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Just a couple more weeks to nominate for the 2013 Salmon Award

Continue the Legacy

Nominations for the 2013 Salmon Award will be collected through May 1. Please help us honor our alumni by nominating a Cornell DVM graduate for the Daniel Elmer Salmon Award for Distinguished Alumni Service. 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, the award was established by the Alumni Association in 1986 to recognize graduates who have distinguished

themselves in service to the profession, their communities, or to the College. The recipient of the award is notified by September 1 and is honored at the annual New York State Veterinary Conference.

Nominate Now

Additional news from the Alumni Association

Visit our [website](#) for a listing of our board members and our meeting dates. Each fall, we welcome nominations to the board.

To reach the Office of Alumni Affairs, Development, and Communications, call 607.253.3745 or [email](#) – subject line “Alumni Association.”

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Foundations and Facelifts

Partnering with experts at the Weiss/Manfredi architectural firm of New York City, the College is making steady progress toward a transformational capital project that will create appropriately sized classrooms, establish facilities appropriate for meetings and events, develop an e-learning center, enhance security, and create outstanding spaces for collaboration and study.

This project will address the abandoned former diagnostic lab and necropsy suites (that were replaced with new buildings in 2010), include major infrastructure upgrades to Schurman Hall, improve classroom and tutorial spaces as well as anatomy, student surgery, and student locker spaces, and strengthen our sense of community through improved public spaces and a new cafeteria.



Ultimately, the project will create a dynamic, asymmetrical series of spaces that will unite the entrances for Schurman Hall, the Veterinary Education Center, and the Veterinary Research Tower and establish appropriate public atrium space for large gatherings and presentations.



Currently, members of the planning committee are deep in the throes of the schematic design phase. During this period, the committee is looking at how the space will function, including considerations like mechanical and electrical systems; security; landscape options; classroom, laboratory, library, and modular resource center needs; best options for appropriate locker room and eating locations; and opportunities to leverage natural light.

Although no plans are final as of yet, current schematic drawings indicate that the James Law Auditorium will be replaced with a three-story building that will house the Flower-Sprecher library, modular resource center, and administrative offices. In addition, plans call for two additional, large, tiered lecture halls; a relocated dining area that will more effectively support food service needs and foster a greater sense of community; a multi-purpose Atrium that will effectively support large gatherings including the annual NYS Veterinary Conference, serve as a performing arts space, and connect the front and back courtyards; a larger footprint for the gross anatomy lab; a plethora of study spaces that will support both private, quiet study and group learning; and rain gardens and a green roof to creatively handle water run-off.



The College expects that approximately 55,000 square feet of the current complex will be demolished. Some of this material will be used as fill for areas of the project that need grading. New construction is estimated to be just under 59,000 square feet, making the net additional square footage just over 3,000 square feet. The project is estimated to cost \$62 million, much of which will be covered with state funds that have been allocated for capital projects.

The schematic design phase is expected to conclude in mid-May, with the project moving into the design development phase next. Following that, the committee expects that construction documents will be completed by February 2014 and the project will be put out for bid and awarded to a contractor in the spring of 2014. Should the project proceed according to the current schedule the construction will conclude in early 2017. Please watch for further updates and tentative floor plans online soon.

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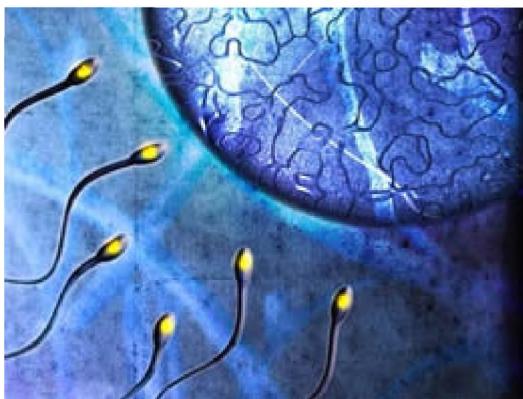
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Biomedical Sciences trio tapped to author leading reproduction text

The world's leading comprehensive textbook on the physiology of reproduction now includes chapters from three Cornell faculty members in the Department of Biomedical Sciences at the College of Veterinary Medicine. Authored and edited by scientists at the forefront of the field, *Knobil and Neill's Physiology of Reproduction* is a staple reference on faculty members' and libraries' shelves in veterinary schools, medical schools, and biomedical research hubs across the world.

Entering its fourth edition, the book covers basic biological principles at the organismic and molecular levels relevant to humans and other animals. As comprehensive literature reviews of their respective



topics, typical chapters include between 35,000 and 40,000 words and 600-700 citations, taking months to complete.

"Our department is privileged to include so many people tapped to contribute to this important text," said Dr. Mark Roberson, chair of the biomedical sciences department

and one of the authors. "That our department is so well represented speaks to the broader role and recognition of top-tier reproductive biology research at Cornell."

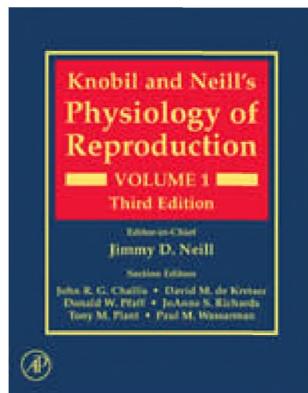


Roberson authored a new chapter with coauthor Dr. Craig McArdle, lecturer at University of Bristol, England. Called "Gonadotropes and gonadotropin releasing hormone signaling," it discusses how the brain and pituitary gland controls fertility in mammals by integration of the biosynthesis and secretion of pituitary hormones that control ovarian and testicular function.

Associate Professor of Genetics Dr. Paula Cohen and Research Scientist Dr. Kim Holloway co-authored a new chapter entitled "Mammalian meiosis and meiotic recombination" discussing how germ cells (sperm and eggs) form and converge to share genes to make new life.



"Understanding meiosis is not only essential for our understanding of chromosome biology and germ cell development, but also for our understanding of some of the principal human reproductive disorders," said Cohen. "Around half of human eggs bear some sort of abnormality because of meiotic errors. These 'bad eggs' can result in miscarriage, failed implantation, or birth defects such as Down Syndrome or Klinefelter. Surprisingly, up until this issue of the book, there had never been a meiosis chapter included."



Professor of Biomedical Science Dr. Susan Suarez updated a chapter from the previous edition of which she was the sole author. Entitled "Gametes and zygote transport," the chapter incorporates her expertise in sperm behavior and the relationship between gametes and the reproductive tract.

"It was really a pleasure to be able to review the literature in our field in such a comprehensive way," said Roberson. "You have to dig in pretty deep to understand the full breadth of a subject. I think we learned more by writing our chapters than we would have from just reading them."

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Dr. Francis H. Fox turns 90!

- Legend
- Educator
- Friend
- Master of physical diagnosis
- Prankster
- And so very much more...



The remarkable Dr. Francis H. Fox turned 90 years young on Monday, March 11, 2013.

We invite you to send a birthday wishes and share photos, videos, messages, or memories on his new Facebook fanpage:

<http://bit.ly/FrancisFox>

Let's make a living tribute to Dr. Fox's fame! Invite your friends to join the fun.
Just "Like" the page to post.

Watch the video from Dr. Fox's 90th bash at Cornell. Students and friends from across generations came to celebrate and share stories.



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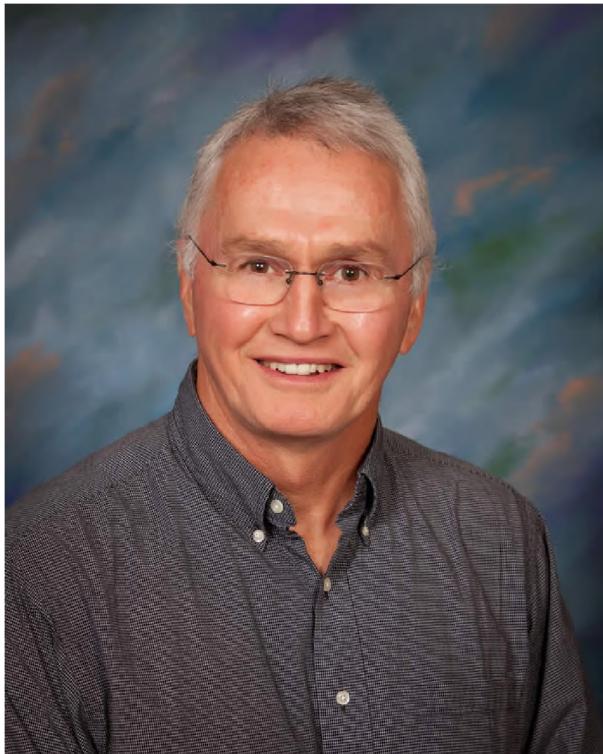
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Dr. Todhunter earns named professorship

Professor Rory Todhunter of the Department of Clinical Sciences, has been named the Maurice R. and Corinne P. Greenberg Professor of Surgery effective April 1, 2013. The Maurice R. and Corinne P. Greenberg professorship in the College of Veterinary Medicine aims to recognize a distinguished senior faculty member who has made important contributions in their clinical discipline toward the advancement of veterinary medicine.

Professor Todhunter is recognized as an expert in small animal orthopedic surgery. His research program addresses the genetic and physiologic basis of canine osteoarthritis, or hip dysplasia. His groundbreaking research has advanced our understanding of the genetic basis of canine hip dysplasia and has yielded a genetic test for the disease. This test will improve the health and well-



being of dogs and will have widespread impact on the practice of veterinary medicine. Known as an outstanding colleague and collaborator, Dr. Todhunter's influence on the research environment in his department and College will be felt for decades to come.

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Dr. Center named James Law Professor

Professor Sharon Center of the Department of Clinical Sciences has been named the James Law Professor of Internal Medicine. Law Professorships recognize distinguished faculty in the College of Veterinary Medicine who have earned outstanding national and international reputations in veterinary medicine and the biomedical sciences.

Dr. Center has been a leader in the innovative use of new drug therapies for the improved management of liver disease in companion animals. She has advanced our understanding of liver disease in cats and her work on inherited disorders of the liver in dogs is destined to attain landmark status in diagnosis, control, and prevention . Her achievements in education include recognition as a Norden Distinguished Teacher. As an active clinician in the Cornell University Hospital for Animals, Dr.



Center tirelessly attends to animals entrusted to her care, and consults with referring veterinarians and countless clients who seek advice and counsel.

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New surgeon joins the CUHA team

The Cornell University Hospital for Animals is pleased to welcome Dr. Kei Hayashi to its team of veterinary orthopedic surgeons. An expert in joint pathology and the application of regenerative medicine in orthopedic conditions, he is particularly interested in sports medicine for small animals; advanced arthroscopy; total replacement of knees, hips, and elbows; fracture management; and training the next generation of veterinarians.

"As a surgeon, I can help only as many pets as the hours will allow one person," said Hayashi, whose interest in surgery was piqued after having two surgeries himself. "Preparing others to do similar work ensures that many other animals can be healed. An animal's job is to run, jump, and play. When



orthopedic conditions hinder these activities, we need well-trained veterinarians to make their lives better. I am excited to be a part of this process."

Sharing with current veterinary students the knowledge that he and other researchers have uncovered to date is only part of his mission at Cornell. Hayashi is also a committed investigator.

"Many animals have conditions that impair the ability of joints to function as they should," said Hayashi. "While we can successfully treat many of these conditions, we

continue to look for causes, treatments, and innovative prevention strategies that will successfully respond to other painful joint and bone conditions."

Hayashi graduated from the University of Tokyo with bachelor, veterinary, and doctorate degrees and obtained master and doctorate degrees at the University of Wisconsin. He completed small animal surgery residency at the University of Wisconsin and became a board-certified specialist in small animal surgery. He served as an assistant professor of small animal orthopedic surgery at Michigan State University and as an assistant and associate professor of small animal surgery at the University of California Davis prior to coming to Cornell. He serves as a member of advisory board of the Asian Board of Veterinary Specialties, the Asian Society of Veterinary Surgery, and the Japanese College of Veterinary Surgeons. Hayashi has published more than 50 scientific articles in the area of orthopedic research. His research focus is in pathology of ligament and tendon injury and wound healing, evaluation of total joint replacement systems, molecular profiling of osteoarthritis, and comparative orthopedics and sports medicine.

A Green Bay Packer fan, Hayashi credits his time playing American football and studying the arts with helping to develop his hand-eye coordination and ability to remain calm under pressure, necessary skills for any surgeon. When he's not in the operating room or teaching students, Hayashi enjoys walking with his dog.

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New column explains the present and envisions the future



Veritas is pleased to announce *Perspectives in Veterinary Medicine*, a new feature of the online continuing education partnership between academia and industry. Each week throughout the remainder of 2013, Veritas will present stories that analyze 150 years of progress in veterinary medicine, offer thoughts on the future of the profession, and share evidence-based insights anticipating the path forward. Launching April 15, 2013, Perspectives stories are written by Donald F. Smith, professor of large animal surgery and Dean Emeritus at Cornell University, and can be found at www.VeritasDVM.com/veritasblog/.

"When we examine the history of veterinary medicine, we look at people and events as snapshots in time, considering how we arrived at the present and anticipating the future," said Smith.

Dubbed *The History Guy*, Smith's stories are expected to cover issues like these: Why did Harvard close its veterinary college after only 20 years? Why has feline medicine taken a back seat to canine medicine? Why has our commitment to public health been so poorly funded by governmental agencies? How can animals help us to improve the human health condition and add prospects for new roles for veterinarians related to the human health profession?

"Veterinary medicine finds itself in a time of transition and dislocation, and it's oddly comforting to look back at our past," observes Dr. Douglas Aspros, AVMA President. "As humans, we crave continuity and stability; they make the risks and rewards of life (including professional life) easier to manage. Understanding our history helps to bring today into sharper focus; knowing how and why we got here makes it easier to see a different future for ourselves."

"Anniversaries are good times to take stock, and the AVMA's 150th birthday is the right time for the profession to better understand our past and use those tools to boldly face our challenges, and our opportunities."

Veritas is a groundbreaking partnership between the Cornell University College of Veterinary Medicine, Texas A&M College of Veterinary Medicine & Biomedical Sciences and Zoetis (formerly Pfizer Animal Health). This unique partnership between academia and industry will deliver the universities' expertise in medicine and teaching, supported by Zoetis information delivery and customer service know-how. Veritas offers veterinarians, veterinary technicians and paraprofessionals, web-based, continuing education programs and features utilizing the latest advances in online teaching technologies.



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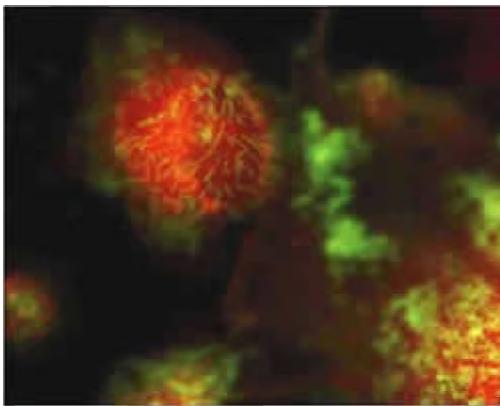
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World's only canine pneumovirus test in new dog diagnostic suite

The world's first diagnostic test for canine pneumovirus, a unique culprit in canine respiratory illness common in shelters and kennels, is now available at Cornell's Animal Health Diagnostic Center (AHDC). Discovered in 2008 at the AHDC, the virus causes cell death in patterns unlike other viruses commonly found in dogs. Veterinarians had no way of identifying it from among the many pathogens causing canine respiratory illness until now.

The test is one of several available in the AHDC's new canine respiratory panel. Finding the actual culprits in respiratory cases once took weeks of testing. The new panel offers a faster, easier, and more accurate way to diagnose. Commonly called "kennel cough", respiratory diseases often emerge



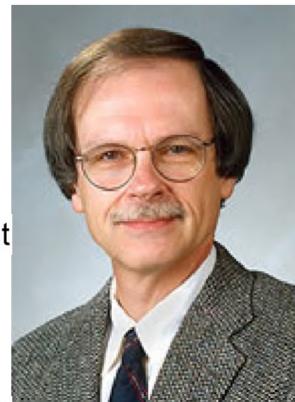
in shelters, kennels, and other places where dogs live in close quarters. In such settings quick correct diagnosis is critical to curbing outbreaks.

"This is a great tool for handling respiratory outbreaks in dogs," said Dr. Amy Glaser, director of the AHDC's molecular diagnostics lab. "It's faster and more reliable than previous methods. It can also detect multiple pathogens in a single sample, which frequently occurs. It greatly simplifies testing and will make it easier for veterinarians to get answers for their patients."

The panel uses polymerase chain reaction (PCR) analysis to identify the most common viruses and bacteria associated with canine respiratory disease. Detected pathogens include the canine viruses parainfluenza 5, respiratory coronavirus (beta coronavirus), pneumovirus, adenovirus (types 1 and 2), distemper, and influenza. The panel also detects the bacteria Mycoplasma cynos and Bordatella bronchiseptica, which can infect humans.

Previously only canine influenza could be detected by PCR at the AHDC. Other canine respiratory pathogens were only detectable by isolation in cell or bacterial culture or by testing paired serum samples. Developed by Dr. Edward Dubovi's team in the AHDC's virology section, the new PCR panel can detect viruses that are difficult to detect by the former culture method.

PCR tests can be ordered individually for \$36.75 each, or as a panel at a discount rate of \$115. Results are available in three to five business days after sample receipt at the lab. Interpretation services are always included.



To enable detection of both viruses and bacteria, the AHDC suggests submission of both a nasal and an oral pharyngeal swab. Swabs can be submitted together in a red-top tube with a few drops of saline or in commercial viral transport media. Aerobic culture and antimicrobial susceptibility testing of swab samples are also available. Additional samples must be collected and submitted separately in a suitable bacterial transport medium such as Amies.

<http://ahdc.vet.cornell.edu/>

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When the real question is "Why not?"

With her Cornell veterinary degree in hand, Kelly Saporito '07 decided to head south, lured by the warm climate and melodic Spanish language. To her surprise, she found—and has fully embraced—entrepreneurship.

After completing an internship at the Coral Springs Animal Hospital and working as an associate at a small-animal practice run by a young female veterinarian, Dr. Saporito often considered the future. Not one to waste a minute of the present, though, she leveraged her time as an associate wisely, committed to honing her veterinary skills and gaining others, including finance, marketing, and management.



"I began to wonder why I couldn't run my own practice," said Dr. Saporito. "The process to find and secure a viable business was not easy, and owning a business is definitely not for everyone. We are all different, with different goals and circumstances, but if owning your own practice is a goal, fear should not be a barrier."

That is not to suggest that Dr. Saporito made the decision lightly. In fact, she spent many months contemplating the idea and considering the long hours and many duties that she would have to do in addition to actually providing care. The decision to sign a five-year lease, with no guarantees that she'd be able to make the mortgage, was one of the biggest risks she's ever taken. She found the courage to follow through because of one simple reality: at the end of the day, no one can take her license.

"I will always be able to work," said Dr. Saporito. "I can always be a veterinarian, and that is a huge asset if I ever need to recuperate losses."

This shouldn't be a problem though: business at the Coco-Park Animal Hospital is bright. Dr. Saporito has partnered with a management consulting firm who is training her on operating the administrative side of her general practice, and a team of six to eight staff offer new and returning patients a variety of services, including preventive care, testing, internal medicine, surgery, dental care, and grooming.

"This is by far the toughest thing I've ever done," said Dr. Saporito, who describes her practice as her baby. "But I wouldn't change my decision for anything. It has presented me with a whole new set of challenges, which I love; the opportunity to mold the future of the practice; and put me in a position to help my employees realize their professional goals. Why wouldn't I do this?"

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DVM students showcase their research projects

Dr. Emily Cornwell '15 won the prize for the Best Overall presentation at the College's first annual DVM Research Poster Symposium. The event, held earlier this month, attracted more than a dozen veterinary students who shared their research with the potential to advance the health and well-being of animals and people.

Dr. Cornwell is enrolled in the dual degree program and has already earned her doctorate. She is involved with several research projects, including one that developed a non-lethal test to detect a fish virus that was recently published in the Journal of Veterinary Diagnostic Investigation. At the event, Dr. Cornwell discussed a related project that looked for any correlation between the genetic differences in the viral hemorrhagic septicemia virus and functional differences in terms of virulence.



"We found a striking correlation that supports ecological data," said Dr. Cornwell, noting that these results will help to tailor management strategies to contain the virus.

During the awards ceremony, the judges recognized the talent, enthusiasm, and positive contributions the aspiring veterinary scientists would bring to society and additional awards were presented to Dominick Valenzano '15 for the best visual presentation, Terry Iwata '13 for the best data presentation, and Chloe Spertus '15 for the best data analysis.

"Research is an integral part of advancing the veterinary profession," said Dr. Alex Travis, associate professor of reproductive biology. "Our student researchers have a tremendous opportunity to both learn the current 'state of the art' that will enable them to practice what is now known and to actively participate in generating new knowledge that will become textbook material for future students here and elsewhere."

The event was hosted by the College's Office of Student and Academic Services.



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