

eVETS Connect

Quarterly news for alumni of the Cornell University College of Veterinary Medicine

[Home](#) eVETS January 2019

eVETS January 2019

Alumni Association News

[Your Salmon Award nominations are due by May 1!](#)

College News

We want to hear from you! Take part in our survey:

You are invited to share your feedback with the college in this short [survey](#), designed to understand CVM alumni electronic resource needs, particularly of resources that are subscription- or pay-based. Questions? Contact Luanne at lbs8@cornell.edu.

[Cornell veterinarians to provide care at The Westminster Kennel Club's annual dog show](#)

[Cornell veterinarians lead animal outreach trips to Puerto Rico](#)

Alumni Highlights

[Saddles and scholarship: Two Cornell polo alumni receive lifetime achievement awards in equine reproduction](#)

[R. Reed Stevens '85, D.V.M. '00, opens low-cost clinic in Buffalo](#)

[Frank Garry '77, D.V.M. '81, featured on cover of Bovine Veterinarian Magazine](#)

Student News

[Veterinary students bring renowned animal behavior expert Dr. Temple Grandin to Cornell](#)

[Winter is here! Order a personalized soft shell Cornell Vet jacket by Jan. 21!](#)

Events

[VMX Alumni Association, January 20](#)

[Animal Health Hackathon, January 25-27](#)

[WVC Alumni Reception, February 18](#)

[White Coat 2019, March 16](#)

[Graduation 2019, May 26](#)

[Reunion 2019, June 6-9](#)

Contact Us

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Quarterly news for [alumni](#) of the Cornell University College of Veterinary Medicine

[Home](#) [Alumni Association News](#) [Salmon Award for Distinguished Alumni Service](#)

Salmon Award for Distinguished Alumni Service

Established by the Alumni Association in 1986, the Daniel Elmer Salmon Award for Distinguished Alumni Service honors Cornell Veterinary College DVM graduates who have distinguished themselves in service to the profession, their communities or to the College.

The award is named in honor of Cornell's first DVM graduate, who is remembered for his pioneering work in controlling contagious animal diseases in the early 20th century. [D.E. Salmon was one of Dr. James Law's first students](#) when Cornell University opened its doors in 1868. He received the Bachelor of Veterinary Science degree in 1872 and entered practice in Newark, NJ. He continued his advanced research at Cornell and in 1876 he was awarded the Doctor of Veterinary Medicine degree. This was the first DVM degree to be awarded in the United States of America.

Help us honor our graduates by nominating a Cornell graduate. *Nominations are accepted throughout the year until May 1. **Should a nominator wish to re-nominate an alumnus/a from the previous year, a revised nomination form must be completed for the candidate to be considered.*** The recipient of the award is notified by September 1.

[Submit your Nomination Online](#)

[Paper Nomination](#)

Nomination should not exceed 1,000 words in total.

Nomination form and supporting materials must be postmarked and received by **May 1, 2019** to be considered for 2019.

Previous Award Recipients

Click on name of recipient to read article

Year Received	Name
1986	Arthur Gordon Danks* '33 , Ellis Pierson Leonard* '34 , Frederick O. Wright* '41
1987	John D. Murray* '39

1989	Stephen J. Roberts* '38
1991	Robert E. Clark* '52
1994	Richard C. Grambow '57, Robert W. Kirk* '46, Richard A. Smith* '51
1996	Stanley M. Aldrich* '50 , Louis C. Schimoler* '47 .
1997	John J. Brennan '52
1998	Francis H. Fox *'45
1999	Robert V. Manning* '55
2000	Robert E. Lynk '61, Harold W. Zweighaft* '56
2001	Robert B. Hillman '55
2002	John D. Shumway '56
2003	George W. Abbott* '45
2004	Robert F. Kahrs '54
2008	Alexander de Lahunta '58
2009	Fredric W. Scott '62
2010	Stephen J. Ettinger '64
2011	N. Joel Edwards '64
2012	Jeanne A. Barsanti '74
2013	James F. Peddie '65
2014	Lila T. Miller '77 (CALS '74).
2015	Paul D. Pion '83
2016	Robert R. Marshak '45
2017	Ann E. Dwyer '83 , Donald H. Lein '57 .
2018	N. Bruce Haynes '52* (awarded posthumously)  Salmon Award Actual Speech.pdf (223.54 KB) by daughter Beth Haynes Hadley
* – deceased	

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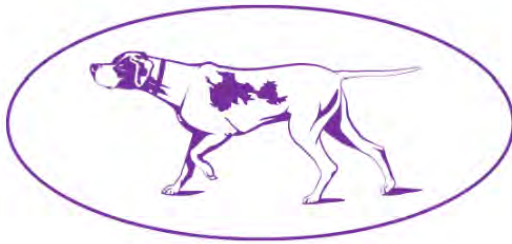


Cornell University College of Veterinary Medicine

[CVM](#) > [News](#) >

Cornell veterinarians to provide care at The Westminster Kennel Club's annual dog show

🐾 Monday, December 10, 2018 - 10:19am



Cornell University
College of Veterinary Medicine

The Cornell University College of Veterinary Medicine (CVM) and its satellite clinic, Cornell University Veterinary Specialists (CUVS), will be the official veterinary care providers for the 143rd annual Westminster Dog Show happening February in New York City.

This first collaboration marks the beginning of a multi-year partnership between Cornell and The Westminster Kennel Club.

The Westminster Kennel Club is world-renowned for its Best in Show event, but also holds events in Agility and Obedience competitions.

"The Westminster Kennel Club is excited to have Cornell as our veterinary care provider," said Westminster Kennel Club President Charlton Reynders, III. "Their world-class knowledge and training in veterinary medicine makes them the ideal partner for our iconic event, and we plan to strengthen this collaboration in the future."

"We greatly look forward to working with The Westminster Kennel Club," said Lorin Warnick, D.V.M., Ph.D. '94, Austin O. Hooey Dean of Veterinary Medicine. "This relationship will be a rewarding one for both Cornell and Westminster as we exchange our expertise and enthusiasm for dogs of every shape and size."

As part of this partnership, CVM and CUVS veterinarians will be on-call for the duration of the Westminster show, providing treatment and consultation for all animal guests of the event. A Cornell booth will present Q&A sessions and other informational activities and resources. Attendees will have the opportunity to learn more about specialty services, basic veterinary care and clinical trials carried out at CVM and CUVS.

###

About The Westminster Kennel Club – The Westminster Kennel Club is America's oldest organization dedicated to the sport of purebred dogs. Established in 1877, Westminster's influence has been felt for more than a century through its famous all-breed, bench dog show held every year in New York City. Today 204 breeds and varieties of dogs compete in Best of Breed judging at Piers 92/94 with the winners advancing to Group and Best in Show competitions at Madison Square Garden. America's dog show has expanded into Westminster Week which includes the Masters Agility Championship at Westminster and the Masters Obedience Championship at Westminster, both held at Pier 94. More than 3,000 dogs entered from around the world compete in these events, making Westminster Week like no other. Westminster. *There's only one.* ^(R) Follow us @WKCDogs or visit: westminsterkennelclub.org.

About The Cornell University College of Veterinary Medicine: [The Cornell University College of Veterinary Medicine](#) seeks to lead, enable, and inspire others to attain a healthier world for animals and people. Consistently ranked among the top veterinary schools in the world, the college is a global leader in outstanding multidisciplinary clinical and diagnostic services as well as exemplary animal care. The college continuously produces a stream of scientific breakthroughs while also preparing students, veterinarians and scientists to assume vital roles in scientific inquiry, local and global health, public policy and clinical, population and diagnostic veterinary medicine.

[Cornell's Companion Animal Hospital](#) is dedicated to advancing the health and well-being of animals. From sports medicine and rehabilitation to cardiology and dermatology, the Ithaca, N.Y., hospital offers world-class care in over 20 specialties.

[Cornell University Veterinary Specialists](#) in Stamford, Conn., redefines specialty and emergency veterinary care by providing the best-possible medical expertise and care for each patient and the pet's family through authentic, compassionate communication and service.



Cornell University College of Veterinary Medicine

[CVM](#) > [News](#) >

Cornell veterinarians lead animal outreach trips to Puerto Rico

🐾 Wednesday, November 14, 2018 - 12:36pm



Brenda Payne, administrative assistant in the Department of Population Medicine and Diagnostic Services, provided essential logistics support during the Spayathon for Puerto Rico. Photo by the Humane Society.

Even before Hurricane Maria struck Puerto Rico in September 2017, an estimated 300,000 stray dogs and 1 million stray cats roamed the island. After the Category 5 hurricane hit, family pets became separated from their owners, regular spay/neuter operations for strays ceased and few animal shelters could function because of the island's fractured infrastructure. Now, veterinarians from the College of Veterinary Medicine are leading service trips as part of a national initiative to alleviate these difficult conditions.

Organized by the Humane Society of the United States, the Spayathon for Puerto Rico initiative is bringing volunteers from a coalition of organizations together to perform high-quality, high-volume spay/neuter and vaccination services. During four visits over the course of a year, eight separate clinics will operate simultaneously across the island to meet

the Humane Society's goal of reaching at least 30,000 animals by May 2019. They treated approximately 5,600 animals this summer during the first round.

"The Spayathon is about reaching animals in crisis as well as providing a sustainable and replicable model for the future," said Elizabeth Berliner, D.V.M. '03, the Janet L. Swanson Director of Shelter Medicine. Last week, Berliner led a team of experts from Maddie's® Shelter Medicine Program to the city of San Germán as part of the Spayathon's second round of outreach trips.

"We treated exactly 600 animals in seven days, exceeding our initial goal of 500," said Berliner. All told, the second round saw over 8,000 animals treated, bringing the current Spayathon count to 15,572. Berliner will lead two additional trips this winter during the third and fourth rounds of Spayathon visits.

Hurricane Maria was the costliest natural disaster in the island's history, incurring \$95 billion in damages across the storm's path and an estimated over 4,000 human casualties. Many of the unincorporated territory's 3.3 million residents found they could not care for their pet after the storm, and animal shelters were quickly overwhelmed.

"It was inspiring to see what could be accomplished with limited people and resources, including basics like electricity," said Sarah Ericksen, a fourth-year veterinary student. "Whatever challenge we faced, we found a way to solve it because we knew how much it meant to everyone." Most pet owners waited in hot temperatures for hours, often overnight, to ensure their dog or cat would be seen, said Ericksen.

Providing these services to thousands of animals at no cost to their owners or the shelters will help both the people of Puerto Rico and their pets recover. It will also reduce the risk of transmission of zoonotic diseases like rabies and leptospirosis that comes from a high density of stray animals.



A patient waits for his turn to be neutered in business casual attire. Photo by the Humane Society.



The last clinic patient, Montesquieu, with owner, Luis. Luis told the Cornell team, "Montesquieu is like my son. I love him more than anything." Photo by the Humane Society.

"In the years prior to Hurricane Maria, some shelters were already euthanizing more than 95 percent of their intake. Because of the hurricane's effects, their intake numbers have risen dramatically," said Berliner.


In addition to treating animals, a core component of the initiative is to create a lasting spay/neuter infrastructure in Puerto Rico. One way they are accomplishing this is by training veterinary professionals from the island in high-quality, high-volume spay/neuter and vaccination techniques.

"The sustainability factor is extraordinarily important," said Berliner. "Island veterinarians and technicians will be able to apply their training even after the Spayathon concludes. Their ability to continue contributing to the effort is critical to enacting sustainable change for both the animals and people of Puerto Rico."

The Spayathon will also be donating all of the surgical equipment, supplies and other remaining assets at the end of the campaign, contributing to an estimated cost of \$1.6 million worth of free services, materials and donated time.

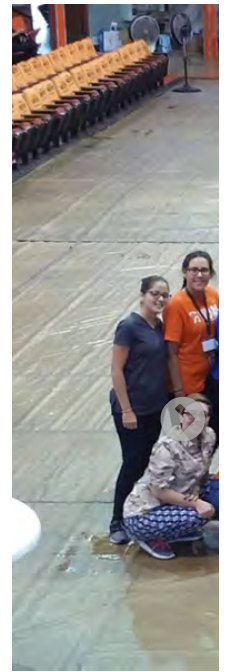
By Melanie Greaver Cordova

Wednesday, November 14, 2018 - 12:30pm

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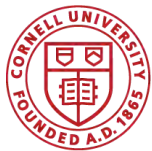


Elizabeth Berliner, D.V.M. '03, the Janet L. Swanson Director of Shelter Medicine. Berliner has a great passion for Chihuahuas, of which there were many in San German. Photo by the Humane Society.



Each member of the





Cornell University College of Veterinary Medicine

[CVM](#) > [News](#) >

Saddles and scholarship: Two Cornell polo alumni receive lifetime achievement awards in equine reproduction

🐾 Wednesday, November 7, 2018 - 11:07am



Polo coach Stephen Roberts, D.V.M. '38, with the 1968-1969 Cornell Polo Team varsity players. On horseback, left to right: Dan Ladd, Dr. Doug Antczak '69 and Bill Armstrong '70. Standing, left to right: Paul Wilson and Jeff Springer '69.

They both grew up riding horses, joined the polo team as Cornell undergraduates and dedicated their careers to the field of equine reproduction.

But each chose a different path: Dr. Doug Antczak '69 became a professor at the College of Veterinary Medicine, where he has conducted groundbreaking research in equine pregnancy, while Walter Zent '59, D.V.M. '63, joined one of the world's top equine practices and specialized in Thoroughbred breeding in Kentucky.

Their contributions to the field were recently recognized by the International Symposium on Equine Reproduction (ISER), which presented Antczak and Zent with Lifetime Achievement Awards. They were among five veterinarians and scientists from the United States, Canada and England who were honored this summer at the ISER meeting in Cambridge, England.

Antczak, the Dorothy Havemeyer McConville Professor of Equine Medicine at the Baker Institute for Animal Health, has made pioneering discoveries in equine reproduction over the past 40 years. His work has focused on the mother's immune system during pregnancy and the role of the placenta in protecting the embryo from potentially lethal maternal immune responses.

Zent, recently retired from Hagyard Equine Medical Institute in Lexington, was honored for his contributions to Thoroughbred breeding management, a subject on which he has published widely and presented to equine organizations across the country.

While it might seem surprising that two of the five inaugural ISER awards were given to former Cornell polo players, Antczak offered a possible explanation for this unlikely event. When he and Zent were students at Cornell, they were mentored by Cornell's legendary polo coach, Stephen Roberts, D.V.M. '38, who began a tradition of excellence in the sport that continues today.

“ I was recognized for my research, but research, like polo, is a team endeavor.”

Dr. Doug Antczak '69,
recipient of an inaugural
ISER Lifetime
Achievement Award

“Cornell's polo program is recognized as the strongest in the country, with a combined 26 national championships for the men's and women's teams,” Antczak said. “This total also makes polo one of the most successful and distinctive athletic programs of any sport at Cornell.”

Roberts, who died in 2005, is credited with initiating the so-called “split string” approach to assigning horses to visiting and home teams. In intercollegiate polo, players travel to away games and ride horses maintained by the hosting college. Each horse plays two of the four periods in games, and Roberts designed a method that allowed each horse to be played by both the visiting and home team. The tactic leveled the playing field and meant that the quality of the players, not their horses, determined the outcome of the games.

Another of Roberts' major achievement was making polo accessible to students of modest means by operating a no-frills program. He developed strong connections with polo players around the country who donated horses to Cornell and ensured that each player participated in the chores necessary to maintain the Cornell polo horses in top condition.

Antczak fondly remembered the social gatherings Roberts and his wife would host at their home for Cornell's and the opposing teams after every polo match. “It was just good sportsmanship and hospitality,” Antczak said. “But it left us all with the sense that it was our obligation to continue this tradition after we left Cornell and to apply it to other aspects of our lives.”

Roberts had another full career outside of his polo coaching duties as a professor in Cornell's College of Veterinary Medicine. He was chairman of the Department of Large Animal Medicine, served on many national committees in veterinary medicine and authored a widely used textbook on veterinary obstetrics and reproductive medicine.

With Roberts at the helm, the Cornell polo program attracted scores of students eager to gain acceptance to the veterinary college, and Antczak said it is not altogether surprising that two Cornell polo alumni advanced to careers in

equine reproduction.

Antczak and Zent, who attended Cornell a decade apart, first met while playing in the Cornell Veterinary Faculty vs. Veterinary Alumni polo matches in the 1980s that raised funds for the Cornell polo teams. Both veterinarians learned to play polo after they first arrived at Cornell. Antczak, who grew up riding horses in Waterbury, Connecticut, was elected captain of the Cornell polo team in his senior year.

Zent began riding horses in his hometown of East Aurora, New York and worked at the harness track at the Buffalo Raceway. After transferring to Cornell from Oklahoma State, he played polo for one year and then entered the veterinary college, and continued on the team for another year.

“I didn’t really participate a whole lot in the actual games,” Zent said. “I wasn’t the mainstay of the polo team. But I enjoyed doing it, and I was around people who were interested in horses.”

Since meeting at a polo match, the two veterinarians saw each other frequently at Cornell, in Lexington and at equine conferences around the world. Zent was president of the Society for Theriogenology and a committee member of ISER, while Antczak has given lectures on equine reproduction around the world for the past 25 years.

They didn’t expect to meet at ISER’s Twelfth International Symposium last July and were surprised to find just after arriving that they were two of the five recipients of the Lifetime Achievement Award.

“I sort of felt like there were a lot of people who had maybe done more than me. Most of what I’ve done is clinical, but I was proud to get it,” said Zent, who, despite his modesty, played a major role in developing the Hagyard Equine Medical Institute into one of the premier centers in the world for equine medical care.

Antczak said he also felt a bit of discomfort at receiving the award. “I was recognized for my research, but research, like polo, is a team endeavor. The accomplishments of my laboratory were made possible by the combined efforts of the graduate students, technical staff and veterinary students who have worked with me over the years, and our amazing collaborators at Cornell and in other academic and clinical centers around the world.”

By Sherrie Negrea



Since meeting at a polo match, Drs. Doug Antczak (left) and Walter Zent saw each other frequently at Cornell, in Lexington and at equine conferences around the world. They are pictured here after receiving lifetime achievement awards from the International Symposium on Equine Reproduction. Photo by Stephen Patton, University of Kentucky.



Cornell University College of Veterinary Medicine

CVM > News >

R. Reed Stevens '85, D.V.M. '00, opens low-cost clinic in Buffalo

🐾 Tuesday, December 11, 2018 - 3:54pm



Operating a veterinary practice in Buffalo, which has the third highest poverty rate among the nation's largest cities, was not an easy proposition for R. Reed Stevens '85, D.V.M. '00, when he bought the Ellicott Small Animal Hospital in a downtown neighborhood in 2006.

A native of Buffalo, Reed quickly noticed that the hospital was serving two types of clients: those who wanted the highest level of care for their pets, and those who could only pay the bare minimum to help their pets get by. The first set of clients was spending \$250 and up per visit, while the second group would pay no more than \$75.

"I started looking at what is the average income in Buffalo, and I said, 'Wait a second. I've got an issue here,'" Stevens recalls. "I was trying to run two practices in one."

Then Stevens had an epiphany while attending services one Sunday at the Westminster Presbyterian Church in Buffalo. The minister was asking the congregants how they could help rebuild the west side of Buffalo, home to increasing numbers of Hispanic, Somali, Asian and Burmese residents. Stevens immediately thought of what he could contribute to the neighborhood: a new clinic for residents who could only afford basic veterinary care for their pets. “The whole idea struck me that it could actually allow me to help my community, solve a problem with my practice as well as reach in and serve people. We could meet them where they are geographically and financially,” Stevens says.

In 2014, the West Side Pet Clinic opened in a former coffee warehouse on Niagara Street and offers a limited number of services at reduced prices: \$39 for a physical exam, \$15 for a heartworm test and \$25 for core vaccine packages for dogs and cats. The clinic, which has not raised prices since it opened, was co-founded by Stevens and Susan Sickels ’77, D.V.M. ’82, a colleague from Ellicott Small Animal Hospital.

The response in the community was so overwhelming that the clinic is moving to a 2,000-square-foot storefront next door that will more than double the size of the practice. Because of the expansion, the clinic would be able to increase the number of exam rooms from two to four and add a lunch room for the staff.

Stevens is thankful to the College of Veterinary Medicine for helping him discover the career that has allowed him to make a difference in the lives of his clients and his community. After graduating from Cornell with a degree in agricultural economics, he spent 10 years working at Nestle Purina and was an international market manager in Taiwan before deciding to switch careers.

While visiting Buffalo for the holidays in 1994, he visited Jim Brown, D.V.M. ’86, his former eighth grade history teacher who had become a veterinarian. “I sat with him in his lobby and it hit me like a ton of bricks,” Stevens says. “This is what you were meant to do.”

His decision was confirmed the first day he walked into class at the veterinary college and his group examined the case of a beagle that had been shot by an arrow. “All of a sudden, for the first time in my life, I had a reason to learn,” he says. “I was learning because in four years, I was going to be asked questions like these.”

“ I sat with him in his lobby and it hit me like a ton of bricks. This is what you were meant to do.”

Owning a veterinary practice was always a goal for Stevens because of his interest in the entrepreneurial side of the profession. He worked in six different animal hospitals before he bought Ellicott Animal Hospital from Frank Yartz ’69, D.V.M. ’73, the same practice where he had taken his Brittany spaniel and cat as a kid.

As a member of the Veterinary Study Groups, Inc., which provides support to independent practitioners, Stevens attended conferences where industry consultants encouraged the veterinarians to raise prices for their clients and not pay attention to the needs of low-income pet owners. By opening the West Side Pet Clinic, however, Stevens has decided to ignore that advice.

“Running two practices with completely different structures in the same catchment area has its challenges, but we refuse to give up on our lower-end clientele,” he says. “They need help, and in many ways, they need more help than the people who can afford to pay more.”

By Sherrie Negrea

BOVINE VETERINARIAN

HEALTH. BUSINESS. WELL-BEING.

A FARM JOURNAL PUBLICATION

NOVEMBER/DECEMBER 2018

FRANK GARRY, DVM, MS
Colorado State University

MAKE YOURSELF INDISPENSABLE

page 6

LEARN
BLOCKING
BASICS
page 10

BUILD A
DEDICATED
TEAM
page 14



PHOTO: BRIGGS/ISTOCK

6 THE INDISPENSABLE VETERINARIAN
Sustainable practice strategies involve expanding services to help clients adapt and thrive.

10 BLOCKING BASICS
Timely and diligent blocking alleviates foot pain and protects dairy performance.

ASSOCIATION NEWS
Read the latest news and information from your professional organizations.

22 National Institute for Animal Agriculture

14 BUILD A DEDICATED TEAM
Veterinarians can help clients engage in positive negotiations within livestock crews.

20 NUTRITIONIST CORNER: CHANGES, CHALLENGES, PROBLEMS
Nutritionists, feedyard teams need to adapt to a rapidly evolving industry.

26 BRIEFS
AABP updates, awards, leadership changes and upcoming events.

32 CAMPUS CONNECTION
Thoughts and theories from our panel of veterinary students.

ON THE COVER



Dr. Frank Garry, at Colorado State University, encourages practitioners to collaborate with clients to build a service model that benefits the operation's long-term success.

PHOTO: JOHN MADON

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The Indispensable Veterinarian

Sustainable practice strategies involve expanding services to help clients adapt and thrive.

BY JOHN MADAY

When a producer knows he or she has an animal-health problem and contacts a veterinarian for help, the conversation and process are fairly straightforward. But in many cases, the most valuable service involves solving problems about which the producer is unaware.

That process might require the veterinarian to learn and practice new skills, including, perhaps most importantly, higher-level communication with the client.

This year's American Association of Bovine Practitioners (AABP) conference followed a theme of "Become

One of these, Dr. David Brennan from Ashland, Ohio, purchased his practice from Dr. K. Fred Gingrich, who now serves as executive vice president of AABP. Brennan stresses that the role of rural veterinarians has changed, with more emphasis on consultation services including designing and monitoring protocols, analyzing performance data, evaluating facilities for cattle health and welfare, nutritional services and others, rather than "fire-engine medicine."

Brennan says while some areas are underserved, there is no real shortage of food-animal veterinarians. In order to attract young associates, rural practices need to stay up-to-date

benefitting those communities.

Dr. Arn Anderson, a beef practitioner based in Bowie, Texas, purchased several practices in north-central Texas, including one in Graham that was originally established by Dr. Glenn Rogers, who now ranches and remains active in veterinary medicine, including serving as current president at AABP.

Anderson says that "rural practice is not obsolete or outdated, but practitioners need to be willing to change and offer what producers need."

Veterinarians need to help their clients make money, and sometimes, Anderson says, opportunities emerge with services clients do not know they need. Veterinarians, with their medical training and exposure to multiple operations and production systems, often can identify ways to reduce costs or increase returns that the producer might never consider. He stresses a need for communication and client education to help create awareness of those opportunities.

Use newsletters, producer meetings or other avenues to inform clients of industry trends, emerging technologies and, especially, the value your practice can provide beyond traditional clinical services.



"Rural practice is not obsolete or outdated, but practitioners need to be willing to change and offer what producers need."

—Dr. Arn Anderson, Bowie, Texas

Indispensable." Many of the presentations explored ways practitioners can build their business by expanding services and helping clients become more successful.

BOVINE PRACTICE: WELL POSITIONED FOR THE FUTURE

While the need for change and adaptation remains critical, bovine veterinary practice will continue to thrive. Two veterinarians who recently purchased established practices delivered that message.

and provide opportunities for young veterinarians to practice a full range of skills.

Brennan utilized the USDA's Veterinary Medicine Loan Repayment Program (VMLRP) to help him get started in rural practice in 2008. After 10 years, he purchased the practice in what he calls a natural progression. The VMLRP, he says, provides a double win, enabling young veterinarians to establish themselves in rural practices where their services are needed while also

FLYING SOLO

One of the short "Practice Tips" sessions featured Em Mowrer, DVM, outlining how she built a solo practice in southeastern Ohio, an area comprised mainly of small farmers who traditionally only called on a veterinarian when they had an animal-health emergency.

Starting "from scratch," Mowrer says her first steps involved an honest assessment of her own abilities, strengths, weaknesses and professional goals, needs of local producers, services she wanted to provide and what she would need to effectively serve producers in the area.

She quickly recognized a need for education regarding animal-health practices, prevention of disease and production problems. Area farmers were hungry for information, with her first client meeting attracting about 75 producers.

Based on her experience, she offered these tips for other young practitioners starting solo practices:

- Be frugal but invest in what you need. While Mowrer concentrates on keeping overhead costs low, she has invested in equipment based on service goals, such as hull-soundness exams, ultrasound equipment, a portable chute and, initially, a well-used truck. "Beware of the shiny-object syndrome," she says. Limit spending to equipment and supplies that will generate revenue for the practice.

- Your practice is a business; run it like one. Farmers like to pinch pennies, but they know the veterinarian needs to make ends meet, so charge appropriately and don't be embarrassed by success.

- Be available, follow up on farm calls and ask about the progress of animals you've treated. Text messaging is an easy and efficient way to



In launching her solo practice, Dr. Em Mowrer focused on identifying needed services, limiting expenses and building relationships with producers.

check in regularly. "They don't care how much you know," Mowrer says. "until they know how much you care."

FOCUS ON WHAT REALLY MATTERS

The traditional model for how bovine veterinarians interact with clients—responding to problems and providing diagnostic services—will not, alone, sustain veterinary practices in the future. Instead, veterinarians need to spend more time addressing clients' big-picture goals, says Colorado State University Extension veterinarian Frank Garry.

Garry says the traditional model of providing routine services falls short, with non-veterinarian technicians

"We create demand through education."

—Dr. Frank Garry,
Colorado State University



increasingly handling those services. Providing worker education, screening for infectious diseases, monitoring outcomes and addressing the impacts of subclinical disease are more likely to help clients minimize health risks, decrease production costs and boost profits.

Also, Garry says the old model assumes the producer knows the need and asks for service.

Many producers might not even recognize the potential for employing additional services that could benefit their businesses. In the 2014 dairy survey from the USDA's National Animal Health Monitoring System, producers who were asked how they utilize their veterinarians generally listed treating disease and technical services on top, with employee training and other value-added services falling further down the list.

Veterinarians, Garry says, often could build their practice while helping clients succeed by offering assistance with culling decisions, mortality diagnostics, proactive health monitoring, worker training and education, detailed protocols for vaccine and antibiotic use, investigation of performance or reproduction shortfalls, animal welfare issues and more.

Garry also notes that changes in production practices, adopted for legitimate reasons, can have unintended consequences. Free-stall dairy barns, for example, generate production efficiencies but can have unfavorable consequences on animal health and welfare. The veterinarian can help minimize unintended consequences by determining

benchmarks and monitoring metrics as operations adopt new practices.

Workers in large beef and dairy operations have replaced owners and managers as primary animal caregivers, Garry says. Veterinarians, by working closely with crews and providing ongoing education, can keep operations on track toward meeting health and performance goals. "We create demand through education," he says. ➔

KEEP CLIENTS ASKING FOR MORE

Expanding on the theme, long-time Purdue veterinarian Mark Hilton, now with Elanco Animal Health, led a presentation titled "How to Keep Beef Producers Asking for More."

Rather than just perfecting skills learned years ago, driving further and working longer hours to reach new clients, Hilton encourages veterinarians to do more with the clients you have. Often, he says, clients accustomed to limiting their veterinarian contact to emergencies do not realize how more in-depth veterinary consultations could benefit their businesses. "The most important step in developing a new service," Hilton says, "is to offer it."

Hilton suggests arranging a consultation visit that is separate from your clinical visits and assuring the client knows you want to be an asset to the operation. Ask about business goals



"Keep notes and ask questions that allow you and the client to arrive at solutions together."

—Dr. Mark Hilton, Elanco Animal Health

and dive deeply into barriers preventing them from achieving those goals. Listen to understand, not to respond. "Keep notes and ask questions that allow you and the client to arrive at solutions together. Consider leading producer study groups, in which you serve as coach and facilitator while clients learn from each other and identify areas where they could benefit from your expertise," he suggests.

SYSTEMS THINKING IN BOVINE PRACTICE

Farmers and ranchers develop a natural affinity toward "systems thinking," says John Groves, DVM, with Livestock Vet Services in Eldon, Missouri. They understand that agricultural

production is a complex system, involving interactions between plants, animals, sunlight, soil, water, microbes and many other factors. Systems thinking, as a means of problem solving, involves big-picture consideration of all those factors, instead of linear cause-and-effect thinking.

Veterinarians, Groves says, generally follow a linear thought process based on their training. In a disease-outbreak event, they look at herd history and signs of illness, conduct examinations, determine a differential diagnosis, then a final diagnosis, treat the animals and monitor the results. In a systems approach, the veterinarian still treats the sickness for a short-term solution but also looks further to identify trends, patterns and the forces involved in the disease event.

For example, if high morbidity in stocker cattle relates back to poor preconditioning and weaning practices, linear thinking might suggest paying lower prices for those calves. Systems thinking would involve going back to the cow-calf herds, identifying weaknesses and instituting changes to improve calf health and immunity.

Groves notes, though, that systems tend to resist change, and real leverage points in a system often are displaced in space and time from the "symptoms." Sometimes long-term solutions involve short-term pain, such as a cow-calf producer accepting higher preconditioning costs in hopes of eventually earning higher returns. *EV*

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Veterinary students bring renowned animal behavior expert Dr. Temple Grandin to Cornell

🐾 Wednesday, November 28, 2018 - 4:00pm



Dr. Temple Grandin, the prominent author on autism and animal behavior, visited Cornell on November 13 to share her unique perspective on animal behavior and livestock husbandry and to meet with students, faculty and other members of the Cornell community. Her visit was organized by student members of the American Association of Bovine Practitioners (AABP) club and supported by the Cornell Dairy Center of Excellence.

According to organizers and third-year students Olivia Cox and Amber Forrestal, bringing the world-renowned animal behaviorist to Cornell felt far-fetched at first. As members of the Cornell AABP club, they wanted to invite speakers that have made a real impact on the cattle industry. “After letting the idea percolate for a few days, we decided that there could be no harm in reaching out to her,” said Cox. “We were both delighted and shocked to get such an enthusiastic response from Temple.”

Grandin, a professor of animal science at Colorado State University, has made the Time 100 list of the people who most affect our world, and is the subject of an Emmy Award-winning HBO film. More than half the cattle in North America are raised and processed in systems designed by Grandin. “Temple has revolutionized animal welfare, particularly the production animal industry,” said Forrester. “She reminds all of us that animals are highly emotional, sensitive beings and that understanding their behavior can help us better serve them as veterinarians.”

Grandin’s visit included a tour and a dinner at the Cornell Teaching Dairy Barn (TDB) where she shared her observations of the operation. “She was so impressed by the comfort level of our ‘ladies’ that she took her phone out mid-tour and exclaimed, ‘Now THAT’S a comfy cow!’ while snapping a photo,” Cox recounts. “She later told us that she planned to use the photo as an example of a happy cow in her work.”

Grandin was also able to help troubleshoot some areas. “We asked her to look at a few places in the barn where cows tend to get nervous, and she made some recommendations for improving footing to limit slipping thereby keeping the cows calm,” said TDB Director Blake Nguyen, D.V.M. ’12.



Dr. Temple Grandin toured the Cornell Teaching Dairy Barn with Director Blake Nguyen, D.V.M. '12, and veterinary students.

Grandin gave two lectures — the first, on bovine stockmanship, and the second, on animal behavior and autism — both to a packed lecture hall, where Grandin drew laughter from the crowd on many occasions with her unvarnished opinions and observations.

On cattle husbandry: “Good stockmanship requires time and a lot of people aren’t willing to spend the time. ... You can go buy a fancy new milking parlor, but it’s not going to work without good management.”

On dogs and their need for human interaction: “What would I rather have, chain link fences with a great volunteer program, or a fancy dancy [facility] with no volunteers to play with the dog? I’ll take the one with the chain link fence and the volunteers.”

Grandin's viewpoints come from experience — animals think in pictures — just as she does. This alignment in thinking allowed Grandin to revolutionize animal welfare, particularly in the cattle industry, where her insights have led to more humane and comfortable facility designs. She continues to use her image-based thinking to improve facilities — pointing out the errant hanging chain or flapping paper towel that causes cattle to balk or freeze. “I want to stress the importance of being a good observer when working with animals,” said Grandin. “It doesn’t matter if you’re working with livestock or dogs and cats.”

Grandin credits her power of observation to her autism — noting how this condition should be used and viewed as a strength as opposed to a disability. “Einstein probably had autism. Same with Steve Jobs and Edison,” she said. “The same genes that make people have a big brain are the same genes that cause autism...so you can’t get rid of it. It’s embedded. If we did get rid of it, we’d probably still be living in caves.”

Grandin's message on leveraging one's unique strengths struck home for Forrestal, who noted, “We hope that her attitude of embracing the parts of herself that make her unique is an encouragement to anyone who feels held back by their differences.”

-By Lauren Cahoon Roberts

Photography by Rachel Philipson

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Alumni Affairs & Development

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Associate Director

Alumni Affairs and Student Programming

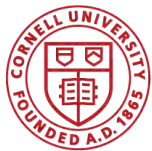
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Alumni Receptions

Veterinary Meeting Expo (VMX)/ Formerly NAVC

January 19-23, 2019

Alumni Reception, January 20

7:00-9:00pm

Hyatt Regency Orlando, Orlando FL

Room: Orlando Ballroom N (Convention Level)

Western Veterinary Conference

February 17-20, 2019

Alumni Reception - February 18

8:00-9:30pm

Mandalay Bay, Las Vegas NV

Room - Surf F, Level 2

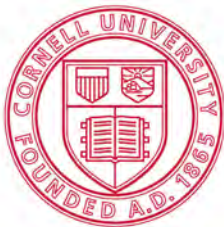
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WHAT IS A HACKATHON

A hackathon celebrates the use of minimal resources and maximum brain power to create outside-the-box solutions ("hacks") in a constrained time frame. This interdisciplinary event brings together students from across degrees, majors, and schools at Cornell, as well as other universities! On Friday evening, teams comprised of veterinary, business, engineering, and design students, form and begin to create solutions to needs in veterinary health care. On Saturday, mentors provide feedback and guidance to teams. On Sunday, the hackathon culminates in a project showcase to an audience of peers, mentors and representatives. A panel of judges select winners and award **\$8,000** to winning teams.

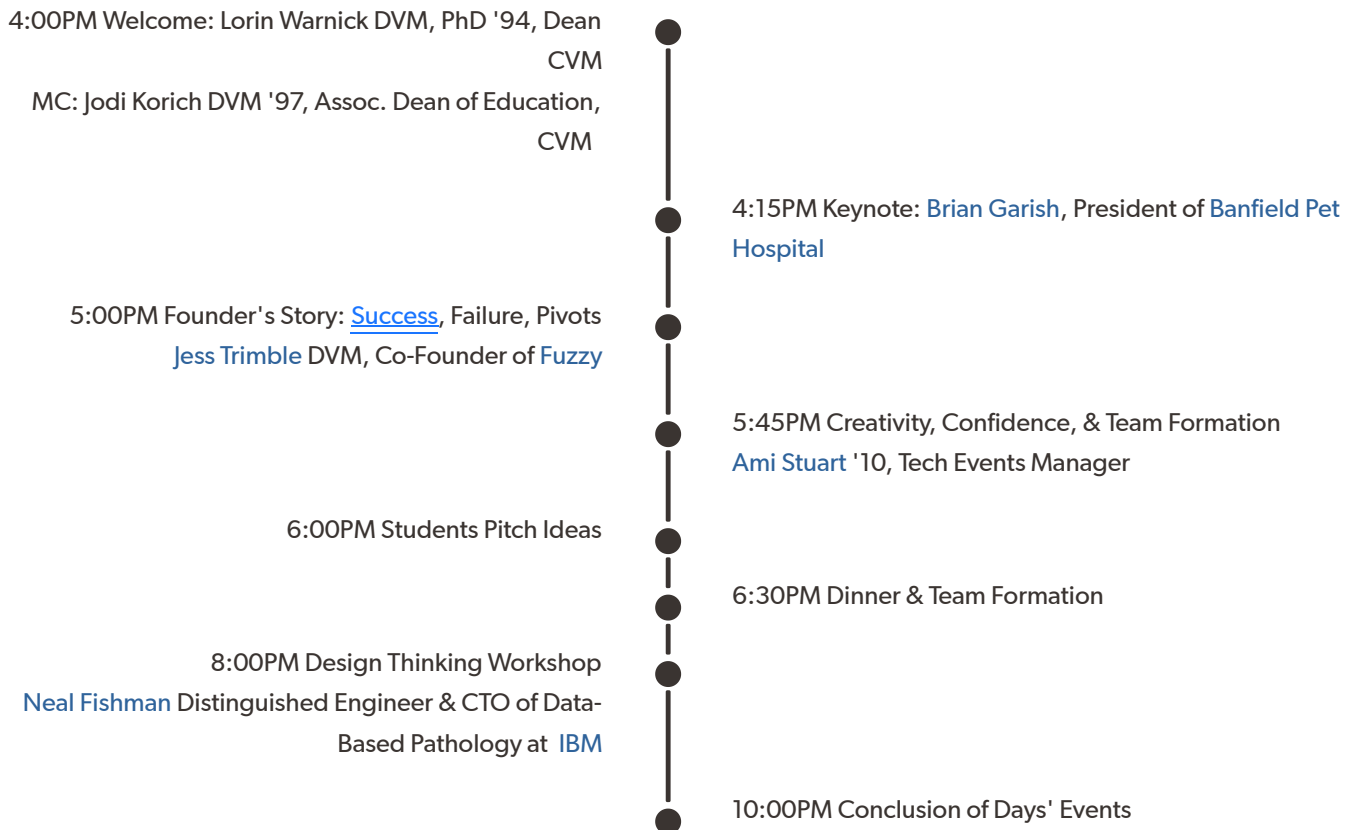
Students benefits from participation:

- Professional development: Build valuable competencies applicable in academic, corporate, and clinical careers, including idea generation, project management, communications and beyond
- Cross-discipline interaction: Work closely with students from other universities and Cornell colleges
- Industry leaders: Mentoring, networking and exposure with experts from leading tech and veterinary health companies and practices
- Academic: Earn academic credit for Hackathon participation and complementary work (via optional enrollment in hackathon affiliated course)
- Recognition: Accolades and monetary awards for winning teams

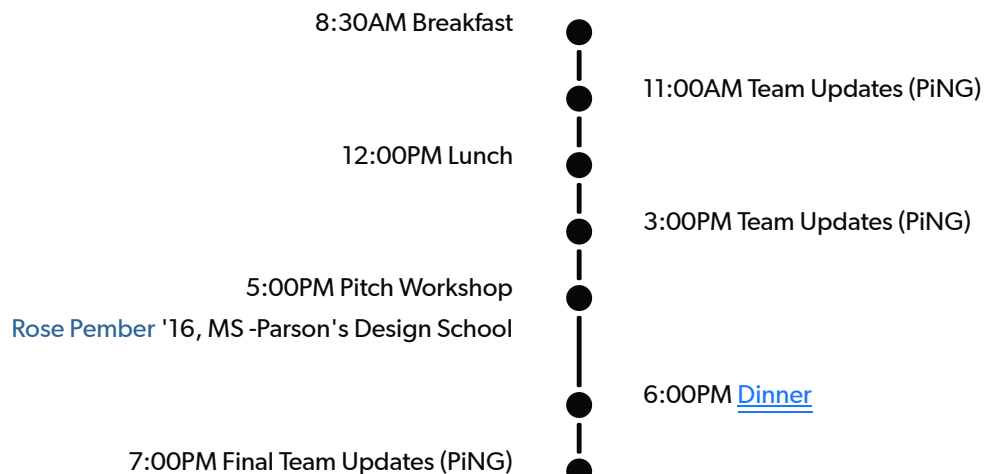
For additional information, please see the [FAQ](#)

SCHEDULE

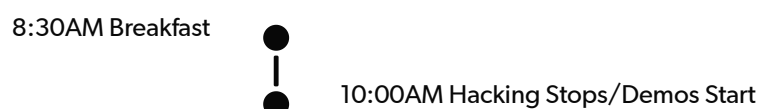
FRIDAY

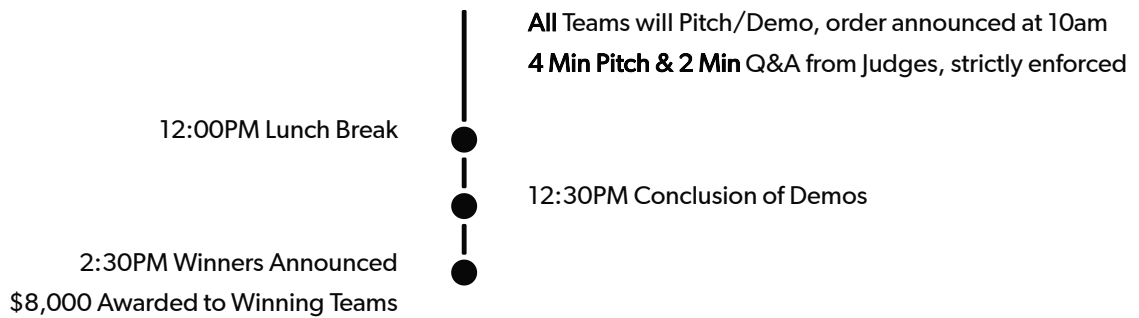


SATURDAY



SUNDAY





CHALLENGES

The scope of the hackathon includes the health of a broad range of animals including: food production; sports; wildlife; and companion/pets.

Below are a variety of animal health challenges students can choose from or you may choose to work on an idea of your own.

For more details for each challenge, go [here](#)

Farm Worker Education

Many dairy farm workers lack formal agricultural education. A significant proportion of workers cannot read or speak English and have limited literacy in their native language. On-the-job training from fellow employees results in inadequate knowledge and procedural drift of milking procedures. This problem results in improper milking routines that negatively impact cow health, including increased incidence of mastitis and use of antibiotics, and farm profitability.

[More Info](#)

Pharma Inventory

Veterinary hospitals receive shipments of pharmaceuticals on a routine basis. Inventory management is a labor-intensive task. Hospital support staff must manage the inventory by recording serial numbers and drug expiration dates, as well as monitoring for missing or stolen items. [More Info](#)

Animal Poaching

Illegal poaching of animals such as elephants and rhinoceros has resulted in significant reductions in populations levels. Some of the world's most iconic megafauna are on the brink of extinction and many other species have reached population levels that are incompatible with sustaining healthy gene pools. Poaching threatens the last of our wild tigers that number around 3,890. Wildlife crime is a big business, with wildlife and animal parts being trafficked by international criminal networks for large sums of money. According to the World Wildlife Organization, Rhino poaching in South Africa is estimated to have increased by 7,700% between 2007 and 2013. To date, anti-poaching laws and conservation programs have been ineffective in stopping wildlife crime. [More Info](#)

Cone Of Shame

An Elizabethan collar (E-collar) is a device placed around an animal's neck to prevent harmful licking and chewing. Veterinarians frequently fit dogs and cats with an E-collar post-operatively to prevent the animal from inflicting damage to a healing surgical site. Many pet owners object to the use of E-collars

Race Horse Leg Fracture

Thoroughbred and Quarterhorse racehorses are susceptible to catastrophic, fatal fractures of leg bones. Horses training or racing with pre-existing, undiagnosed subchondral bone sclerosis are at increased risk for these bone fractures. Early diagnosis of subchondral bone disease is critical for the

IV Inconvenience

Intravenous fluids are commonly administered to dogs as part of many therapeutic treatment plans. An intravenous catheter is placed in the patient's vein and the fluids are connected to the catheter via an IV fluid line. During hospitalization, the fluids are frequently disconnected in order to walk the dog (e.g. for

since pets often struggle to remove the collars, have difficulty eating and drinking while wearing the collar, and have a difficult time navigating through the house. Failure of pet owners to comply with the use of an E-collar can quickly result in serious complications including damage to healing wounds and surgical sites. [More Info](#)

prevention of arthritis and bone fractures. There is a need for an inexpensive, widely available, and accurate method to quantify subchondral bone sclerosis of the proximal sesamoid bones and distal third metacarpal/metatarsal bones in order to detect at-risk horses and intervene early to prevent injuries. [More Info](#)

outdoor urination). Disconnecting the fluids requires significant time and effort by nursing staff as the IV fluid line must be disconnected, capped, bandaged, and the catheter flushed with heparin to prevent clotting and then reconnected. This procedure may be repeated many times a day on hospitalized patients, adding to the workload of nursing staff. [More Info](#)

Treatment Compliance

Client satisfaction and compliance with treatment recommendations is highly correlated with the ability of veterinarians to establish strong rapport with their clients. Rapport building requires the application of effective communication skills and adequate contact time between the veterinarian and their clients. A typical veterinary appointment lasts only 20-30 minutes. During this time, a history must be obtained from the client, a physical examination is performed on the patient, diagnostic tests and treatment plans may be undertaken, and findings must be recorded in the medical record. Estimates may also need to be generated and medications are often prepared and dispensed. The fast pace of the medical encounter and short duration of client contact time makes it challenging for veterinarians to nurture strong rapport and generate trust among their clients. There is a need for veterinary hospital workflow efficiencies that will allow veterinarians to increase their client contact time. [More Info](#)

Endemic Disease Reporting

Poverty and malnourishment remain a major problem in Africa and much of Asia. The first step to escaping the poverty trap is improved agricultural systems, and the health of large and small ruminants is essential. Human and animal health are inextricably linked. By improving the health of cattle, sheep, and goats we can greatly improve the health of people in Africa and Asia through improved nutrition and income. Foot and Mouth Disease remains endemic in these areas and the impact of an outbreak is devastating, not only affecting income but also the basic food sources. In order to understand the disease and to develop plans for eradication it is essential to know where outbreaks occur. Foot and Mouth Disease is a viral disease affecting ruminants and pigs. Morbidity is high with severe ulceration of the mouth and feet. FMD is a reportable disease, any outbreaks should be reported but current reporting is sporadic. How can we encourage and improve reporting so that immediate advice on relevant biosecurity might be provided, disease spread and risks of epidemic extension can be predicted and communication strategies and prevention measures advocated, such as targeted vaccination campaigns. [More Info](#)

Vaccine Accessibility

Governments – in endemic regions require large volumes of vaccine for immediate/routine use as part of mass vaccination regimes. These countries may struggle to access the right vaccines yet need them. They sometimes buy low quality vaccines which do not adequately protect their animals. Private Veterinary vaccine distributors in such countries may be excluded from purchasing vaccine because of the complexity of registration of the vaccine on the local market. Further, private distributors of vaccine may see their business model collapse if Government suddenly decide to provide vaccines for free in emergencies.

Multiple factors contribute to the lack of accessibility including; limited number of manufacturers, cost & complexity of registering vaccine, gov policies, low quality vaccines, lack of awareness/risks, public/private sector politics, high costs of recurrent vaccine campaigns, and unpredictable needs/demands for vaccines in case of an epidemic. [More Info](#)

Rabies Eradication

Rabies is a zoonotic disease still claiming the lives of an estimated 59,000 people every year. 99% of all human cases are due to bites from infected dogs and occur predominantly in Africa and Asia. Mass vaccination in the reservoir species, dogs, has been proven to be the most effective and economic way to

eliminate this vaccine preventable disease. In order to achieve successful elimination of the virus within a resident canine population, vaccination coverage of 70% is recommended. In many rabies-endemic countries owned dogs are allowed to roam freely, and are not accustomed to receiving veterinary care nor walking on leashes. This can lead to low attendance during vaccination campaigns and presents challenges to achieving the recommended 70% coverage. Teams often travel on-foot through the community to identify vaccinated and unvaccinated dogs. If this ratio does not exceed 70%, additional vaccination efforts must be conducted in the community. This presents several issues for the vaccination program: Identification of vaccinated dogs, access to unvaccinated dogs, inability to evaluate efforts & campaign success, and extreme sensitivity to costs. [More Info](#)

VR & AR For Vet Med

Human healthcare has benefited from virtual, augmented and mixed reality technologies in a wide variety of ways. Virtual reality (VR), Augmented Reality (AR), and Mixed Reality (MR) are the new frontier of innovation in education and the classroom. VR/AR/MR can serve as an exciting tool to create immersive experiences that enhance learning and introduce students with new digital experiences. Although, still in the early stages of development, the possibilities of VR in education are endless.

Augmented reality (AR) adds digital elements to a live view often by using the camera on a smartphone. Virtual reality (VR) implies a complete immersion experience that shuts out the physical world.

How might we use VR/AR/MR to create first-hand learning experiences that improve learning outcomes for vet student? Pet owners? Clinicians?

[More Info & Resources](#) available upon request

Natural Disasters: Help Animals

Artificial Intelligence, along with machine learning and deep learning, have been disrupting a number of industries from online advertising to automobiles. In medical fields, AI has been used most popularly to automate the examination and diagnosis of radiology samples by using machine learning to train software to detect abnormalities such as cancerous tissues in the lungs.

This challenge proposes that students develop technology to benefit the field of veterinary medicine by utilizing artificial intelligence and its related subjects. This could be a solution that better the conditions, outcomes for pets and domesticated animals during natural disasters (forest fires, hurricanes, tornadoes, etc). Often in these crises situations, pets and owners are separated and it impacts both the health and wellness of the pets and owners - especially for those pets that require special attention or receive medication.

Artificial Intelligence is the ability for software to make decisions without a developer explicitly giving instructions to do so. The recent explosion in the amount of data collected have made the fields of Machine Learning and Deep Learning popular and been used to develop state of the art for solutions for problems such as image classification and natural language understanding by training software to recognize patterns among a very large number of examples.. API's, such as the ones available on IBM Cloud, allow these powerful technologies to be consumed by applications with little to no domain knowledge and training time.

MENTORS

The following people are on sight through out the weekend to provide assistance to teams.

There will be knowledge gaps, that is to be expected, these folks are here to help. Use them. Reach out with questions.

[Alasdair King](#) BVMS Director - Intergovernmental Vet Health -Merck Animal Health

[Ami Stuart](#) ILR '10 Tech Events Manager- Entrepreneurship at Cornell

[Amy Snyder](#) DVM, MBA Clinical Asst Professor, Business & GP- NC State CVM

Andrea Beukema Instructional Designer- Cornell CVM

[Andy Eschner](#) DVM Northeast Regional Director, Veterinary Professional Services- Boehringer Ingelheim Animal Health

[Anita White](#) Assoc Director, Innovations- Radio Systems/PetSafe

Ashley Harris DVM, DABVP Director of Vet Quality- Banfield Pet Hospital

Ben O'Kelley DVM, DACVECC Chief Medical Officer - Pet Partners

Brett Tillou DVM '04 Professor Emeritus -Cornell CVM

Brian Trumpatori DVM, DACVS Head of Surgery-VSH PetPartners

Cathy Benson VP Talent & Learning -Mars Vet Health

[Christine Jenkins](#) DVM, DACVIM CMO, VP Vet Med Srvcs & Outcomes Research -Zoetis

[Craig Riecke](#) MS Software Engineer VMIT- Cornell CVM

Devin Whalen Partnership Development Leader- Encore Vet Group

Donna Manderino DVM Director- Park Ridge Animal Hospital

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Fred Lohr MRCVS Global Operations Manager - Mission Rabies

Gavin Persons IT Architect- Pet Partners

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JoAnna Vanderhoef Business Systems Analyst- Banfield Pet Hospital

[John Atkinson](#) BSC, BVMS, MRCVS, ACIM Assoc. Director, Intergovernmental Veterinary Health- MSD Animal Health

[John Babish](#) MS '74, PHD '76 Professor Emeritus - Cornell CVM

Katelyn Carney DVM, DACVIM Vet Ed Consultant - Cornell CVM

Kathryn McGonigle MPH, DVM, DACVIM Clinical Asst Professor- Sm Animal Internal Medicine- Upenn School of Vet Med

Keith Richter DVM, MSEL, DACVIM Chief Applied Sciences Officer -Ethos Vet Health

[Ken Rotondo](#) DVM '75, MBA Founder, President -Mind Genomics

Kenan Peters Bark Box

Kevin Finn DVM Medical Outreach University Liaison- IDEXX

Korana Stipetic DVM Animal Health Diagnostic- Center Associate Cornell CVM

[Laura Olavessen](#) DVM Director of Medical Outreach- IDEXX

Luke Gamble CEO WVS- Mission Rabies

Mani Lejeune PHD, DipACVM Animal Health Diagnostic Center Associate- Cornell CVM

[Marc Kraus](#) DVM, DACVIM, DECVIM Professor of Clinical Cardiology -Upenn School of Vet Med

[Mark Olcott](#) DVM '95, MBA CEO & Co-Founder- VitusVet

Maryse Osborne-Doser DVM Professional Services Veterinarian- IDEXX

Maya Scott-Garrard PHD, DVM Senior Veterinary Scientist II- Boehringer Ingelheim Animal Health

Meg Thompson DVM, DACVR Director, CU Hospital for Animals- Cornell CVM

Megan Dickhans MS "Lecturer, Dept of Ag & Applied Econ- Virginia Tech

Michael Joseph Vice President of IT- Ethos Vet Health

[Michele Barrett](#) DVM '09 Veterinarian, Dairy Technical Services -Zoetis

Nathanael Oster VMD Senior Professional Services Veterinarian -Boehringer Ingelheim Animal Health

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Nick Nelson DVM, DABVP, MBA- Pet Partners President Pet Partners

Olivia Dudo Associate Specialist, IT Vision- Banfield Pet Hospital

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[Sandra Tucker](#) Expert Lab Leader for Data Science- IBM

[Sarah Cutler](#) Tew PHD Medical Outreach Senior Manager- IDEXX

[Scott Ross](#) MILR '13 Asst Director- App Dev & Integration -Cornell CVM

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Steph Neuvirth Chief People Officer - SVP, People and Organization- Banfield Pet Hospital

Stephanie Thompson-Holland DMV Medical Outreach University Liaison- IDEXX

[Steve Ireland](#) Director of Marketing- Pet Partners

Susan Apgar- Zoetis

[Sylvester Price](#) DVM '84, PHD Director of Therapeutic Evaluations- Boehringer Ingelheim Animal Health

T.R. Srikanth Interim Chief Information- Banfield Pet Hospital

[Ted Sprinkle](#) DVM '69 CEO -Encore Vet Group

Tina Sung VMD Senior Professional Services Veterinarian -Boehringer Ingelheim Animal Health

Tracy Sears General Manager- Encore Vet Group

Tushar MEing '14 Developer -VMTurbo

Vangie Williams Commercial Marketing- IDEXX

Jeremy Feinstein BS '14 MEng '15, Software Engineer-
FlatIron Health
Janice Brown Director of P&O Pet Partners

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ASSOC DEAN OF EDUCATION
CORNELL COLLEGE OF VETERINARY MEDICINE

TRACEY SEARS
GENERAL MANAGER
ENCORE VET GROUP

HAKIM WEATHERSPOON, PHD
FACULTY
CORNELL COMPUTER SCIENCE

ANDY ESCHNER '86, DVM '90
NE REGIONAL DIRECTOR
BI ANIMAL HEALTH

**DR BRIAN TRUMPATORI '01, DVM,
DACVS**
HEAD OF SURGERY AT VSH

SARA CUTLER TEW, PHD
SR MANAGER, MEDICAL OUTREACH, IDEXX

JUDGING CRITERIA

All teams will pitch, and be judged on the following criteria

Complete matrix and scoring [available here](#).

Relevance to Veterinary Medicine

Scale of Impact

Novelty

Commercial Viability

Financial Feasibility

Marketing Potential

Innovation

\$2,000 per winning team in the following categories:

Best Vet Med Healthcare Solution

Best Market Ready Solution

Most Innovative Solution

People's Choice Award (selected by the audience)

Complete judging matrix [here](#). Teams must be present to win.

TEAMS

FIRST PLACE: VetMed Healthcare Solution

Team: Stay On Track

Early detection and data collection for revolutionizing horse care

Holland Dulcet-Vet DVM '21

Ian Gregg-CALS BS Bio '21

Jack Nichols-BA College Scholar '22

Porter Hall-CALS PhD Biophysics '22

Sarah Morrissey-Vet DVM '20

Tom Myers-JCB-Dyson BS AEM '20

FIRST PLACE: Market Ready Solution

Team: FarmSpeak

Solution that empowers non-English speaking farm workers.

Ansh Sehgal-Cornell Tech MBA '19

Inderpal Khanuja- JCB-Johnson MBA Finance '19

Ivanka Juran- Binghamton University BS BME, Bio '20

Krysta Scimeca- Vet DVM '20

Nina Kozak- Vet DVM '21

Trey Cook-NC State College of VetMed DVM '21

FIRST PLACE: MOST INNOVATIVE & PEOPLE'S CHOICE WINNER

Team: Lean Preen Machine

A portable, low-cost device utilizing sonification to clean oiled animals for both disaster and consumer use

Elvina Yau-Vet DVM '20

Jacob Rigos-Engineering BS BEE '19

Matthew Boulanger-UPenn School of VetMedi VMD '22

Michael Zhang-JCB-Johnson MBA Business '20

MJ Sun-Vet DVM '19

Vivian Bui-UPenn School of VetMed VMD '21

Team: Erabicators

An innovative device to deliver rabies vaccinations to poorly accessible dog populations

Cheyenne Lee-Vet DVM '22

Diana Mistry-JCB-Johnson MBA '20

Frez Noel-ILR BS '21

Marie Kruth-Engineering MEng BME '19

Rachana Rao-ILR MS '20

Team: Guardian

Collar that monitors for signs of pain in postoperative dogs and alerts vet staff when patient needs attention

HongHong Tang-JCB-Johnson MBA '19

Jacqueline Glyman-Engineering BS ORIE '20

Sean Stapleton-Vet DVM '20

Thao Ly Bui Tran-JCB-Hotel MHA Hospitality Mgmt '19

Yanick Couture-Vet DVM '20

Team: VetMinder

Ensuring treatment compliance through automated reminder system backed by behavioral science.

Abdellah Bouhamidi-JCB-Johnson MBA '19

Abigail Hooker-Vet DVM '21

Elanna Spiegel-Vet DVM '21

Elson Parayil Kuriakose-ILR MS '19

Solitaire Goldfield-Virginia Tech DVM '20

Team: VetSave

VetSave provides a way for low-cost clinics to access
“unusable” unexpired medication and supplies

Aditi Agarwal -Engineering BS ECE '22

Akshay Shetty -JCB-Johnson MBA '19

Annalita Grover-CALS BS Animal Science '19

Genesis Lopez Bonilla-Vet DVM DVM '22

Shiang-Wan Chin-Engineering MEng Systems Eng '20

Talia Coppens- Vet DVM '20

Team: Happy Hugs

A smart tech compression vest that addresses canine
anxiety

Caroline Schlaeppli Fisher -NC State College of VetMed DVM '21

Clifford (Alex) Lee-A&S BA CS & Math '22

Edna Seymour-Vet DVM '21

Frances Chen-Vet DVM '20

Shivani Parmar-HumEc MHA '20

Siddhesh Amarnath-JCB-Johnson MBA '19

Team: Smarter Not Harder

IVPro is a portable fluid delivery system for veterinarians
and technicians that optimizes workflow, enhances the
delivery of quality care, and transforms the lives of pets.

Amy Zhang-Vet DVM '22

Daniel Lee-ILR MS Industrial and Labor Relations '20

Team: Retractableles

Redesigning the cone of shame- aka e-collar worn by
animals post op

Aion Ashby-Engineering BS CS '22

Gustavo Anaya-Engineering MEng BME '19

Maxine Nzegwu- Engineering BS '22

Jason Chen-A&S BA Biology '22
Nicole Phang-JCB-Johnson MBA '19
Rhiannon Desideri-Vet DVM '20
Viktoria Catalan-CALS BS Chem Bio '22

Nnenna Dara-Engineering BS BME '22
Rebecca Jones-NC State College of Vet Med DVM '21
Yuyi He

Team: MediGoggles

MediGoggle is a drug delivery system which aerosolizes liquid eye drop medicine into the eye goggles.

Jai Karnik-Engineering MEng MatSE '19
Jon Lou-Vet DVM '19
Reagan Jung-Engineering MEng BME '19
Sun Chung-AAP MS Regional Science '19

Team: MooVR

A virtual reality suite to train non-english speaking dairy farm workers

Jacob Donich-Croll-JCB-Johnson MBA '19
Julia Radzio- Engineering BS MechE '21
María Martes-Vet DVM '20
Mary Nasr- Vet DVM '20
Stéphanie-Anne Dulièpre-Vet DVM '20
Theresa Cho-CALS BS IS '21

Team: BumbleBot

-Ahad Ishfaq-Engineering BS ChemE '21
Sarah Sabbagh-A&S BA CS '21
Stephanie Matson-Engineering BS MatSci Engineering '20
Stephanie Shum-A&S BA CS '20

Team: Pawsitive

An convenient platform and interactive app that provides training and skills to shape desired behavioral in their pets

Anita Yau-Vet DVM '21
Christina Chen-JCB-Johnson MBA Finance '19
Danling Ye-Vet DVM '21
David Wang-BA Econ '20
Shashank Manchanda-JCB-Johnson MBA '19

Team: Purr

A station to collect data crucial to detect some of the common cause of death in cats - kidney failure, diabetes, and hyperthyroidism.

Angela Han-ILR MS HR&O '20
Bo Su-ILR MS '20
Sophia Liu-ILR MS '20
Yiyang Fang-ILR MBA'20

Team: VetCheck

Clear your calendar - It's going down! Splash Blocks kicks off on April 21st, and you're invited to take part in the festivities. Splash HQ (122 W 26th St) is our meeting spot for a night of fun and excitement. Come one, come all, bring a guest, and hang loose. This is going to be epic!

Adam Nofal-JCB-Johnson MBA '19
Dan Levitt-JCB-Johnson MBA '19
Danny Sack-Vet DVM '20
McKenna Snidow-Virginia Tech DVM '20
Sam Harrington-JCB-Johnson MBA '19
Samantha Platt-JCB-Johnson MBA '19

Team: Pet Mate

A smart band designed for pets with connection to all smart devices at home.

Dana Lin-JCB-Johnson MBA '19

Feng Zhou-JCB-Johnson MBA '19

Jinyfu Zhang- Hotel BA Business 19

Louis (Zihan) Wang-JCB-Johnson MBA '19

CHECK OUT OUR VIDEOS!

Cornell Animal Health Hackathon 20...



Cornell Animal Health Hackathon 20...

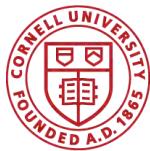


**A complete list of hackathons planned for this academic year: eship.cornell.edu/hackathons
Tech Events Manager-Ami Stuart-can be reached by clicking the 'contact organizer' link below on the right.**

Powered by Splash



CONTACT THE ORGANIZER



Cornell University

College of Veterinary Medicine

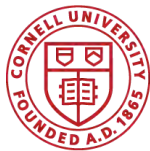
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White Coat Ceremony

Class of 2020 White Coat Ceremony

Saturday, March, 16, 2019

Time	Description of Events
1:15pm -1:30pm	Class of 2020 DVM students arrive to Bailey Hall and go to basement for coat distribution. Line up for ceremony.
1:30pm -1:50pm	Family and friend may mingle with the deans and members of the faculty who will be available for informal conversation in advance of the ceremony in the foyer outside the auditorium.
2:00pm	CEREMONY Ceremony begins, Class of 2020 process in, followed by Dean's welcome. The ceremony includes each student being called by name to the stage accompanied by their coater. The coat is presented to the student. The class recites the Veterinarian Oath. This years' keynote speaker is Dr. Lisa Freeman '86, President of Northern Illinois University Class Photo
4:30pm	RECEPTION Reception immediately following ceremony with light refreshments in CVM Center Takoda's Run Atrium. The ceremony will be live streamed and recorded. Link will be distributed via list serv that you can send out to your remote audience, the week prior to ceremony. Only those with the link will be able to locate the webcast. The same link will become an on-demand file about a half hour after the end of the event. A week later, a high res mp4 file will be available upon request through Student Services at vet_sas@cornell.edu . Handicap Accessibility -Bailey Hall Bailey Hall has a large staircase up to the entrance of the auditorium. . There is an elevator entrance! On Bailey Plaza, while facing the staircase, go left of the building. You will find double glass doors and just inside the doors, immediately to your right- the elevator. It is highly recommended that you drop off guests that have difficulty walking, climbing stairs and are using canes, walkers and wheel chairs at Bailey Hall. There is a large staircase to climb after parking at Forest Home parking garage. Handicap accessible parking is available around Bailey Hall. You may park in these spots as long as you have a handicap parking tag. DO NOT PARK IN SPOTS WITH DESIGNATED LICENSE PLATE NUMBERS; YOU WILL BE TICKETED.



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College of Veterinary Medicine

[CVM](#) > [Education](#) > [Doctor of Veterinary Medicine](#) > [Student Life](#) > [Activities and Events](#) >

Commencement

Class of 2019 Commencement Week Information

Time	Description of Events	Location
	Cap and Gown distribution all week 5/20 thru 5/24 (must complete all surveys before picking up)	Office of Student and Academic Services
	Monday, May 20, 2019	
6:30pm	Senior Celebration (By invitation only) 6:30-7:30pm -Cash Bar w/hot and cold appetizers 7:30-8:00pm Award Ceremony and dinner with carving stations 8:00-10:30pm DJ and dancing	Statler Hotel Ballroom
	Friday, May 24, 2019	
8:30am	Hooding Rehearsal -Mandatory for the Class of 2019 Breakfast then instructions from Dr. Edmondson and Dr. Sweet on Hooding Ceremony	TBD
	Hood Distribution - Immediately following Rehearsal, all surveys must be completed to pick up	
	Saturday, May 25, 2019	
12-1pm	Convocation - Guest Speaker TBD Gates open at 9am, no tickets necessary, first come-first served For more information on convocation click here	Schoellkopf Stadium
1pm	DVM's arrive dressed in cap and gown, meet in basement of Bailey Hall for Hooding Ceremony Doors open to Bailey Hall	Bailey Hall
2pm	Hooding Ceremony Event begins (Tickets are not required, you may invite as many family and friends as you wish The ceremony will be live streamed. A link will be sent to the class of 2018	
4pm	Hooding Reception	Bailey Plaza
	Sunday, May 26, 2019	
8am	Commencement Gates open for guest seating for University event	Schoellkopf Stadium
9:30am	All DVM graduates assemble on Arts Quad for Academic Procession	Arts Quad
11am -12pm (noon)	Ceremony begins . This event is simulcast on local channel 16 and webcast at www.cornell.edu	Schoellkopf Stadium

12pm-5pm	Cap & Gown Return For more information on University Commencement click here	Vet Medical Center entrance On Campus Rd-drop off boxes in entrance area
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Commencement: For special handicap accessible parking and seating on Sunday go to the University Commencement website for special permits and passes! <http://commencement.cornell.edu/may/plan/access/>

*In the event of severe weather on Sunday, the University may follow the [Cornell University Severe Weather Policy/Plan](#). The DVM graduate only will proceed to Barton Hall for the ceremony. All family, friends and guests will go to the viewing area assigned for the College of Veterinary Medicine. A list of viewing areas will be compiled and listed on the Commencement website.



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Reunion

Reunion 2019

Reunion 2019: June 6 - 9

Classes ending in 4s and 9s...the countdown is on!

It's TIME to book your hotel rooms - they are going quickly!

We'll be updating regularly our reunion website, so bookmark it as a favorite or check back often.

Reunion 2018 Memories







