat cells (enzymes that act like switches for many processes in the cell) that are known to activate the virus, and which differ between intestinal cells and macrophages. Whittaker has two main candidates for the elusive protease in macrophages: matrix metalloprotease (MMP) and proprotein convertase 1 (PC1). The work is complicated by the fact that the coronavirus seems to find many different solutions to the problem of entering different cell types, so Whittaker may have to explore many avenues to get a full picture. In the end, Whittaker and his team hope to learn about how the virus switches from harmless to lethal so they can identify existing drugs or design new drugs to inhibit that switchover.



VIDEO INTERVIEW

See the interview with Dr. Whittaker online at www.cornellcats.org

Towards rationally-based treatment for FHV-induced ocular disease in cats

Gerlinde Van de Walle, DVM, PhD, Eric C. Ledbetter, DVM, and Adam Boyko, PhD



Photo by Rachel Philipson

We think of antivirals as drugs that fight viruses, but they may do more than that. There is some evidence that antivirals also boost the immune system to help a person, dog, cat, or other animal fight off the virus. Using a tissue model of feline herpes virus (FHV) eye infections in cats, Van de Walle and her colleagues are exploring whether the antiviral drug raltegravir can modify the immune response in corneas infected with FHV, limiting the negative inflammatory effects of the virus. Early results from the work are promising, and indicate it may be possible to create antivirals that boost the immune system even more.

Development of feline monoclonal antibodies for use as therapeutic and diagnostic tools

John S. L. Parker, BVMS, PhD, Douglas F. Antczak, VMD, PhD, Julia Felipe, Med. Vet., MS, PhD, and Tracy Stokol, PhD



Dr. John S.L. Parker and his team are developing a system for harnessing the weapons of the feline immune system to fight infections or cancer. After cataloguing the antibodies a cat produces in response to a feline calicivirus (FCV) immunization, they have created cat-specific antibodies that could be used therapeutically to boost immunity and treat FCV infections. They're also developing cat-specific antibodies that can attack cancer cells and collaborating with Dr. Avery August and Dr. Kristy Richards to hopefully test the antibodies in feline lymphoma patients visiting the Cornell University Hospital for Animals. In the long-term, Parker is interested in identifying the antibody responses to many different types of viruses so that he can reproduce antibodies that can be used as therapy for a wide range of infections.



*Pharmacologic antagonism
of the cardiovascular
impairment produced by the
commonly used sedative /
analgesic dexmedetomidine in
anesthetized cats*

Manuel Martin-Flores, MV, DACVAA

In the US, most cats that undergo surgery are given the sedative drug dexmedetomidine (DXM) to calm them down prior to general anesthesia, which puts them to sleep. However, in many cats DXM causes the heart rate to slow to a dangerously slow rate, a condition called bradycardia. Veterinarians will often administer small doses of an antidote to DXM to counterbalance the bradycardia and raise the heart rate, but Dr. Manuel-Martin Flores and his colleagues at the Cornell University Hospital for Animals observed that cats subjected to the stresses of these dexmedetomidine-antidote treatments did not do well and often developed dangerously low blood pressure.

Concerned about the implications for cats given DMX, Martin-Flores secured a grant from the Cornell Feline Health Center to determine whether it's safe to use the antidote to try to alleviate DMX-induced bradycardia. Currently, he and his team are busy collecting data, including heart rate, blood pressure, and cardiac output in cats undergoing sedation with DXM and treatment with the antidote. They expect to publish their results in 2017.



*Expansion of genetic mapping
& genomic resources for the
domestic cat*

*Rory J. Todhunter, BVSc, PhD, Adam Boyko,
PhD, and Marta Castelhana, DVM (pictured)*

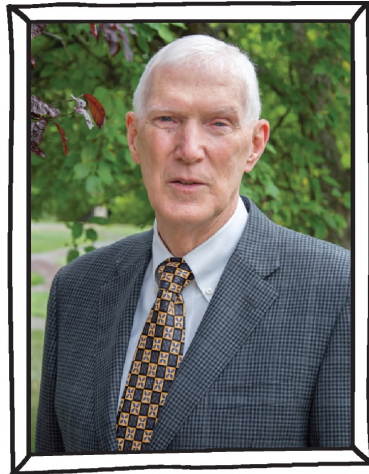


With partial funding from the Cornell Feline Health Center, including a research grant in 2015-2016, the Cornell Veterinary Biobank has collected DNA samples from hundreds of patients at the Cornell University Hospital for Animals and the Community Practice Service and from healthy cats recruited outside Cornell. The Biobank offers these DNA resources to scientists from all parts of the University, who can then use them to explore linkages between genes and specific feline diseases like diabetes, hypertrophic cardiomyopathy, coagulation disorders, arthritis, kidney disease, obesity, dental disease, and lymphoma. With a large set of samples from both affected cats and from cats who are healthy, Cornell scientists can home in on the genetic differences that make these cats sick, tracking down the causes of feline genetic diseases and pushing the science toward prevention, novel treatments, and cures.

The positive effects of the Biobank don't end at Cornell's gate, however. This work is also helping scientists around the world study feline genetics. With support from the Cornell Feline Health Center, the Biobank was able to participate in a project called 99 Lives, which collects and shares genome sequences collected from cats at numerous institutions. A genome is the entire genetic information from one individual cat, and by bringing together and sharing data with researchers who explore cat genetics, 99 Lives has accelerated discovery and is making big strides in understanding the genetic basis of feline diseases so the improved diagnostics and therapies can be developed.

DONOR HIGHLIGHT

Donald and Rita Powell



Dr. Donald Powell '69 and his wife of over fifty years, Rita Powell, have been supporters of Cornell and the Cornell Feline Health Center for decades. Currently the owner of a beautiful multicolored eight

year old "junkyard kitty" named Holli, Powell has seen his personal love for cats reflected among his clients during his years of practice.

"I love the relationship between owners and their pets. When you have a pet that you've cared for as a veterinarian, that relationship continues as you go through all its life cycles – helping solve problems, celebrating successes, and helping make tough decisions at the end. You get very attached to the owner and their pet. The more an owner loves their pet, the more you love that pet, too."

Powell is now CEO of Pender Veterinary Centre, Ltd., a thriving veterinary group he cofounded in Fairfax, Virginia. Attributing much of their success to Cornell, the Powells have generously given back in many ways, including supporting the improvement of the design and development of the Cornell Feline Health Center website, which serves as a resource for millions of cat owners and lovers each year.

When asked why he chooses to support the Cornell Feline Health Center, Dr. Powell explains, "There are very few places you can invest in research for cats, and feline research has sort of been neglected for years. My wife and I like to see research done to help cats, solve problems, solve disease entities and so forth, and we feel like the money is wisely invested and wisely used. That's always a concern when donating, but we're confident that the money we donate to the Cornell Feline Health Center will be used well and efficiently."



VIDEO INTERVIEW

See the interview with Dr. Powell online at www.cornellcats.org

ELIZABETH'S

Wish List

Through the years, Elizabeth has served as our emissary of goodwill by helping us address the needs of the faculty in the Cornell University Hospital for Animals through her annual Wish List. You can become a part of this wonderful legacy by purchasing one or more of these items to address the clinical needs of our experts who help cats every day. No gift is too small, and your support through this program will improve the lives of cats today and into the future.

If you would like to purchase one or more of these items, please contact our Alumni Affairs and Development Office: 607.253.3093 or vetfriends@cornell.edu, or donate online at www.cornellcats.org/wishlist, letting us know which item you would like to purchase.

CORNELL UNIVERSITY HOSPITAL FOR ANIMALS (CUHA)

- Corneal diamond knife and cleaning kits - \$2,640
- Electrocardiography telemetry systems
 - Central monitoring station - \$35,285
 - Individual patient monitor (basic) - \$7,000
 - Individual patient monitor (advanced) - \$10,000 each
- Neonatal ventilator with portable air compressor - \$53,400
- Minimally invasive surgery simulator - \$6,980

SHELTER MEDICINE SERVICE

- One-day trap/neuter/release program - \$1,000
- Radioactive iodine therapy for a senior hyperthyroid cat - \$1,100
- Veterinary student summer internship in kitten foster program - \$3,000
- Digital dental x-ray unit - \$10,000

SHELTER OUTREACH SERVICES (SOS)

- Suture material for spaying of cats: \$4,000 per month
- Sterilization costs: \$3,900 per month
- Annual cost to run the SOS mobile clinic - \$5,000
- Veterinary supplies (drugs, needles, syringes, endotracheal tubes, surgical gauze, surgical glue, etc.) - \$12,000 per month
- Vaccines
 - \$800 per month for feline panleukopenia
 - \$570 per month for rabies



VIEW ADDITIONAL CONTENT

Learn more about the items in Elizabeth's Wish List online at www.cornellcats.org/wishlist



CLINIC MEMORIAL

Program Participants



Remembering our animal friends with a gift for a better future, July 1, 2015 through June 30, 2016

CALIFORNIA

Animal Hospital of Walnut
Cat Hospital of Petaluma
Kensington Veterinary Hospital
The Cat Care Clinic
Veterinary Specialty Hospital

COLORADO

Cat Specialist

CONNECTICUT

Aspetuck Animal Hospital
Bolton Veterinary Hospital
Burlington Veterinary Center
Chippens Hill Vet Hospital
Cosmic Cat Veterinary Clinic
Easton Veterinary
Georgetown Veterinary Hospital
Manchester Veterinary Clinic
Middletown Veterinary Hospital
New England Cat Care
North Windham Animal Hospital
Salmon Brook Veterinary Hospital

Schulhof Animal Hospital
Sitting Pretty Pet Sitting
South Wilton Veterinary Group
South Windsor Veterinary Clinic
Suffield Veterinary Hospital
Toll Gate Animal Clinic
Winsted Hospital For Animals

DELAWARE

Lums Pond Animal Hospital

FLORIDA

All Cats Healthcare Clinic
All Cats Hospital
Country Cat House II
For Cats Only
The Cat Hospital at Palm Harbor

GEORGIA

The Cat Care Clinic
The Cat Doctor
Union Hill Animal Hospital

ILLINOIS

Animal Hospital of Woodstock
Blue River PetCare
Brumley Veterinary Clinic
Cat Hospital of Chicago
Chicago Cat Clinic
Lombard Animal Clinic
The Cat Practice

LOUISIANA

The Cat Hospital of Metairie

MASSACHUSETTS

Brockton Animal Hospital
Cape Ann Veterinary Hospital
Chestnut Street Animal Hospital
Easthampton Animal Hospital
Linwood Animal Hospital
Mattapoisett Animal Hospital
Medway Animal Hospital
Metro Cat Hospital
The Feline Hospital
Windhover Veterinary Center

MARYLAND

A Cat Clinic
Cat Hospital at Towson
Cat Sense Feline Hospital & Boarding
Flower Valley Vet Clinic
Goshen Animal Clinic
Layhill Animal Hospital
Ruxton Animal Hospital

MAINE

Coastal Cats Feline Health Care
Windsor Veterinary Clinic

MICHIGAN

Cat Care
Country Cat Clinic
The Kitty Clinic
The Visiting Vet

MINNESOTA

City Cat Clinic

NORTH CAROLINA

Cat Care Hospital
Cat Clinic of Greensboro
Dr. Andrea Lee Fochios
Mayfair Animal Hospital
Morrisville Cat Hospital

NEW JERSEY

Animal General
Bryan Animal Hospital
Eagle Rock Veterinary Hospital
Essex Animal Hospital
Exclusively Cats Veterinary Hospital
Green Pond Animal Care Center
Harlingen Veterinary Clinic
Larchmont Animal Hospital
Marsh Hospital for Animals
Matawan Animal Hospital
Oradell Animal Hospital
Park Ridge Animal Hospital
Stafford Veterinary Hospital
Vet on Wheels
West Orange Animal Hospital

NEW MEXICO

Albuquerque Cat Clinic

NEVADA

Irvine Veterinary Services

NEW YORK

Adirondack Animal Hospital
Animal Clinic of Mount Vernon
Animal Hospital of Kent
Animal Hospital of Niskayuna
Animal Kind Veterinary Hospital

Animal Medical of New City
Ardda Animal Hospital
Atlantic Coast Veterinary Specialists
Baldwin Animal Hospital & Bird Clinic
Briarcliff Manor Animal Hospital
Brook Farm Veterinary Center
Central Animal Hospital
Central Veterinary Hospital
Clark Animal Care Center
Clarkson Veterinary Hospital
Community Veterinary Hospital
Deer Park Animal Hospital
East Meadow Animal Hospital
Eastview Veterinary Clinic
Feline Health Clinic
Felton Veterinary Services
Dr. Jean A. Ferreri
Forest Hills Cat Hospital
Glen Animal Hospital
Greenridge Veterinary Office
Dr. Raymond S. Hayes
Dr. William Henry Herbold III
Highland Animal Hospital
Hilton Veterinary Hospital
Dr. Linda E. Jacobson
Jeffersonville Animal Hospital
Lyndon Veterinary Clinic
Main Street Cat Hospital
Manetto Hill Animal Clinic
Manhasset Animal Hospital
Manlius Veterinary Hospital
Meadowridge Veterinary Hospital
Nanuet Animal Hospital
New York Cat Hospital
New York Veterinary Hospital
Newburgh Veterinary Hospital

North Castle Veterinary Hospital
North Country Veterinary Services
Otterkill Animal Hospital
Pleasant Plains Animal Hospital
Pleasant Valley Animal Hospital
Pleasantville Animal Hospital
Ridge Animal Hospital
Rivergate Veterinary Clinic
Rye Harrison Veterinary Hospital
Saugerties Animal Hospital
Sleepy Hollow Animal Hospital
South Towne Veterinary Hospital
Springville Animal Hospital
Steinway Court Veterinarian
Storybook Farm Veterinary Hospital
Dr. Alan M. Tausz
The Animal Hospitable
The Cat Doctor
The Moriches Hospital for Animals
Thorn Avenue Animal Hospital
Three Village Veterinary Hospital
Turnpike Veterinary Clinic
University Animal Hospital
Veterinary Care of Ithaca
Veterinary Center of East Northport
West Chelsea Veterinary Hospital
Woodbury Animal Hospital
Wright's Corners Animal Care Center

OHIO

Cat Care Hospital
Cats Only Veterinary Clinic

PENNSYLVANIA

Bloomsburg Veterinary Hospital
Doylestown Animal Medical Clinic

Eagle Animal Hospital
Manheim Pike Veterinary Hospital
Milford Animal Hospital
Thornwood Veterinary Hospital
Titusville Veterinary Clinic
University Drive Veterinary Hospital

RHODE ISLAND

Sakonnet Veterinary Hospital

SOUTH CAROLINA

Creekside Veterinary Clinic

TEXAS

Dr. Kathy Ann Carlson
Cats Love Housecalls

VIRGINIA

Caring Hands Animal Hospital
Godspeed Animal Care
Lexington Animal Hospital
Nova Cat Clinic
Vienna Animal Hospital

WASHINGTON

Cats Exclusive Veterinary Center
Woodhaven Veterinary Clinic



HONOR ROLL OF DONORS

JULY 1, 2015 THROUGH JUNE 30, 2016

Thank you to our donors at all levels over the past year. While space prevents us from listing all names, please know that your support is deeply appreciated.

\$100,000 AND ABOVE

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 Ms. Janet C. Hauser
 Mrs. Helen B. Putre
 Ms. Shirley Sperber*

\$25,000 AND ABOVE

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\$10,000 - \$24,999

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* Denotes deceased



\$500 - \$999

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Mr. Christopher R. Picaut and
Ms. Patrice Molnar Picaut
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Ms. Nancy H. Stetson
Ms. Sandra L. Simpson
Dr. Tina Louise Waltke and
Ms. Mary Jane Constant
Mr. Gregory W. Warmuth and
Ms. Paula J. Warmuth
Mr. J. D. Woods



SCHOLARSHIP RECIPIENTS

For a full list of our scholarship recipients, visit www.cornellcats.org



VIEW MORE

For a full list of donors at the \$250 level and above, visit www.cornellcats.org

OPPORTUNITIES FOR SUPPORT

The Cornell Feline Health Center cannot carry out its mission of improving the lives of cats through educational, research, and outreach activities without the generous support of our donors. We are forever indebted for your kind support, which makes our goals achievable and motivates us to work tirelessly on behalf of all felines and all of those that love them.

GIVING WHERE THE NEED IS GREATEST

An unrestricted gift allows the Cornell Feline Health Center to focus its resources on the educational, research, and outreach activities that are prioritized with respect to having the highest potential for impact on the well-being of cats. Please visit www.vet.cornell.edu/FHC/ and click on Giving/Membership or call 607.253.3093 for more information on how you can help us help cats.

DR. LOUIS J. CAMUTI MEMORIAL FUND

This unique service, created in memorial to Dr. Camuti's six decades of dedication and innovation in feline veterinary medicine, provides cat lovers with one-on-one telephone consultation with our team of experienced veterinary consultants.

MEMORIAL PROGRAM FOR FELINE COMPANIONS

A gift to this program is a thoughtful way to honor the memory of a beloved feline friend. For more information, visit www.cornellcats.org/memorial or call 607.253.3093.



ENDOWMENT GIFTS

Managed as part of Cornell's long-term investment pool, a gift of \$100,000 or more provides a fitting tribute and a named legacy of support in perpetuity, helping to build a foundation for the future of the Center and all of its activities.

NAMED GRADUATE SCHOLARSHIP, CLINICAL RESEARCH FUND, OR RESIDENCY

A minimum gift of \$100,000 will provide a scholarship for a future veterinary student at the Cornell College of Veterinary Medicine or establish a named fund that will generate income to support clinical research. A minimum gift of \$1,000,000 can endow a named residency, which can provide income for stipends and grants that accompany this intensive residency training.

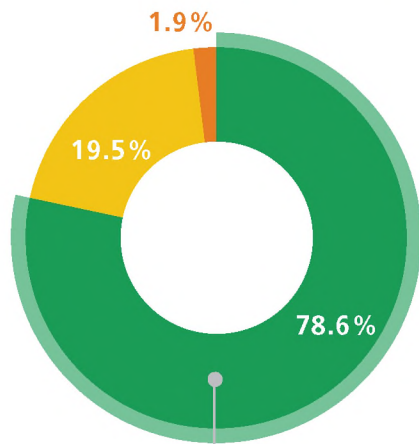
BEQUESTS AND PLANNED GIFTS

Naming the Cornell Feline Health Center in your will or selecting one of our many planned gift options can help ensure a better future for all cats while providing you with several financial benefits, including:

- Income generation, tax deductions, and retirement security
- Enhancement of net estate
- Creation of a personal legacy

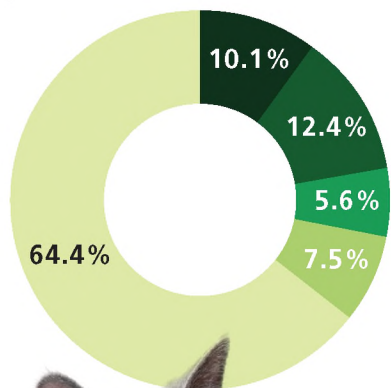
Please contact the Cornell College of Veterinary Medicine Office of Alumni Affairs and Development at 607.253.3093 or vetfriends@cornell.edu to discuss these options.

2016 FINANCIAL INFORMATION



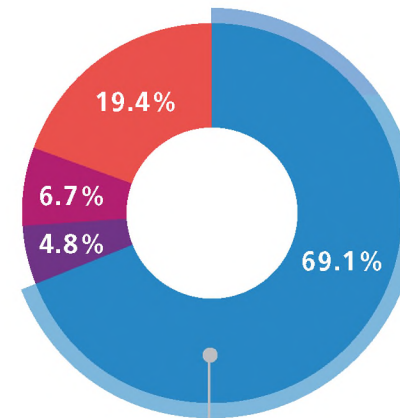
FISCAL YEAR 2016 REVENUES \$1,114,689

- Gifts
- Endowment Income
- Miscellaneous



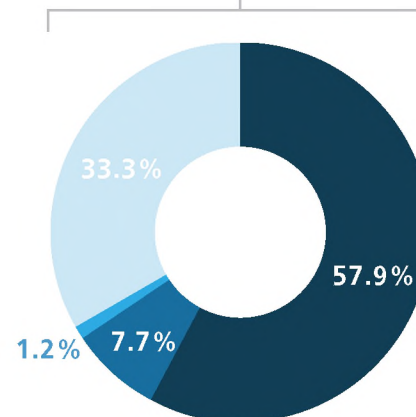
GIFT DETAILS TOTAL: \$876,434

- \$0-\$100
Total: \$88,822
- \$101-500
Total: \$108,819
- \$501-1,000
Total: \$48,827
- \$1,001-5,000
Total: \$65,408
- Over \$5,000
Total: \$564,559



FISCAL YEAR 2016 EXPENSES \$1,027,746

- Program Support
- Development
- Administration
- College Support and Services



PROGRAM SUPPORT DETAILS

- Research
- Consultation Services
- Memorial Program
- Education and Outreach





OUR MISSION

**TO IMPROVE THE HEALTH AND
WELL-BEING OF CATS EVERYWHERE BY**

- Finding ways of preventing and curing diseases of cats by conducting and sponsoring breakthrough feline health studies
- Educating veterinarians and cat owners about feline health by providing timely medical information and by promoting public understanding and awareness of feline issues
- Providing timely expert guidance and support when unforeseen feline diseases or health crises emerge



**CORNELL FELINE
HEALTH CENTER**

235 Hungerford Hill Road
Ithaca, NY 14853
www.vet.cornell.edu/FHC
607.253.3414



**Cornell University
College of Veterinary Medicine**

