Robert H. and Mary G. Flint Animal Cancer Center

Reader's Survey, p. 4

From the Director

The FACC Legacy: Specialty Training Programs

Our cover story, written by Karen Wheeler with contributions from Emily Brown, presents the first in a three-part series about the FACC's specialty training programs. The history of these programs stretches back to the origins of veterinary oncology – about 1981. Since then, 70 specialists have completed their training here with more to come.

I am often amazed at the skill and professionalism of our trainees, who have contributed significantly to our global reputation.

Along with our nursing staff and patient coordinators, residents and fellows provide the continuity of patient care and client communication critical to effective cancer treatment. We hope you enjoy reading about the marvelous individuals who provide the outstanding care for which we have been recognized over the last 30 years.

—Dr. Rodney Page
Director, CSU Flint Animal Cancer Center

Veterinary Oncology Residents: Lifeblood of the Flint Animal Cancer Center

After graduating from an accredited veterinary school, a newly-minted Doctor of Veterinary Medicine, or as in some states, Veterinary Medical Doctor, must make a key career decision: to practice general medicine or commit to another three to five years in a residency training program learning a specialty. It is a huge investment of time, energy and money.

By the time a veterinary student is ready to qualify for a residency, they have already achieved a considerable level of scholarship: an undergraduate degree, four years of veterinary coursework and a one year internship. Veterinary school curriculum covers a broad range of medical knowledge, training in basic clinical skills, but limited hands-on experience. An internship augments that hands-on experience and introduces the new DVM to areas of specialization they might pursue and where to find a residency.

Residency training programs are highly selective, often receiving fifty applicants for one position. Once accepted into a program, a new resident understands that work and study will become all-consuming, often stressful, but ultimately rewarding for the term of that two- or three-year commitment.

Veterinary oncology is one of the toughest specialty fields due to the complex nature of cancer care and few training programs. The CSU veterinary oncology program offers three programs: medical oncology, radiation oncology and a fellowship for surgical oncology. The excellent reputations of both the Colorado State University Veterinary Teaching Hospital (CSU-VTH) and the Flint Animal Cancer Center, means the oncology residency program is one of the most sought after in the country.

"Our programs are highly competitive due to our multidisciplinary approach, exceptional technology, and a faculty committed to active mentorship," explained Dr. Rodney Page, Director of the FACC.

Residents will spend three years pursuing a Master's degree, conducting research, mentoring and instructing senior veterinary students, and handling a considerable case load under the supervision of a faculty advisor. As part of their research, a resident must submit a manuscript suitable for publication in a professional journal by the end of the second year, and another by the end of the third year.

Finally, after fulfilling all clinical and academic requirements, one or more national exams must be passed to receive board certification within the chosen area of specialization.

"The true legacy of our center is the generations of residents and fellows who continue to pass on our core values to their current patients and clients," said Page. "Our residents and fellows represent hope for the future; the hope that tomorrow's clinician-scientists will bring us closer to a cure for cancer in all species."

A Day in the Life of a Medical Oncology Resident

For residents, there is no "typical" day. Each has its unique challenges sprinkled throughout with a little chaos. We followed Dr. Katie Curran through a work day as she juggled responsibilities for clients, patients, students, colleagues and the hospital team. Dr. Curran is the first Lucy Scholar* resident in medical oncology, a title of which she is proud.

The day begins early. Before tackling any new cases, there are "rounds" to attend, specified times set aside when all members of the clinical staff gather to discuss cases being seen that day. "Case" rounds occur twice daily, "topic" rounds occur four days a week, and other meetings are weekly.

7:00 a.m. Arrive at the Hospital.
Check on the status of those patients who stayed overnight, reviewing their chart and planning the next steps.

7:30–8:30 a.m. Class.
Up to 25 percent of the resident's time is allowed for coursework related to their degree and, when possible, is scheduled so that it does not interfere with their primary clinical responsibility.

8:30–9:30 a.m. Oncology Service Rounds.
This weekly service operations review alternates with Journal Club, where residents and faculty discuss current journal articles.

9:30–10:00 a.m. Case Rounds.
Faculty, residents and students review hospital cases and ongoing patient care from surgery, radiation oncology and medical oncology. Fourth year PVM† students present their cases with input and questions from faculty and residents.

10:00 a.m.–1:00 p.m. New Appointments.
Dr. Curran joins the rest of the medical team in the medicine ward, where residents work with students responsible for initially meeting with the client, taking the patient history, conducting an exam, collecting findings, considering differentials and formulating a medical plan. Dr. Curran and the student together review the new case and discuss the plan. Both then meet with the client(s), discuss further diagnostics and treatment options, and finalize the initial plan.

11:00 a.m.–2:30 p.m. Recheck Appointments.
Typically, this time is for returning cases, or "rechecks," and those with urgent problems needing immediate treatment. Patient needs vary widely, meaning the time spent on each appointment also varies widely: some need more diagnostic tests for a recurring chronic problem, some need restaging diagnostic tests, and others arrive for chemotherapy or radiation therapy. "It's really a juggling act all day," said Dr. Curran.

2:30–3:30 p.m. Afternoon Case Rounds.
Review all cases with updates from the morning, as well as new cases of the day. Even during rounds, it is typical for pagers to sound, calling the resident from the meeting to see difficult cases that require immediate attention.

3:30–6:00 pm. More Appointments.
Residents cover for others who have afternoon classes between 4 p.m. and 6 p.m. Between seeing patients, follow-up calls are made to update pet "parents" or referring veterinarians, in response to questions left with the Consult Service, or to check up on yesterday's patients. Time to review lab results, ultrasound and radiographs, and reports from other departments such as neurology, ophthalmology, orthopaedics, etc. related to their patients.

6:00 p.m.-? Paperwork.
Review next day's caseload, read class notes, homework, research, read professional journal articles, home, dinner, bed.

Tomorrow it begins again at 7:00 a.m.

**The Lucy Scholars was established in 2011 as the third of three different funds created to support oncology specialty training. (http://csuanimalcancercenter.org/research/ways-to-give). The other two funds are the Bow Wow Buddies Foundation Fund (http://csuanimalcancercenter.org/related-links), and Elliot's Long Paw Fund (http://csuanimalcancercenter.org/ways-to-give#help).*

† Professional Veterinary Medicine

Trains, Planes, and a Motor Home: Baron Porter's Journey to the Flint Animal Cancer Center

Baron Porter is a big, warm-hearted, 10-year-old German shepherd who, according to Glen and Rose Porter, loves his home (sunny California), his family (even the two cats) and his squeaky toys. He ignores the neighborhood owls, roosting turkey vultures, coyotes and bobcats, but the small, speedy roadrunners terrify him, sending him to the door barking to get in.

"He has some quirks," acknowledged Glen Porter, a retired Major with the United States Marine Corps and a Vietnam veteran.

Baron before treatment

"We love German shepherds and have had others, both as visitors and as members of the family, but Baron is unique. He follows a different drummer."

Recently, they discovered another of Baron's quirks: he loves trains. This idiosyncrasy was revealed during a round trip journey, via motor home, to Colorado State University to treat Baron's cancer.

Baron was only 3 months old and recently rescued from an abusive breeder when the Porters met him at the German Shepherd Rescue of Orange County. It was love at first sight and Baron joined the Porters' small menagerie: a sweet shepherd mix named Sasha, Piggy the pot-bellied pig, and several cats collected during their years stationed in Okinawa, Japan. "We believe that once an animal is welcomed into a home, they are family members for life," explained Maj. Porter. Baron approved of Sasha and the cats, but Piggy got a wide berth.

Baron had no serious health issues until Dec. 2012 when, following a standard dental procedure, he developed a persistent nasal infection and large swelling under his left eye. Baron's veterinarian, Dr. Norman Smith, referred the family to a specialty clinic where diagnostic tests confirmed an extensive nasal tumor poised to move into Baron's brain.

Veterinary medical oncologist Dr. Doug Huber named two places where Baron could be treated and the Porters chose CSU's Flint Animal Cancer Center.

Electing to drive from southern California to Colorado because they believe flying is too stressful for animals, and in Baron's case, too risky, the Porters bought a motor home so the whole family could travel. Glen, Rose, Baron and two calico cats named Bitsie and Gayla would travel during the day and overnight at campgrounds across Arizona, Nevada, Utah and western Colorado. It would be an adventure.

On the way to CSU

After four days on the road, the Porters arrived at the FACC where they reviewed his case with Baron's oncology team. There was no cure, but a series of three, precisely targeted, high-dose radiation treatments would vastly reduce the tumor, return Baron's quality of life, and extend his life. Follow-up chemotherapy would be done back in California with his veterinary oncologists, Dr. Dennis Macy and Dr. Huber at Desert Veterinary Specialists.

For a week, the Porters drove to the hospital every other day, dropping Baron off in the morning, and then parking the motor home in the hospital's equine trailer parking area to wait until pick up time. Throughout their visit, the Porters were "awestruck" by the "courtesy, compassion, and care" shown them by the entire staff; and in particular, the generosity of veterinary radiation oncologist Dr. Hiroto Yoshikawa, who showed them the radiation therapy area, called "The Vault," explaining stereotactic radiation therapy, digital treatment planning, and sharing reminiscences of Okinawa where, like the Porters, he had spent some years.

For the Porters, the hospital experience had been amazing, including a hospital bill less than a third of their estimate, having calculated Baron's treatment costs based on human cancer care.

In appreciation for the outstanding care and the innovative cancer treatment that extended Baron's life, they made a magnanimous gift to the radiation oncology department to support a veterinary radiation oncology resident and further cancer research.

Taking the scenic route home, the Porters accidentally discovered Baron's fascination with trains and often overnighted near railroad tracks. Perched on his bed between the driver's and passenger's seats, Baron would would become mesmerized by the train cars rolling by, until the very last car had disappeared.

Now eight months later, Baron happily patrols his domain, enjoying life and sounding the alarm when those pesky little roadrunners show up.

Baron at home today

New Veterinary Clinical Trials Network Launched along Colorado's Front Range, Lead by Colorado State University's Flint Animal Cancer Center

Pet owners along Colorado's Front Range will now have unique opportunities to participate in clinical cancer research through a new collaborative group that teams a world-class academic veterinary oncology research and treatment facility with several private veterinary specialty clinics.

Lead by Colorado State University's Flint Animal Cancer Center, the first Front Range Oncology Group, or FROG, was launched in September, 2013, with six private practice partners between Fort Collins and the Metro Denver area. Some specific goals behind the development of the FROG network include:

- improved access to advanced, experimental treatment options for more families whose pet has been diagnosed with cancer;
- avoiding long distance travel time, and costs, to and from CSU for pet patient families;
- increasing the number of patients enrolled in clinical trials to better answer key research questions and lessen time to complete trials
- better identification of tumor sub-classifications will allow for more tailored treatment options.

"Clinical trials are the key to advances in cancer treatment, improved quality of life, and life expectancy for cancer patients," said Dr. Susan Lana, professor of clinical oncology and chief of oncology service at the Flint Animal Cancer Center, as well as lead investigator for FROG's first clinical trial. "Access to cancer clinical trials is also an important measure of delivery of comprehensive cancer care."

By expanding access to clinical trials through private practice clinics in the FROG network, the group hopes to raise awareness of the benefits clinical trials offer both the patient and the private specialty practitioner. Often, lack of participation is due to lack of access or lack of awareness on both sides.

The first clinical trial conducted by the partnership is a study of canine lymphoma, one of the most common cancers seen in oncology practices. Considered incurable, little progress has been made over the last two decades in improving lymphoma remission and survival rates. The group hopes to find methods to improve diagnosis, treatment and outcomes for lymphoma patients.

"There is a disadvantage in the small size of most veterinary oncology trials," said Dr. Janet Lori, medical oncologist with the Animal Emergency and Specialty Center in Parker, Colo. "Data collected from academic institutions is limited in size to the small group of clients who are able and willing to travel. With this partnership, we can gather enough participants to provide meaningful numbers and complete the trial in less time."

Clinical data will be shared amongst the veterinary partners, which can improve the quality of care offered to cancer patients. Blood and tissue samples will be collected from each enrolled participant at specific points throughout the trial and all patient characteristics, treatment, laboratory results and outcome data will be entered into the FACC lymphoma database, creating a "knowledge network," for future study of this disease, Lana said.

"The collaboration benefits client families, patients, and clinic staff, as well," said Dr. Tara Britt, surgical oncologist with Four Seasons Veterinary Clinic in Loveland, Colo. "Staff can experience the research side of veterinary medicine along with the hands-on, day-to-day medicine."

Dr. Brooke Fowler, a medical oncologist with Aspen Meadow Veterinary Specialists in Longmont, Colo., another FROG partner, enrolled her own dog in the lymphoma trial as her first patient when he was diagnosed last fall.

"We know so little about lymphoma in dogs compared to what is known in human medicine," said Fowler. "Dogs are diagnosed with…lymphoma, but the sub-classifications are lacking. That makes a difference."

> "Clinical trials are the key to advances in cancer treatment, improved quality of life and life expectancy for cancer patients."
> —Dr. Susan Lana

CSU's Flint Animal Cancer Center has a global reputation in veterinary cancer research and treatment. The FACC is one of 20 participants in the Comparative Oncology Trials Consortium (COTC), a program started in 2003 and managed by the Comparative Oncology Program at the National Cancer Institute to study new therapies in pet dogs with cancer which also benefit human cancer medicine.

Support for the lymphoma study comes from the CSU One Cure initiative and from the Anschutz Foundation in Denver, Colo.

For more information about the lymphoma trial, visit:
http://www.csuanimalcancercenter.org/histopathologic-flow-cytometric-lymphoma

Reader's Survey

Please take a moment to complete our brief reader's survey at:

https://www.surveymonkey.com/s/W5NSV9F

Third Annual One Cure Dinner Raises Funds to Support Clinical Trials, Comparative Cancer Research at the FACC

United by their determination to find a cure for cancer in all species, supporters of Colorado State University's Flint Animal Cancer Center gathered in Denver on April 5, 2014, for the third annual, invitation-only, One Cure fundraising dinner. Themed, "Together We Can," the event raised $268K in support of One Cure's mission: to advance translational cancer research through the Comparative Oncology Clinical Trials program at the Flint Animal Cancer Center.

"Thanks to the commitment and generosity of our supporters, and the hard work and determination of our clinicians and scientists, we will continue to make research advances, through clinical trials, that benefit all species," said Dr. Rodney Page, director of the Flint Animal Cancer Center

Through the generosity of many supporters, including one longtime benefactor who pledged $150K in memory of an award-winning service and rescue dog, more pets will have access to clinical trials, in more locations; and more people with cancer—adults and children-- will benefit from that research, through the efforts of the One Cure initiative.

The Comparative Oncology Clinical Trials program is a collaborative effort between the FACC and the University of Colorado Cancer Center. The teams share research data and insights gained from clinical trials to hopefully improve cancer treatments for people and pets.

"I can find kindred spirits at the Flint Animal Cancer Center to create these multidisciplinary teams that together have the knowledge, expertise and the vision to move the field forward," said Dr. Dan Theodorescu, director of the University of Colorado Cancer Center.

The event was held at Chinook Tavern, a restaurant in Greenwood Village owned by longtime One Cure supporters Rick and Melissa Westerman, who also have been FACC clients. Many center supporters have embraced the One Cure translational concept after witnessing improvements in human cancer treatment that have resulted from treatment modalities first developed for canine patients.

Clockwise from top: Cancer survivor Emily Brown, center, credits a drug therapy developed at the CSU-FACC with her survival. Flanking her are Dr. Joanne Hilden, Children's Hospital-Colorado and Dr. Rod Page, director of the FACC; longtime supporters Rick and Melissa Westerman; One Cure plush toy dog gift bags which include bottles of wine donated from Cru Vin Dogs Winery (http://www.cruvindogs.com/)

Emily Brown's story exemplifies the mission of One Cure in that her treatment involved the collaboration of veterinary and physician oncologists. A native of Colorado Springs, Colo., Emily was diagnosed with osteogenic sarcoma (bone cancer) in her spine when she was 10 years old. After standard care failed, Emily's medical team at Children's Hospital Colorado reached out to Dr. Stephen Withrow at the FACC for anything experimental in veterinary oncology. A new treatment developed for dogs with bone cancer was not approved for use on human patients, but it was approved for Emily on a compassionate-use basis.

That was 17 years ago, and she and her doctors believe that it saved her life. **(http://csuanimalcancercenter.org/emilys-hope)**

About One Cure

Meg Cowan, a client of the Flint Animal Cancer Center, launched the One Cure initiative in 2009 to help support translational cancer research. Like many other supporters, she has lost both a beloved pet and a cherished family member to the disease.

"I believe in the importance of the One Cure initiative, in the research it supports and the hope that it can provide" Cowan said.

To learn more about One Cure, visit http://www.csuanimalcancercenter.org/onecure.

YAPS: Sometimes a best friend is the best medicine…

The Youth and Pet Survivors Program (YAPS) is a pen pal program that matches pediatric oncology patients with dogs and cats who have survived cancer or other serious medical conditions. Children and pets (via their owners) establish relationships and communicate through letter writing. This allows children the unique opportunity to share feelings about having cancer with a safe, unconditionally loving animal. YAPS pet owners report a sense of contribution knowing that their pet's illness can make a difference in a child's life. **www.youthandpetsurvivors.org and http://csuanimalcancercenter.org/fs-yaps**

The Flint Animal Cancer Center has worked with YAPS since it began in 2001. We received this inspiring letter from Natalie Walsh, mother of Daisy, a Children's Hospital-Colorado patient and a YAPS participant, relating her daughter's experience meeting her canine pen pal, Maggi, for the first time.

Over the weekend we drove to meet Maggi, Daisy's furry pen pal from the YAPS program. Daisy could hardly contain her happiness during the long drive and wouldn't let go of the toys she brought for her. Once there, both of our girls presented Maggi with the toys and we all watched as they bubbled over with excitement [as] Maggi enjoyed the toys so much [she] would hardly let go of them! She is a very sweet dog who didn't mind all the fuss from two girls filled with lots of wonder and giggles. I couldn't be happier because seeing the two of them together was just beautiful. No other words really. Daisy has had Maggi's picture…nearly her entire cancer journey and seeing her for the first time was just that. Beautiful. Maggi's mama of course is a key person in all of this…I feel like she is responsible for many of the smiles from our little girl. She takes the time to write the letters [from Maggi to Daisy]. Our family really felt a special bond with this amazing family who gives an extraordinary gift in the form of a letter…. from a dog to our Princess.

—Natalie Walsh

Comings & Goings

Arrivals

Dr. Brendan Boostrom joins us as a new medical oncology resident. Dr. Boostrom received his DVM degree from the University of California-Davis in 2013 and completed his small animal medicine and surgery internship at the University of Pennsylvania's Matthew J. Ryan Veterinary Teaching Hospital in Philadelphia, Pa.

Dr. Katie Stroda arrives as a new medical oncology resident. Dr. Stroda received her DVM degree from Louisiana State University-Baton Rouge in 2013 and completed her small animal internship at the University of Minnesota Veterinary Medical Center.

Dr. Cassandra Prpich joins us as a Fellow of Surgical Oncology. Dr Prpich was previously a surgical resident with Southpaws Specialty Surgery for Animals in Australia and recently passed her board exams recently with the American College of Veterinary Surgeons.

Dr. Katie Kennedy joins the FACC as a Fellow of Surgical Oncology, from the University of Washington-Pullman, where she completed her residency in small animal surgery.

Dr. Lisa Brownlee joins the Comparative Oncology Clinical Trials Service as a research scientist, working with owners to identify appropriate clinical trials, facilitate enrollment for their pets, and perform procedures as indicated by each clinical trial.

Dr. Kristen Weishaar has been named the Clinical Trials Coordinator for the Flint Animal Cancer Center. Dr. Weishaar recently completed her medical oncology residency at the FACC.

Departures

Dr. Michelle Morges has completed her medical oncology residency and will be leaving us for new horizons; and **Dr. Sarah Marvel,** has completed her fellowship in surgical oncology and will also be departing the FACC. Good luck to both!

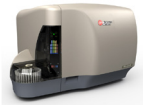
Since 2008, **Bob Provopulos** has overseen all things creative for the FACC: our website, web-based consultation database, facebook page, all print materials and MANY other projects are thanks in large part to him! His particular talent for databases and information will serve him well in his new position as the Manager of Operational Analytics in the office of the Dean of the College of Veterinary Medicine and Biomedical Sciences. We are so grateful for your many contributions and wish you all the very best in your new endeavors!

Wish LIST

Thank you for your continued support! The following items would enhance our ability to provide quality patient care, skilled training for future veterinarians, and strengthen our resources in cancer research. If you would like to help by donating funds toward the purchase of any of these items, please contact Lynda Reed at (970) 297-4175, or e-mail: lreed@colostate.edu. Donations of any amount are most sincerely appreciated.

We would like to thank Ed and Marilyn Hansen of Livermore, Colorado; and Dr. Larry Carpenter of Sturgis, South Dakota, for their generous donations. Thank you!!

MobiUS TC2 Portable Ultrasound unit ($9,300) Handheld portable ultrasound technology can expedite sample collection (urine, tissue aspirates) or help guide biopsies in difficult locations. The system is tablet-based (like an iPad), battery-powered, and easily recharges. The unit would be used in the oncology clinic and by the FACC Clinical Trials Service.



Flow Cytometer ($150,000) We would like to purchase a state-of-the-art Gallios flow cytometer that allows high-speed analysis of up to 10 different fluorescent colors on labeled cells. This would replace our current 12 year-old instrument. This important research tool is used in almost all studies conducted at the FACC, including those in drug therapy, immunotherapy, stem cells, and tumor vaccines.

Medical Grade Gray Scale NEC Monitor with Video Card ($5,000) Most radiation plans require hours identifying tumor and other normal structures on CT or MR imaging. Medical grade, gray scale monitors show 1000 shades of gray, making subtle differences more apparent. These monitors would benefit almost every radiation patient.

19.1 Isoflurane Drager Vaporizer and Small Animal ventilator with Mounting Bracket ($2,500) Radiation oncology must replace some parts on one of our anesthesia stations. We would like to purchase a refurbished isoflurane vaporizer ($500), a bird ventilator with a mounting bracket ($2,000).

Dako Autostainer Link 48 ($55,960/Asking for 1) The Molecular Pathology Laboratory wants to acquire an automated immunohistochemical stainer for use by all FACC students, staff and faculty and the greater campus community. This equipment allows for higher staining quality which will improve our ability to diagnose and classify neoplasms, and investigate new, potentially prognostic tumor markers. This can assist clinicians in counseling clients on tumor behavior and treatment response.

Kinematica™ Polytron™ Homogenizer ($1,601) The pharmacology core laboratory needs a new tissues homogenizer to replace an aging, discontinued homogenizer currently in use. This is an essential tool used daily by researchers as they determine drug levels in various tissues.

Andis Super AGR+ Vet Pack Hair Clippers ($227 each/ Asking for 2) Cordless clippers would free up space in our crowded chemotherapy delivery and procedures room. No cords to trip over, and portable clippers are easily carried into exam rooms for procedures.

Varian Eclipse Treatment Planning Station ($85,000) Treatment planning can become a bottleneck that delays patient treatment and diminishes training time for medical oncology residents. We like to show clients the radiation plan created for their pet but that also requires time. The Trilogy Accelerator is the heart of our program, but the planning system is the brain!

Awards & Announcements

Dr. Susan LaRue, professor in Environmental and Radiological Health Sciences received the Distinguished Alumni Award from the University of Georgia-Atlanta, presented to those who have led outstanding careers in veterinary medicine.

Genevieve Forster, a DVM/PhD student in the Cancer Biology program has been invited to participate in the 64th Lindau Nobel Laureate Meeting in Lindau, Germany, from June 29 to July 4, 2014. This is a prestigious gathering, accepting only the 600 most qualified young researchers worldwide.

Congratulations to **Dr. Stephen Dow** and **Takamitsu Kato** who were awarded pilot grants from the Colorado Clinical and Translation Science Institute. Dr. Dow's study explores *Harnessing Mesenchymal Stem Cell Antimicrobial Activity: Preclinical Evaluation in Dogs with Antibiotic-Resistant Infections*; and Takamitsu Kato, in the Department of Environmental and Radiological Health Sciences, studies the *Evaluation of 64Cu-ATSM, a novel promising dual targeted imaging and radiotherapy agent in a clinical canine translational model of osteosarcoma.*

Dr. Luke Wittenburg has been named Assistant Professor of Clinical Pharmacology in the Department of Clinical Sciences. Wittenburg received his DVM and PhD from CSU and recently achieved board certification in Clinical Pharmacology. He will develop an independent research program and will assist other faculty and staff in study design, teaching and clinical pharmacology consultation. Congratulations, Dr. Wittenburg!

Colorado State University
Robert H. and Mary G. Flint
Animal Cancer Center

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www.csuanimalcancercenter.org

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Robert H. and Mary G. Flint Animal Cancer Center

Newsletter SPRING 2014

Honor Roll Spring 2014

Generous giving from the private sector to the Colorado State University Robert H. and Mary G. Flint Animal Cancer Center has become increasingly important over the years. The following individuals (in alphabetical order) are especially noteworthy in that they have given once, or in a sustained way, more than $25,000 to support the efforts of the CSU Flint Animal Cancer Center. Our heartfelt appreciation goes out to them.

Allen & Company Inc.
Herbert A. Allen
Brett Anderson
Philip F. Anschutz
Anschutz Foundation
Barbara Cox Anthony*
Maj. Gen. John H. Bell*
Elizabeth Brown
Timothy Brown
Don* and Katy Callender
Colorado State University Research Foundation
Margaret Cowan
Sophie and Derek Craighead
Dani's Foundation
Dr. William and Sara DeHoff
Paul Dunbar and Mindy Richards-Dunbar
Walter* and Jaynn Emery
Charles Engelhard Foundation
Gene and Marylynn Fischer
Robert H.* and Mary G. Flint*
Heidi Ganahl
Mari George
Golden Retriever Endowment Fund
Haddington Ventures LLC
Ed and Marilyn Hansen
Jeff* and Renee Harbers
June Harper
Norman Hirschfield Foundation
Mary Fendrich Hulman Charitable Trust
Kate Koogler Canine Cancer Fund Inc.
Limb Preservation Foundation
Lawrence L. Jones III*
Dr. Norman and Ann Jorgensen
Gretchen* and Taylor Joyner
Sam Jr. and Margaret B. Kelly
Lillian M. Key*
Deborah Van Dyke King and Brian King
Eva Knight
Robert Knight
Susan Lefebvre
Robert and Evelyn McKee Foundation
David Merin Foundation
Jay and Sandra Mesinger
Thelma C. Morici
Mark L. Jr.* and Bette M. Morris
National Institutes of Health
Jeffrey Neu
Gary L. and Alice M. Nordloh
Dawn Palmer
Brian and Linda Pardo
David A. and Maxine M. Pierce
Maj. Glen Porter and Rose Porter
Joe and Kay Pyland
Reiman Charitable Foundation
River Terminal Development Company
C.H. Robinson Worldwide Inc.
Richard R. and Nancy C. Rogers
Harold and Cathy M. Roozen
Rotherham Family
Albert and Nancy Sarnoff
Patricia Shay*
Michael and Kathleen Sheldon
Charles R. Jr.* and Lucia H. Shipley*
Shipley Family Foundation
David and Peggy Sokol
Brett F. Stuart
Dr. E. Hadley Stuart Jr.* and Family
Nan Stuart and Eric Bagdikian
Stuart Foundation
The Estate of Maria Bristol
The Estate of Laura Katherine Krebill
The Estate of Lois Maurer
The Estate of Carol E. McCandless
The Estate of Constance C. Ricci
The Estate of Jacquelyn Ann Smith
Bob and Jennie Strayer
The Hadley and Marion Stuart Family Foundation
William V. Taylor
Allison Topham
Dr. Cleve Trimble
Lori Venners
Ted Venners
Veterinary Centers of America Inc.
Bruce Weber and Nan Bush
Melissa and Rick Westerman
Robert and Susan Wilson
Dr. Stephen J. and Susan L. Withrow
Rosamond R. Zetterholm*

**Deceased*

ADVANCING CANCER TREATMENT
through translational research