

PVM Report

Purdue University College of Veterinary Medicine



2012 Summer Edition | Volume XXXV - Number 1

A Message from the Dean

“Challenges” that cause us to summon extra strength, determination and courage to tackle difficult problems or capitalize on significant opportunities, can be good for us as individuals and for the people, institutions and communities we serve. At the Purdue University College of Veterinary Medicine, our students, faculty and staff are tackling significant challenges every day, and this issue of the PVM Report tells some of their stories, so you can get a sense of how those efforts are improving our College and the profession of veterinary medicine.

I am particularly excited about the subject of our cover story, the national conference for veterinary students, called the SAVMA Symposium, which Purdue hosted this spring. With guidance from our director of student services, Dr. Jim Weisman, our students organized the entire event, putting on an amazing three-day program with everything from creative and fun social events, to top quality, thought-provoking general sessions and excellent specialty classes. The reviews were overwhelmingly positive, and I am so proud of the way in which our students took on this challenge, and with great planning, teamwork, energy and entrepreneurship, created an outstanding conference experience for all involved.

Organizing the SAVMA Symposium isn't the only challenge our students have faced. Another involves finances, and thanks to a Purdue program called the “Indiana Challenge Match,” our College's alumni and friends have come through with new funding for much-needed scholarships. Designed to stimulate efforts to raise private donations to support Purdue students from Indiana, the Indiana Challenge Match represents a nearly \$7 million commitment of University funds. This issue of our PVM Report tells the story of one of our graduates who accepted the challenge and is creating a new scholarship endowment for veterinary students. I know personally how rewarding it can be to give such a gift, because my wife, Dorothy, and I accepted that challenge as well, making our own contribution to create a new veterinary student scholarship endowment.

Another challenge our College is tackling involves studies of the debilitating disease, Multiple Sclerosis. Two of our basic science researchers, Drs. Riyi Shi and Chang Kim, are unlocking secrets about the way in which MS attacks the body's central nervous system. Their related, but independent projects hold great promise for finding future treatments.

I hope you enjoy these stories, as well as their presentation in this new electronic newsletter format. As we look to stretch every penny to make the best use of our resources as a College, the opportunity to deliver this summer issue of the PVM Report to you electronically enables us to provide you timely information, along with some extras like access to videos and links to related material, while also increasing our efficient use of financial resources. So please take a few minutes to peruse these stories, whether at your computer, on your smartphone or other mobile device. For those who still prefer a publication that comes in the mail, we will continue to print our Annual Report issue. In the meantime, accept this challenge to embrace the benefits of communication in the digital age. And trust me; if I can learn to do it, you can too!



Dean Willie M. Reed, DVM, Ph.D.



PVM Report

Purdue University College of Veterinary Medicine

2012 Summer Edition Volume XXXV - Number 1

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Contents



3

More Than Meeting Expectations

Purdue Veterinary Students earn high praise for organizing a national student veterinary conference.



8

Answering the Call to Serve

For two Purdue Veterinary Medicine graduates, commencement signaled the start of veterinary practice in the U.S. Army.

17

Students Helping Students

PVM Ambassador Program Expands.

20

The Face Behind the Call

Meet Schuylar McGuffey ... if you haven't already taken her call from the Purdue Telefund.

23

The Fight Against MS: A Tale of Two Studies

Dual PVM studies hold promise of translating laboratory discoveries into human medicine.

27

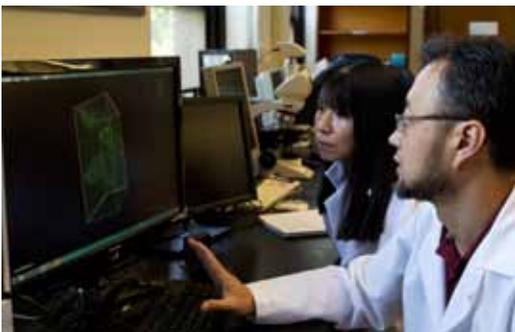
The Eyes Have It

Veterinary Ophthalmology Team Serves Dogs that Serve.

28

From Hong Kong...With Love...for a Cat!

Purdue Veterinary Doctors play good will ambassadors to help a Chinese domestic cat.

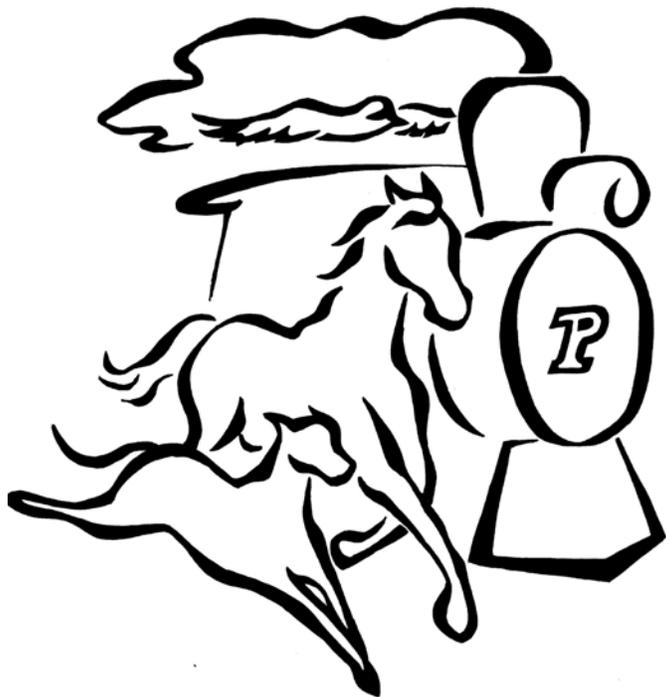


On the cover: *Dinner for a party of one... thousand?! Not a problem for Purdue Veterinary Medicine's team of student leaders who organized the 2012 SAVMA Symposium, complete with a dinner gala for all the attendees. The annual three-day conference offering continuing education and a variety of special events and activities for veterinary students originated at Purdue more than 40 years ago. After months of organizational work, Symposium co-chairs Justin Heinz and Briah Tannler let their enthusiasm show as they welcomed veterinary students from around the world at an opening night reception.*





More than Meeting Expectations



It was like the ultimate finals week test. But the test actually came about a month and a half before finals week at Purdue University, when close to 1,000 veterinary students from across the country and around the world arrived at Lynn Hall in West Lafayette, Ind., to see what Purdue veterinary students had prepared as hosts of the 2012 SAVMA Symposium. The annual conference for the Student American Veterinary Medical Association moves around to different U.S. veterinary colleges, and Purdue had won the right to host the three-day event this year. The students, led by event co-chairs Justin Heinz, of the DVM Class of 2012, and Briah Tannler, of the DVM Class of 2013, with guidance from Dr. Jim Weisman, director of student services, had worked for months preparing a full slate of continuing education sessions, special events and social activities. Now, the moment of truth had arrived.

The date was March 15, which, in Indiana, is a gamble from a weather standpoint. The fact that the previous year's event in California was marked by an untimely cold wind and rain provided no encouragement. However, March 15 dawned with a cloudless sky. The forecast for the week called for no rain and temperatures in the 80s – about 30 degrees warmer than the average high temperature for West Lafayette in the month of March. With much of the campus vacated by Purdue students who were gone for spring break, the setting seemed idyllic.

The weather seemed to portend success, and as the hours passed, the dozens of Purdue students, faculty and staff who volunteered their time, help, and expertise

were rewarded with praise and applause for providing an outstanding conference experience. Co-chair Justin Heinz, speaking for the organizing committee of more than 30 student volunteers, says the amount of help they received from the Purdue Veterinary Medicine family probably was the biggest key to the event's success. "Overall, everyone from students to clinicians to technicians to staff seemed genuinely excited about hosting the Symposium," Justin recalls. "We had a number of faculty approach us with ideas for lectures and wet labs that had never been attempted at other Symposia. Thanks to their help with the organization and implementation of these programs, we were able to offer a phenomenal conference that really set the bar high for the amount of practical experience that attendees received."

Justin also says it was important to the students to know the College's administration was firmly behind the students' efforts. "The administration was always available to help with issues and certainly without Dean Willie Reed's support from the start, Purdue's Symposium never would have happened. Dr. Jim Weisman was crucial to the planning and his expertise in conference coordination and educational content was invaluable in the success of this event," Justin adds. He also says, it was vital to have a core of dedicated student and staff volunteers who worked very well together, even in the face of periodic frustrations and differences of opinion.

The comprehensive nature of the conference program and the variety and quality of special events reflected the herculean organizational effort. "The continuing education sessions covered every aspect of veterinary medicine, from basic clinical sciences in both large and small animal medicine to non-practice opportunities," said Co-chair Briah Tannler. "There was an array of lectures and wet labs that pertained to the participants' primary interests, as well as areas that the attendees may not have considered previously." Special events included behind-the-scenes tours of Chicago's Shedd Aquarium and the Indiana Downs Racetrack and Casino near Indianapolis, Ind., as well as a sightseeing trip to the Indianapolis Motor Speedway, home of the famed Indianapolis 500. Athletic competitions were planned as well, including a Tug-of-War between teams of students from the various veterinary schools represented at the conference, and a 5K run. The capstone event was the concluding Gala on Saturday, May 17, at Purdue's Lambert Fieldhouse, which was transformed from an indoor track and field venue to a formal dining area capable of accommodating the nearly 1,000 attendees, who heard a keynote address by Dr. Temple Grandin, author and Colorado State University professor of animal sciences.

Justin says one of the biggest challenges in organizing the Symposium was the fact that, "...up until about six months before, everything was just



Veterinary students from Michigan State University enjoy the 80 degree weather at lunchtime Saturday outside the Purdue Memorial Union.



Symposium attendee Sunghyun Hong of Chungbuk National University in South Korea visits with Hill's company reps in the exhibit hall.



abstract ideas and plans. A lot of the venues, trips, and spaces for the conference would not commit a year or so in advance, so we really couldn't finalize the contracts until they were ready," Justin remembers. "The size of the conference, as well, posed a significant issue. Being one of the smaller veterinary programs in the U.S., space and man-power were legitimate concerns. Once again, the fact that the college really came together made this much easier to overcome."

This was the 41st year for the national veterinary student conference, and it was fitting to host it at the same venue where the first conference was held in 1971, by what was then called the National Conference of Student Chapters of the AVMA – the forerunner to SAVMA and the SAVMA Symposium. Dean Willie Reed highlighted the historical relationship that exists between Purdue and SAVMA as he welcomed the participants at the opening ceremony on Thursday, March 15. "We are proud to have played a pivotal role in the founding of this annual national event, and I am extremely pleased with the work our excellent team of student volunteers has done to organize such an outstanding conference for 2012," commented Dean Reed.

Another major component of the Conference was the Exhibit Hall, featuring displays by 32 companies. Support for the conference came from nearly 50 sponsors including: Hill's Pet Nutrition, Pfizer Animal Health, the American Veterinary Medical Association, the Indiana Veterinary Medical Association, PetSmart Charities, Merial, and Nestle Purina. A complete list of sponsors can be viewed at: <http://savmasymposium2012.com/sponsors/>



Justin says the most enjoyable part of hosting the conference came at the end, "...looking back after everything was done and seeing what we accomplished. During the conference itself, it was difficult to appreciate how well it went," Justin says, adding, "...it was exciting for all the student volunteers to see the program come together...realizing that there are very few people who can say that they accomplished something like this."

The benefits of hosting the event for the College and students are numerous, according to Justin. "Definitely, it is free advertisement for the Purdue Veterinary Medicine program. With more and more students pursuing post-graduate training, it really gives the College an opportunity to showcase its strengths," Justin says. "More than that though, it allows everyone in the host school to participate in a national conference." Justin explains, "I have been to three other Symposia, but a lot of my colleagues cannot say the same. The Symposium is about education and advancement of knowledge, but it is also about creating bonds between students and schools, establishing networks for careers, and having some fun while this is happening."

Justin says another advantage of hosting the event is the opportunity it gives the students at the host school to showcase their own strengths and improve their

own skills. "Being a veterinary student is difficult, but organizing lectures and wet labs for 1,000 people simultaneously seems impossible. The abilities that students developed while planning the symposium will be vital to their success as veterinarians, including multi-tasking, managing large numbers of people and problem-solving."

Knowing that his fellow Purdue students got a lot out of the experience is particularly important to Justin since, as he says "...this was all kind of my fault. I first got the idea after the national SCAVMA (Student Chapter of the American Veterinary Medical Association) president's meeting and leadership retreat in Schaumburg in September 2009."

Justin concludes that, as a result of the Purdue University College of Veterinary Medicine hosting the 2012 SAVMA Symposium, "I think our own students value their degree a little more...Through organization of lectures, wet labs and tours, I have a greater appreciation of the significant contributions that Purdue University is making to the profession and beyond, and I think our students will have more confidence in their professional and personal lives as a result of this very unique opportunity."





Answering The Call to Serve

For two Purdue Veterinary Medicine graduates, spring commencement ceremonies signaled the start of veterinary practice in the U.S. Army. Dave Johnston and Lindsay Flesch opted to make a commitment to the military as part of their plans for obtaining a veterinary education. At graduation, they knew they would soon be heading off to San Antonio, Texas, for the Medical Officer Basic Course at Fort Sam Houston.

For Lindsay, there was no break after graduation. She got married during Memorial Day weekend, and became Dr. Lindsay Wright. After she completes her officer training in July, Lindsay will embark on her first assignment, as a Captain, serving as the Officer in Charge of Fort Campbell, Kentucky Veterinary Services. This responsibility will fulfill an interest that developed during her second year of veterinary school, when she listened to a presentation by a recruiter who discussed the variety of different tasks that a military veterinarian performs on a daily basis. “It was exactly what I had hoped for in a future job opportunity,” explains Lindsay. “It also gave me the opportunity to give back and help keep our nation’s fighting force safe. It is the perfect blend of practicing veterinary medicine and public health.”

Dave’s first stop after his training in San Antonio will be the Yongsan Garrison in Seoul, South Korea. “I didn’t think this would quite be my path back in kindergarten

when I stood up in front of the class and told everyone I wanted to be a veterinarian when I grew up,” Dave says. “But it has been a great journey so far and will continue in South Korea.”

He says the reality of the situation hasn’t hit him yet, as he has been traveling and enjoying some time off since commencement. “I think once I hit the Texas heat and start my training, things will set in. I have tons of thoughts running through my head...I am a small town Indiana boy who has not left the state to live anywhere else. In a few months I will be heading to South Korea for a year.”

Dave says he became interested in the possibility of joining the military during his senior year of undergraduate studies at Wabash College. “I have always been interested in giving back after receiving my degree. During my senior year at Wabash, I stumbled across an advertisement for the Army’s human medical scholarship. I looked up more information online and found out that the Army also had a scholarship for veterinary students. I thought about this for about a year,” Dave says, adding that he realized this opportunity would allow him not only to give back, but also to travel and pay for his education. “So I applied and received the scholarship. Another factor I like is that I will be expected to stay in shape and work out on a regular basis. I enjoy challenges and this opportunity will challenge me on multiple levels.”

Though his military commitment represented a new obligation, he viewed it as a positive influence. “I am a hard-working person but it gave me some more motivation to push on when I wanted to stop,” Dave explains. “It gives you another reason to keep studying besides getting that good grade. You know you have a job when you are done and this for me kept it in perspective. I realized that I would need to master this material to serve my country effectively. I wanted to be sure I would be able to be a helpful part of the team once I got to my first assignment,” Dave explains.

Dave also says his fellow students have been great. “My classmates were supportive. Many of them would say that they thought it was a great opportunity, some would even say that they looked into it, but concluded that the military life just wasn’t for them. Underclassmen always had questions about the scholarship and wanted advice about applying.” Dave says he would like to thank the students, faculty and staff across the campus who have been extremely supportive.

Lindsay says her classmates also were very encouraging and some were curious about her scholarship and future job assignments. She points out that it was nice having another student in her class with the same scholarship because they could discuss important paperwork and things that they needed to keep track of to meet the scholarship requirements. Lindsay further explains that her commitment to the military affected her education in a very positive way. “As part of the scholarship we are expected to maintain a solid grade point average. It gave me daily motivation to study hard and do my best because I knew that the Army expected that of me.”

Now Lindsay says she is very excited to see where the military will take her over the next few years. “I am trying to keep an open mind in regard to my future career path. I am both nervous and excited to start my career as a veterinarian, taking off the ‘training wheels’ that Purdue has offered over the past four years and putting my education to good use. I feel well prepared to begin practicing veterinary medicine.” She adds, “If the military is a good fit, I plan on staying and continuing my career as an Army veterinarian. Staying in the military will require additional education. I am considering an MPH program or potentially a small animal surgery residency.” Lindsay’s long term goal is to own a small animal or companion animal hospital.

Dave also isn’t certain at this point how long he will remain in the military. “The Army will afford many opportunities. Right now my goals are to make the best of this next year and see what possibilities are presented to

me and pursue them full speed when they come.” Dave is thinking of specializing at some point, but he isn’t sure in which field. “The military will help me specialize if I choose to follow that path.”

“If you decide [the Army] fits you well, go for it. But you have to really think about it yourself and make sure it fits you.” - Dr. Dave Johnson

In regard to other current or prospective students who are interested in this kind of opportunity, Dave and Lindsay both encourage them to look into it further. Dave says, “It’s not for everyone, but it is a great opportunity to push yourself in all aspects of life. If you decide it fits you well, go for it. But you have to really think about it yourself and make sure it fits you.” Lindsay adds that it’s a good idea to talk to others who have received the Health Professions Scholarship Program (HPSP) scholarship. “Find out as much as you can about what it really means to be an Army veterinarian and then decide if it is a good fit for your personality, goals and lifestyle.” Dave echoes those sentiments, and advises, “It is also important that your support group of family and friends is behind you and well informed about why you want to do this, and what it actually means to be a veterinarian in the Army. My family and friends have been great and I thank them for their understanding and support.”

October 13, 2012

PURDUE TRADITIONS

BRINGING BOILERMAKERS HOME

- Family-friendly celebration, three hours before the game on Stadium Mall
- Stage performances, food vendors and activity tents
- Homecoming Football game Purdue vs. Wisconsin

For information on Purdue homecoming activities, visit www.purdue.edu/homecoming

PURDUE **P** **ALUMNI**

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DVM Class of 2012

Chooses Diverse Career Paths



Members of the DVM Class of 2012 are pursuing a variety of opportunities after celebrating commencement with a dramatic flair May 13. A surprise flash mob dance provided a rousing finish to the day's events, which began with the official Purdue Commencement Ceremony in the Elliott Hall of Music. Immediately following, the graduates and their families walked to the Loeb Playhouse for the traditional Veterinarian's Oath Ceremony, where the 67 members were congratulated by Dean Willie Reed, Purdue Veterinary Alumni Association President-elect Larry Stauffer (PU DVM '67) and Indiana Veterinary Medical Association President Paul Clemente (PU DVM '82). Then, enjoying her new status as "Doctor," Kimberly Anderson gave the "Class Response." During the reception that followed, the graduates transformed themselves into a "Flash Mob" and conducted a spirited dance routine to celebrate their completion of the DVM program. To view the Flash Mob, click here: <http://www.youtube.com/watch?v=xmh5uVKlzhM> To hear the reciting of the Veterinarian's Oath, click here: <http://www.youtube.com/watch?v=I6wO1ZNcwI> To see the program with a complete listing of the names of the graduates <http://vet.purdue.edu/newsroom/2012/files/documents/oath-ceremony-program-12.pdf>



The new graduates are pursuing a range of interests, with nearly 20 (or 28% of the class) opting for internships in small animal, equine or wildlife, or post-graduate training. Two are continuing on at Purdue University, where one is entering a residency in pathology and the other is earning a Ph.D. in ecology, evolution and environmental biology. Another graduate is starting a residency in laboratory animal medicine at the University of Michigan, and two are beginning veterinary practice in the U.S. Army (for related story, see pages 8-9). Others are taking jobs in private practice in small animal, equine, poultry and swine; in the pharmaceutical industry; and with the Indiana State Poultry Association.



White Coats & Awards

PVM Students Celebrate Accomplishments

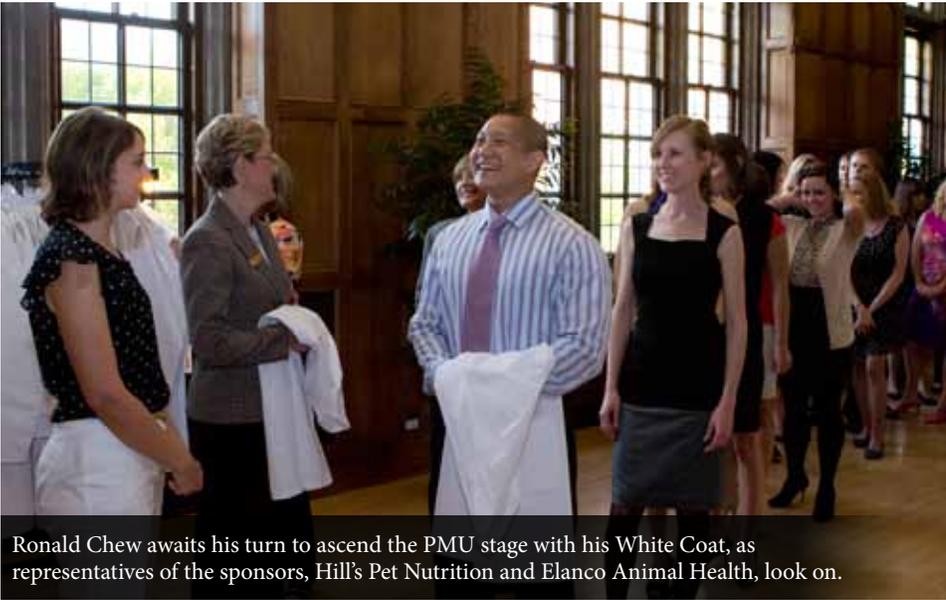
Friends and family of students in the DVM Class of 2013 came from across the country to see a cherished tradition this spring, when the third-year veterinary students walked across the stage in the Purdue Memorial Union North Ballroom to receive their official white coats. The annual White Coat Ceremony kicked off the Purdue University College of Veterinary Medicine's Spring Honors and Awards Banquet, co-sponsored by Hill's Pet Nutrition and Elanco Animal Health. The White Coat Ceremony formally recognizes the third-year students' transition from classroom to clinics, as they prepare for the start of their fourth-year clinical rotations in the Veterinary Teaching Hospital immediately after the end of the spring semester. The students' names were read aloud as Dean Willie Reed placed a white coat on each one. Each student also received a name badge from the Indiana Veterinary Medical Association (IVMA). At the end of the evening, the class posed for a group photo.

The banquet program also included the presentation of 45 awards for outstanding students and residents. Award categories included excellence in clinical performance, excellence in patient care and client communications, and excellence in academic performance. In addition, five students were recognized for serving in important leadership positions during the past year, and six faculty awards were presented. More than 400 attended the banquet on April 16. To see a complete list of student and faculty award recipients, click here:

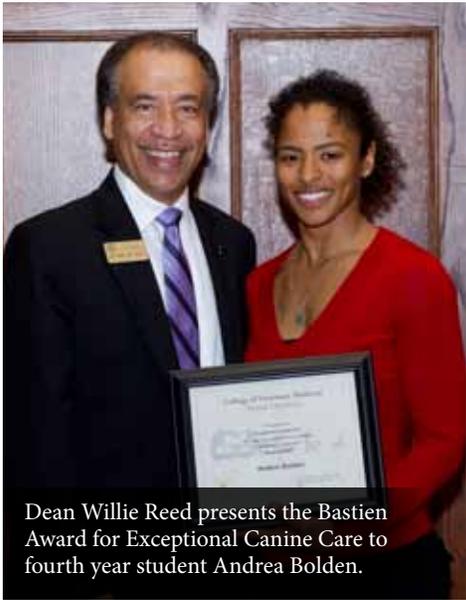
<http://vet.purdue.edu/newsroom/2012/files/documents/honors-and-awards-recipients.pdf>



With the last name of Zimmerman, Kelli is the final student to receive the Dean's help donning a new white coat during the ceremony.



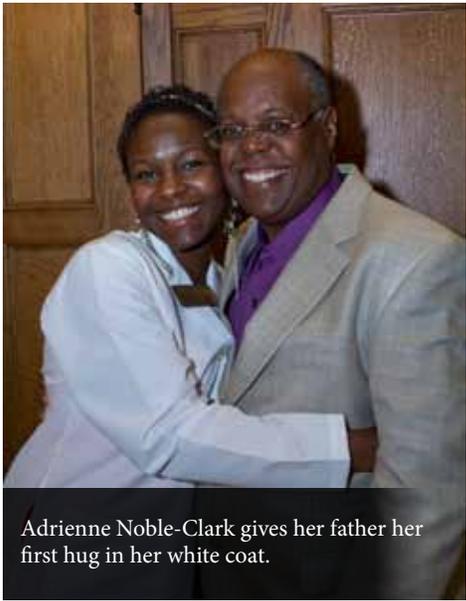
Ronald Chew awaits his turn to ascend the PMU stage with his White Coat, as representatives of the sponsors, Hill's Pet Nutrition and Elanco Animal Health, look on.



Dean Willie Reed presents the Bastien Award for Exceptional Canine Care to fourth year student Andrea Bolden.



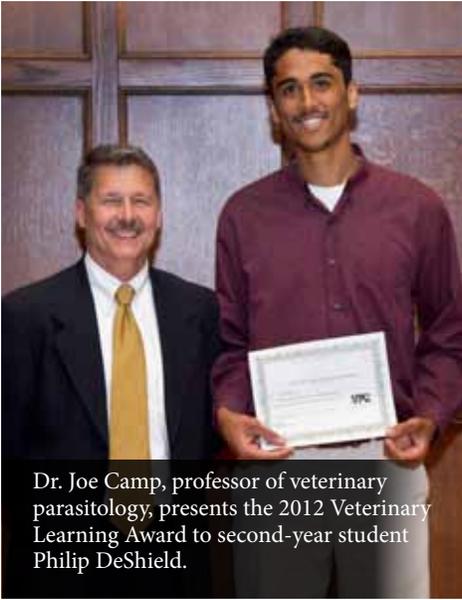
Assoc. Dean for Academic Affairs Kathy Salisbury congratulates Small Animal Surgery Resident Ryan Taggart on receiving the Katie McCallister Compassion Award.



Adrienne Noble-Clark gives her father her first hug in her white coat.



Purdue Veterinary Alumni Assoc. President Kristin Husband (PU AS-VT '02) presents the PVAA Senior Leadership Award to senior student Justin Heinz.



Dr. Joe Camp, professor of veterinary parasitology, presents the 2012 Veterinary Learning Award to second-year student Philip DeShield.



Dr. Paula Johnson, clinical assistant professor of emergency critical care congratulates third year student Amanda Hernandez after the ceremony

Welcome DVM Class of 2016

The incoming class of Purdue veterinary students represents the second class with 84 members. The College expanded its enrollment by 20% last year. The members of the Class of 2016 are listed below:

Lauren Adduci; Oak Forest, Ill.
Natalie Alberg; Fort Collins, Colo.
Cody Anspach; Winamac, Ind.
Zachary Bault; West Lafayette, Ind.
Ethan Biswell; Rio Rancho, N.M.
Chris Brahos; Valparaiso, Ind.
Rachael Breeding; Grundy, Va.
Samantha Breitwieser; Jasper, Ind.
Jessica Brenner; Alexandria, Ind.
Alyssa Brooker; Valparaiso, Ind.
Breanna Buckley; Hatfield, Pa.
Joshua Busenbark; Montezuma, Ind.
Emily Carter; Indianapolis, Ind.
Hee-Yun Cha; Corona, Calif.
Cheryl Cheung; Concord, Calif.
Amy Cobb; Raymond, Maine
Corina Collins; Crown Point, Ind.
Traimaine Creighton; Kingshill, Virgin Islands
Janelle Davidson; Cortland, N.Y.
Danae de Vries; Wheaton, Ill.
Shelly DeBoer; West Lafayette, Ind.
Erin Deliere; Washington, Pa.
Kyle DeYoung; Weiser, Idaho
Jean Drolet; Morrisville, Vt.
Neira Eisenmann; Carmel, Ind.
Michelle Elliott; Evansville, Ind.
Amanda Emery; Springport, Ind.
Jennifer Forgash; Robbinsville, N.J.
Abra Foster; Indianapolis, Ind.
Heather Gebolys; Carmel, Ind.
Sara Grayson; Ocean, N.J.
Olimpia Gutierrez; East Chicago, Ind.
Michelle Hanenburg; Battle Ground, Ind.
Maryssa Hatt; Waltham, Maine
Katelyn Hecke; Fort Wayne, Ind.
Anna Hood; Milan, Ind.
Kristyn Howe; Valparaiso, Ind.
Katelyn Jackson; Greenfield, Ind.
Whitney Johnson; Fort Wayne, Ind.
Erin Kelsey; Eau Claire, Wis.
Allie Keresman; Richmond, Ind.
Alison Khan; Johnson City, Tenn.
Barbara Kieszkowski; West Lafayette, Ind.
Christina Korb; Charlotte, N.C.
Dinaz Lahewala; Newark, Calif.
Angela Lay; Broken Arrow, Okla.
Mariann Lempert; West Lafayette, Ind.
Christopher Liguore; Ashford, Conn.
Ross Love; Russiaville, Ind.
Stephanie Mayard; Miami, Fla.
Elaine McCarthy; Indianapolis, Ind.
Elena McSherry; Richmond, Vt.
Tessa Meland; Scottsdale, Ariz.
Kara Miller; Cumberland, Md.
Betheny Moore; Richmond, Ind.
Laura Morman; Monroeville, Ind.
Stathia Nguyen; Kentwood, Mich.
Janice O'Brien; Chester, N.J.
Stefanie Olsavsky; Cicero, Ind.
Melanie Papariella; Indianapolis, Ind.
Eric Putman; Heuvelton, N.Y.
Kelly Ray; Middletown, Ind.
Brittany Rayburn; Veedersburg, Ind.
Ricarda Roberto; Woodland, Calif.
Stara Robertson; Fairfield, Calif.
Christopher Robinette; Anderson, Ind.
Michael Sanders; Rocky Hill, Conn.
Christina Schubert; Spring Lake, Mich.
Melissa Sim; Pakkret, Thailand
Jessica Slangal; Clayton, N.C.
Eryn Smith; Lafayette, Ind.
Katherine Smith; Frankfort, Ind.
Heather Solomon; Sheridan, Ind.
Shayla Szabo; Chester, Va.
Victoria Thomas; Poway, Calif.
Erin Toone; Williamsville, N.Y.
Kelsey Towner; West Lafayette, Ind.
Kira Tyson; Stillwater, Okla.
Brooke Wehr; Velpen, Ind.
Rachel Williams; New Albany, Ohio
Whitney Wolfgang; Baltimore, Md.
Jenna Yeager; Fort Wayne, Ind.
Kenichiro Yoshida; San Jose, Calif.
Kirsten Young; Lafayette, Ind.

New Veterinary Technology

Students Join PVM Student Body

The Veterinary Technology Program welcomes 30 clinical Veterinary Technology students to the Class of 2015 and 14 freshmen to the Class of 2016 for the start of classes in August. The class members and their hometowns are listed below:

Class of 2015

Katelin Bahr; Vincennes, Ind.
Jan Beyke; Jasper, Ind.
Jordan Bontrager; Goshen, Ind.
Traci Brackemyre; Indianapolis, Ind.
Sarah Buschmann; Indianapolis, Ind.
Hannah Byers; Rosedale, Ind.
Stephanie Camden; Pierceton, Ind.
Andrea Doll; Batesville, Ind.
Stephanie Douglass; Markle, Ind.
Lauren Forbes; New Haven, Ind.
Erin Irvin; Fishers, Ind.
Jessica Kanalos; Fort Wayne, Ind.
Emily Kennedy; Corydon, Ind.
Hilary Lodge; Hagerstown, Ind.
Anna McCulfor; Ft. Wayne, Ind.
Elizabeth Mix; Dillsboro, Ind.
Marissa Myers; Demotte, Ind.
Lauren Rainier; Chelsea, Mich.
Kiersten Sanders; Kokomo, Ind.
Leanna Sanders; Kokomo, Ind.
Nicole Shuler; Ft. Wayne, Ind.
Hannah Spencer; Logansport, Ind.
Mackenzie Stillberger; Wolcottville, Ind.
Abbey Taylor; Whiteland, Ind.
Mackenzie Wayco; Crown Point, Ind.
Chandra Whippen; Goshen, Ind.
Jordan Whitcomb; South Bend, Ind.
Tabitha Worden; Columbia City, Ind.
Emily Yeoman; Lafayette, Ind.
Jali Yoder; New Paris, Ind.

Class of 2016

Paige Beckman; Fishers, Ind.
Dominique Boyle; Saint Charles, Ill.
Tyler Brooks; Rochester, Ind.
Christa Crain; Jasper, Ind.
Chelsea Davis; Roachdale, Ind.
Harlie Dellinger; New Castle, Ind.
Jennie Edmanson; Bloomington, Ind.
Allie Enyeart; Wabash, Ind.
Michelle Fears; Mooresville, Ind.
Kimber Hunt; Dale, Ind.
Lisa Lenon; Lake Village, Ind.
Emily Pucel; Knox, Ind.
Danielle Redkey; Zionsville, Ind.
Jaclyn Thomas; Paoli, Ind.



Veterinary Technology Program Honors **New Graduates**

As 2011 drew to a close, nearly 60 veterinary technology graduates celebrated a new beginning as they participated in the Veterinary Technology Oath and Awards Ceremony at Fowler Hall in the Purdue Stewart Center. The December program recognized 20 Bachelor of Science Degree recipients and 37 Associate of Science Degree recipients, including 11 who earned their degree through the Veterinary Technology Distance Learning Program. The Associate of Science Degree candidates recited the Oath of Ethical Conduct before Maggie Lump (PU AS-VT '01), president-elect of the Indiana Veterinary Technician Association (IVTA), formally welcomed them into the profession. Each of the graduates also received a special Veterinary Technology Program pin to be worn as a symbol of their professional and academic achievement. Several graduates also received awards. The recipients and their awards are:

•**Megan Murdock:**

Outstanding Veterinary Technologist Achievement (BS Program), sponsored by Harry and Freida Latshaw

•**Tiffany Feagles:**

Highest Academic Achievement (AS Program), sponsored by Harry and Freida Latshaw

•**Julia Jones:**

Highest Technical Proficiency (AS Program), sponsored by CH2 Imaging

•**Kaitlin Roscoe, Elisa Midle, and Kristen Jeffrey:**

Eber H. Allen Leadership Awards, sponsored by NEIVMA

•**Julia Jones:**

Indiana Veterinary Technician Association Leadership Award, sponsored by the IVTA and WCIVMA.

Additionally, Diagnostic Imaging Instructional Technologist **Liane Shaw** received the 2011 Outstanding Teaching Award, sponsored by Elanco. To view the reading of the oath, led by President-elect Maggie Lump of the Indiana Veterinary Technicians Assoc., (IVTA), click here: <http://www.youtube.com/watch?v=dX0gLsf7z7w>

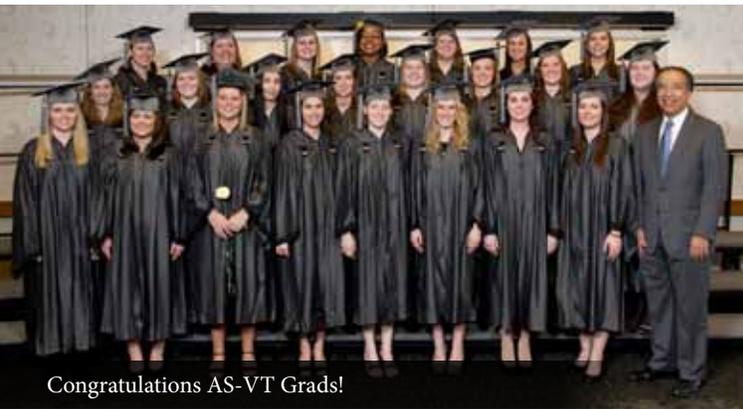
To view the presentation of the 2011 Outstanding Teaching Award by Elanco Animal Health representative Tony Rumschlag (PU DVM '85) and Alissa Kish, president of the Purdue Veterinary Technician Student Assoc., (PVTSA), click here: <http://www.youtube.com/watch?v=NvRkeD67WOk>

To view Purdue Veterinary Medicine Dean Willie Reed's comments to the graduates, <http://www.youtube.com/watch?v=3owk4on7yAc>

To view the commencement speech by PVM Senior Operating Room Technologist Pat Navarre, who spoke as the 2010 recipient of the Teaching Excellence Award, click: <http://www.youtube.com/watch?v=KFzPLsfYxXQ>



Dean Willie Reed shares the joy of graduation with the new BS-VT graduates!



Congratulations AS-VT Grads!



Liane Shaw, PVM diagnostic imaging instructional technologist, celebrates with graduates Juli Cook (left) and Amanda Parker after receiving the 2011 Outstanding Teaching Award, sponsored by Elanco Animal Health.



Celebrating success is a family affair for graduate Elise Bell.

Following the Oath and Awards ceremony, the degree candidates and their families gathered at a reception in Stewart Center, where each graduate received a personalized pen and keychain set or business card holder as a recognition award from the Purdue Veterinary Alumni Association, represented by PVAA President Kristin Husband, who is herself a Veterinary Technology Program graduate (PU AS-VT '02). Then the graduates proceeded to the Elliott Hall of Music for the University's afternoon commencement exercises.



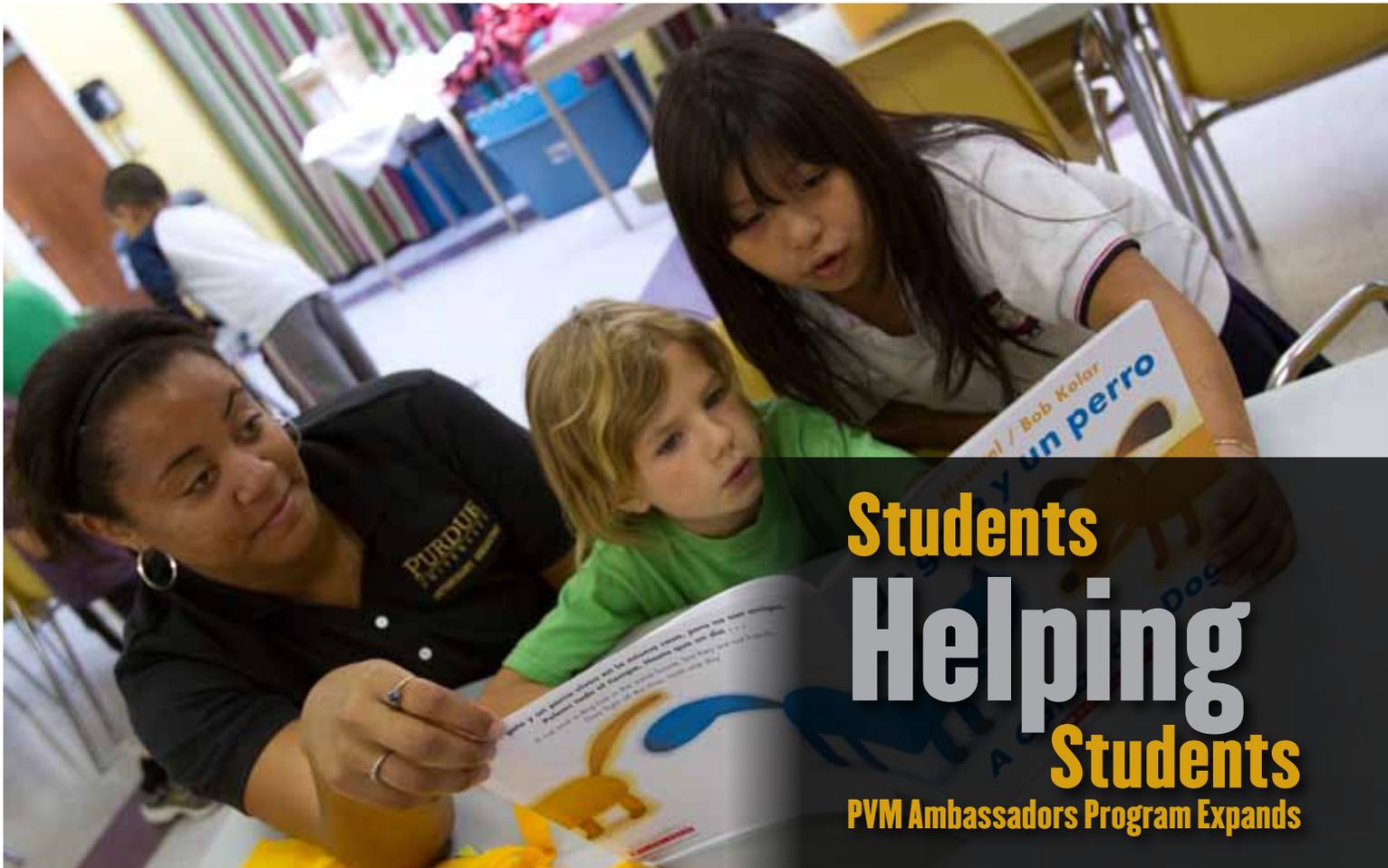
Reciting the Oath



The recipient of the Highest Academic Achievement Award for the AS-VT degree program, Tiffany Feagles, is congratulated by award sponsor Freida Latshaw and PVM faculty member Darryl Ragland.



Megan Murdock received the Outstanding Veterinary Technologist Achievement Award for a BS-VT student and is congratulated by sponsor Harry Latshaw and PVM small animal instructional technologist Mindy Anderson.



Students Helping Students

PVM Ambassadors Program Expands

Just three years ago, when Dr. Vanessa Hale (PU DVM '12) was a second-year Purdue veterinary student, the Purdue Veterinary Medicine (PVM) Ambassadors program was in its infancy – a pilot program with high hopes for positively impacting the local community, but with only nine veterinary medicine and veterinary technology student participants. In a manner reflective of the highest ideals of the PVM student body, Vanessa jumped at the opportunity to help grow the program.

Under Vanessa's leadership, the Ambassadors quickly partnered with Hanna Community Center in Lafayette, Ind., a nonprofit agency providing programs and services for the neighborhood and residents of Tippecanoe County. Vanessa organized Ambassador trips to the Center, where some of the student volunteers would informally work with Hanna children enrolled in their after-school program. Vanessa also took advantage of funding opportunities, and successfully received support from Purdue University's Office of Engagement to take the Hanna children on trips to the Indianapolis Zoo and to have Columbian Park's Zoo Mobile visit the Hanna Center.

Now, on the occasion of Vanessa's graduation, the PVM Ambassadors program looks much different, and new student leadership has taken over where Vanessa left off. The group has grown to 82 veterinary medicine

and veterinary technology students who host a variety of programs including: working with small groups of elementary and middle school students at the College for group educational programs, volunteering at Hanna's after-school program, hosting international visitors and assisting with tours of the college.

Jasmine Coe, of the DVM Class of 2014, is building on the past successes. Last summer, Jasmine received funding from Purdue University's Office of Engagement for PVM Ambassadors to take nearly 50 Hanna summer campers to the Indiana State Fair for Purdue Day. Thanks to continued support, the trip is occurring again this summer. In January,





Jasmine organized the Ambassadors so that every Thursday during the school year, four to eight PVM Ambassadors work with Hanna children enrolled in the after-school program on homework and reading. Jasmine is also leading the Ambassadors' new Literacy Program, which involves a partnership between PVM, Hanna and Scholastic Books. The program not only encourages literacy, it also builds science, technology, engineering and math (STEM) skills and fosters diversity.

The values that undergird the program and motivate the volunteers were on vivid display during an afternoon in May when the PVM Ambassadors launched the Literacy Program by handing out free books to Hanna children. Along with Jasmine, PVM Ambassadors Lauren Avery (Class of 2015), Maggie Placer (Class of 2014) and Dr. Hale (PU DVM '12), joined Dean Willie Reed, Associate Dean for Engagement Sandy Amass, and Scholastic Books representative Anne Sparks for the event at the Hanna Center in Lafayette. Each Hanna child received four books in a PVM tote. To see the video click here:

<http://www.youtube.com/watch?v=CLjaS3X8Cz4>

The publications included a book about animals, a multicultural book, a math book and a book written in both English and Spanish.

Children in kindergarten through second grade received: "Un gato y un perro/A Cat and a Dog," by Claire Masurel and Bob Kolar, "Animals Should Definitely Not Wear Clothing," by Judi Barrett, "Apple Countdown" by Joan Holub, and "Can You Say Peace?" by Karen Katz. Children in grades 3-5 received: "The Spirit of Tío Fernando/El espíritu de tío Fernando," by Janice Levy, "Presidential Pets," by Laura Driscoll, "Fractions, Decimals, and Percents," by David Adler, and "Chato's Kitchen," by Gary Soto and Susan Guevara.

PVM recently was approved as a member of Scholastic's Literacy Partnership Program in which the company provides books at a reduced cost for partners, who then distribute them for free to children in their communities. The Purdue Office of Engagement provided seed money to launch the new PVM initiative. The PVM Ambassadors seek support for the program to achieve their goal of providing at least one free book each month to every child enrolled in the after-school program. Individuals or organizations interested in supporting this effort should contact Dr. Sandy Amass, associate dean for engagement, at 765-494-8052 or amass@purdue.edu.



Public Gets First-Hand View at
49th PVM
Open
House

Thanks to hours of effort by Purdue veterinary and veterinary technician students, Lynn Hall was open to the public for the 49th Annual Open House on Saturday, April 14. Crowds thronged the informative collection of displays and exhibits, including the ever-popular petting zoo and fistulated cow. Children aspiring to become veterinarians had a chance to complete a grade card at the event and “graduate” – an accomplishment that included having their photo taken wearing a doctor’s white coat. New attractions included a display by the Indianapolis Zoo, which was hosted by Purdue graduate Michelle Bowman (PU DVM ’97), who is associate veterinarian at the zoo. A special thanks is in order for all the student volunteers, led by 2012 Open House Co-chairs Natalie Houser, Jesse Page and Amanda Hernandez.



PVM faculty member Dr. Jonathan Townsend visits with 4-H Veterinary Science participant Tiffany Wineinger, of Dubois County. 4-H members with winning veterinary science posters were invited to display them at the Open House.



Dr. Jim Weisman, PVM student services director, with Open House Co-chairs (left-right) Natalie Houser, Amanda Hernandez and Jesse Page, who were honored at the College's spring awards banquet.



Even a videographer for the local TV station joins in the fun at the Petting Zoo.



PVM graduate Dr. Michelle Bowman of the Indianapolis Zoo helps a young Open House visitor get up close and personal with an elephant skull.

Face Behind the CALL

Meet Schuylar McGuffey ... if you haven't already taken her call from the Purdue Telefund.



During the past year, you may have received a call from a young woman named Schuylar contacting you on behalf of the Purdue University College of Veterinary Medicine. Sky, as she is called by her friends, has greatly enjoyed speaking with each of the Purdue veterinary alumni and friends she has contacted while working for the Purdue Telefund. Since she started at the Telefund in the fall of 2011, Purdue alumni and friends have responded to her calls with pledges totaling \$36,000, including \$3,500 for the College of Veterinary Medicine. We thought you would enjoy getting to know this outstanding Purdue student and aspiring veterinarian who is the face behind many a call seeking support for your alma mater.

How did you get involved with the Purdue Telefund?

I found out about the Telefund through an email, actually. I knew a few people who had worked there and seemed to enjoy it, so I went ahead and applied.

What opportunities have you had with the Telefund that you would have missed out on otherwise?

I get to talk to alumni and friends of Purdue across the country every night, which is pretty awesome. I get to ask them all sorts of questions about career options that interested me. I was actually able to chat with a veterinarian about the Army's Veterinary Corps which helped me to decide that I would definitely pursue that option if I get accepted into veterinary school.

What are your favorite aspects of working at the Telefund?

I greatly appreciate the opportunity to speak with veterinary alumni and ask questions about their time at Purdue and experience as veterinarians. I really do care, and I am seriously interested in their answers. I have wanted to be a veterinarian since I was two-years-old and have planned my whole life around getting into veterinary school. When I am calling all these alumni and talking to them, it really means a lot to me because I am striving to be like them and hope to someday be in their shoes. Of course, not everyone is thrilled to talk to the students who call since it is a fundraising call. That's when I really appreciate the camaraderie that exists between the student callers. Everyone has a bad call at some point, and it is so nice to turn to the person next to you and find encouragement. I know I will be able to draw on the lessons learned from this amazing experience for years to come.

Schuylar's Bio

- Nickname: "Sky"
- Hometown: Rochester, Ind., where her family has a small Gelbvieh (beef) farm, with a small herd of Boer goats, a pair of draft horses, and a few cats and dogs.
- Major: Animal Sciences, Pre-Veterinary Medicine
- Graduation: May 2013, applying to veterinary schools this fall
- Pets: Pit Bull named Murphy; Holland Lop named Quincy; and a kitten named Cinder.

Campus Activities & Honors

- Block & Bridle, Pre-Vet, Heifer International, and Rodeo Clubs
- Harvest Moon Sorority, partner of FarmHouse Fraternity, her "family away from home"
- Dean's Scholars, Dean's Scholars Mentor
- Fellow for Food, Environment, Engineering, and Life Sciences (FEELS) program of scholarship, academic and cultural support to prepare students to excel in industrial, academic and public sector careers

Scholarship support for students in the Purdue University College of Veterinary Medicine is more important than it has ever been in the entire history of the school. That's why the timing is perfect for a new Purdue program that will match donations for scholarships as a way of encouraging increased financial aid for Indiana students.

A variety of factors are driving up the costs of a veterinary education, including evolving technologies and the need for highly specialized faculty. Purdue Veterinary Medicine students today are receiving outstanding preparation for their future careers, but the expense of that education is creating debt loads that, for many students, exceed \$100,000.

“These future veterinary professionals who receive scholarship support may be the next equine specialist in your area, or a public health official,” - Dr. Shaskas.

The financial picture is best for qualified students who can attend their in-state veterinary college. In October 2011, Purdue President France A. Córdova established a \$6.7 million Indiana Challenge Match that will leverage private donations with matching funds, giving veterinary and veterinary technology students the boost they need for a bright college future. These matching funds have been made possible by one-time gains from university investments this past year. Establishing scholarships through the Indiana Challenge Match can make all the difference for in-state students who need financial help to successfully enroll at Purdue. The scholarship must be unrestricted to allow the College to award scholarships for strategic enrollment needs.

The Indiana Challenge Match program works by helping donors meet the \$25,000 minimum necessary to establish a scholarship endowment by matching a cash gift of \$12,500. This gift can come from an individual or multiple sources, such as a corporate match or class challenge. The investment is payable over a three-to-five-year period. Additionally, to encourage larger endowments, a ten percent bonus will be added to the endowment for gifts of \$25,000 or more. Historically, a new endowment does not produce enough income to award a scholarship during the first year. This bonus will allow a scholarship to be awarded the same year the endowment is fully funded.

A scholarship gift is a wonderful way of extending a hand to these outstanding students and relieving some of the burden of their educational expenses. Dr. John Shaskas, a member of the Purdue DVM Class of 1978, and his wife Catherine, have established a veterinary student scholarship through the Indiana Challenge Match program, because of their desire to help ease the financial strain for students who are pursuing their dreams. “These future veterinary professionals who receive scholarship support may be the next equine specialist in your area, or a public health official” commented Dr. Shaskas.

A scholarship gift also provides a meaningful way to have your name, or that of another family member, friend or former teacher or mentor, associated in perpetuity with the College of Veterinary Medicine. If you are interested in such an opportunity to leverage this unique matching program to create a new scholarship endowment in your name or the name of someone you wish to honor, contact Becky Hershey, PVM Director of Development, at bhershey@purdue.edu or 1-800-830-0104.



Indiana Challenge Seeks to Match Scholarship Need



New PVM Advancement Director Named

Jeff Spielman has joined the Purdue University College of Veterinary Medicine staff as the newest member of the Office of Advancement. Jeff comes to Purdue from the Iowa State University (ISU) College of Veterinary Medicine where he served as the executive director of development. During his tenure at ISU, the College of Veterinary Medicine had record fundraising years and completed over \$120 million in construction for both the large and small animal hospitals.

Jeff began his development career at Buena Vista University in Storm Lake, Iowa where he served as assistant athletic director and head basketball coach. Previously he was the athletic director and basketball coach at the University of Wisconsin-Richland, and an assistant coach for the USA Men's Basketball Team. A native of Minnesota, Jeff is the son of a building contractor and Army veteran. He worked side-by-side with his father during high school and college, and also served as a member of, and recruiter for the Minnesota Army National Guard. Additionally, he has experience as a general contractor for residential home construction and as a real estate manager and sales associate.

Jeff holds a Master's Degree from South Dakota State University. After a very successful career in college athletic administration and coaching, he pursued other opportunities in order to have more time with his growing children and to support their participation in sports. His youngest son, Alex, became one of the best track high hurdlers in the Midwest, despite losing his hearing to spinal meningitis at age five. His other son, AJ, played collegiate basketball at Grand View College. Today his sons both work as financial planners in Iowa, and his daughter teaches special education and coaches at a high school with her husband in the Chicago area.

Jeff also has always been very active in community projects and watched his father and mother give back to the community and church. Building projects are a passion for Jeff, and he is looking forward to working with the Purdue University College of Veterinary Medicine alumni and friends on PVM's current projects. He is excited about becoming a Boilermaker, and is ready to hit the ground running with other members of the Office of Advancement team: Becky Hershey, Director of Development; Kevin Doerr, Director of Alumni Relations and Public Affairs; Alan Glasgow, Communications Coordinator; Terry Patterson, Web Team Leader/Editor; Seth Bossingham, Web Developer; and Kelli Anne White, Administrative Assistant.

Web Re-Design Creates New Virtual PVM "Front Door"

After months of collaborative efforts involving the PVM web advisory board, students, department heads, faculty and staff, the Purdue Veterinary Medicine web team launched a newly designed PVM Web site, www.vet.purdue.edu June 12. Maintained in a powerful enterprise content management system, the new site lives in a brand new server and features a fresh and inviting look and feel that is more focused on goals of visitors to the site. In addition to a new home page, the Web site also debuts newly designed pages for PVM academic departments and the Veterinary Teaching Hospital and services. There also are brand new information sections for visitors and students, such as *About PVM* and *Student Services Center*. The entire effort to re-organize the main web site navigation structure and convert content to the new format, in compliance with Purdue University's new web style standards, has been comprehensive. And yet, the launch marked just the beginning of the web site's facelift. In the next few months, users will see more enhancements to the web site features and more content being created to better represent the PVM family to the world through the web. The PVM Web Team of Terry Patterson, editor/web team lead, and Seth Bossingham, web developer/designer, invite you to visit and enjoy the new home page and new formatted sections of the site, and to send feedback via vetwebteam@purdue.edu.





From Hong Kong... with love... for a Cat!

Dr. Alice Huang (center) and student Amy Mayfield with Dr. David Yu and Siu Hak Hung

What if your trip from home to the veterinarian was about 9,000 miles?! That's exactly the situation a cat named Siu Hak Hung was in earlier this year, when his owner proved that he would do whatever it took to provide the former stray the best medical help possible, even when that meant hopping a plane to bring the cat to Purdue University.

Roughly translated, the name of Dr. Yu's black and white Domestic Short Hair feline means "Little Black Panda." Siu Hak came into Dr. Yu's life several years ago, when a neighbor decided that he needed to adopt another stray to replace one that had passed away. The bond was forged, and a sequence of events was set in motion that ultimately would bring Siu Hak to West Lafayette, Ind.

Initially, life was normal for Dr. Yu and his faithful, albeit sometimes peevish, companion. But things changed in 2009, when Dr. Yu noticed that Siu Hak was losing weight. His veterinarian started him on a treatment and he improved. However, Dr. Yu says about nine months later, Siu Hak's condition worsened. Further evaluation led to the diagnosis of thyroid cancer. Siu Hak underwent surgery in November 2010. Afterward, Dr. Yu asked whether the cat needed any other treatment. One option mentioned was radioactive iodine therapy, which sent Dr. Yu on a web search to find out

more information. His research turned-up published studies by Purdue Veterinary Medicine Professor of Small Animal Internal Medicine Catharine Scott-Moncrieff. "I read the whole article," Dr. Yu says. "I was impressed by her work and realized she had good clinical sense and experience. I had trust in her and tried to determine how I might contact her."

Dr. Yu's research into radioactive iodine therapy did identify other centers that offered the treatment. But the choice for Dr. Yu was clear: the best resource was at the Purdue University College of Veterinary Medicine. When he did contact Dr. Scott-Moncrieff, he appreciated her timely and kind response. "She was very open and helpful," Dr. Yu recalls. Working out the logistics for such a trip took time, but finally, in January 2012, the day came for their trek half-way around the globe.

Dr. Scott-Moncrieff says she consulted with Dr. Yu by e-mail and recommended that a radionuclide scan be performed to investigate whether there was any evidence of metastatic disease or residual disease remaining after the thyroid tumor had been surgically removed. "If the tumor had recurred, we would have treated it with radioactive iodine," explains Dr. Scott-Moncrieff. She adds, "Neither radioisotope scans nor radioactive iodine treatment are

available for use in veterinary patients in Hong Kong.”

When Dr. Yu and Siu Hak arrived at the Veterinary Teaching Hospital, Dr. Alice Huang, visiting assistant professor of veterinary clinical sciences, evaluated the cat, and the scan was performed by the Hospital’s Diagnostic Imaging Service. “The scan showed no evidence of thyroid tumor, and Dr. Yu was able to take Siu Hak back to Hong Kong,” Dr. Scott Moncrieff says. And so concluded an interesting day at the office for Dr. Scott-Moncrieff, who, fittingly, also serves as the College’s director of international programs.

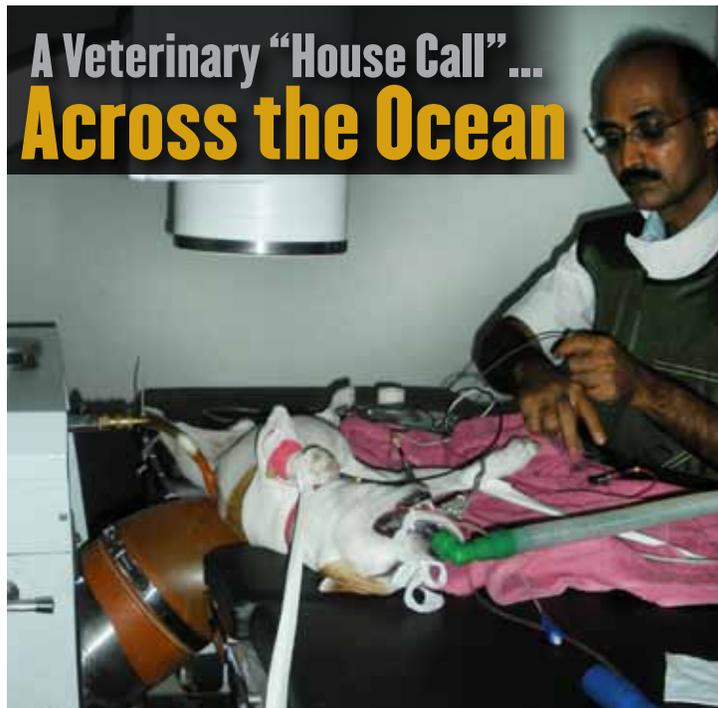
The case also gave the College the benefit of working with a truly international client. The student who first greeted Dr. Yu was Amy Mayfield, who is enrolled in the St. Matthews University School of Veterinary Medicine in the Caribbean, and was completing her clinical year at Purdue under terms of an arrangement between the two schools. Dr. Yu said his experience at Purdue was very positive. “The student who greeted me was very courteous. When we came into the exam room, I could tell that she tried to make it a warm and friendly environment. She was very thorough, taking the history of the cat and even asking about Siu Hak’s diet. She was very caring, and Dr. Huang was very good and effective.” And so, “Little Black Panda” is back home again...in Hong Kong, after serving as an international good will ambassador providing an important international experience for the Purdue Veterinary Medicine team.

Purdue Veterinary Medicine Fall Conference Returns to Campus!

Plans are in place for the 2012 Purdue Veterinary Medicine Fall Conference, which will be held on the Purdue campus in West Lafayette, Ind., September 18-21. Program highlights include the Dr. Jack and Naomi Stockton / DVM Class of 1971 Lecture on the topic of “The Mountain Gorilla Veterinary Project,” with guest speaker, Dr. Mike Cranfield. Attendees also will be able to select from different tracks and workshops, including Aquatic Animal; Professional Development – “Sharpening Up Your Clinic’s Brand,” sponsored by Pfizer Animal Health; Small Animal; Food Animal; and numerous sessions for veterinary technicians. Another special feature of this year’s Conference is the Friday specialty workshop line-up, which will include sessions on Shelter Medicine, sponsored by PVM’s Maddie’s® Shelter Medicine Program; Clinical pathology – Case Studies in Hematology; and a special “Community Service Track: Blood Donor Dog Program,” sponsored by Elanco.

Find out all the details and register NOW at vet.purdue.edu/fallconference.

A Veterinary “House Call” ... Across the Ocean



Sometimes it’s not feasible to bring a pet to the veterinarian, and for those situations, there are veterinarians who make “house calls.” And having a veterinarian travel across town to treat a pet is nice, but how about bringing a veterinarian more than 7,500 miles across the ocean to treat an animal companion? That’s just the situation that Purdue Veterinary Medicine Professor of Small Animal Internal Medicine Larry Adams found himself in after a colleague referred a resident of New Delhi, India, to him because her dog had kidney stones. The colleague had completed an internship and residency at Purdue and knew of Dr. Adams’ internationally recognized expertise in treating kidney stones with shock wave lithotripsy.

The patient was a ten-year-old male Jack Russell Terrier, named Patches. Dr. Adams spoke with the owner and concluded that Patches definitely was a candidate for shock wave lithotripsy. “The owner wanted the benefit of having someone who had done this procedure before present to supervise,” Dr. Adams says. So, Dr. Adams boarded a plane at the owner’s expense and made the trip to India to treat Patches. The procedure was performed at a medical facility there with Dr. Adams working alongside a local veterinarian. “We fragmented the kidney stones so they could pass,” explains Dr. Adams. The successful outcome was “all in a day’s work” for Dr. Adams, but the case cast an important reflection on Purdue Veterinary Medicine’s growing international linkages and reputation.

Another chapter has been added to the heartwarming story of the recovery of K-9 Shadow, a Belgian Malinois that recently retired as a Terre-Haute, Ind., police dog, after sustaining a career-ending injury during a shooting last summer that claimed the life of his partner, Terre Haute Police Officer Brent Long. At this year's Indiana Veterinary Medical Association (IVMA) annual meeting, Shadow was honored as the recipient of the Association's Hero Award.

Shadow's heroic story dates back to last July, when he was referred to the Purdue Veterinary Teaching Hospital (VTH) after he and Officer Long were both shot while serving a warrant on Terre Haute's north side. Even though Officer Long was fatally wounded, Shadow acted as a warrior on site, fulfilling his duty and helping to apprehend the assailant, despite taking a bullet to his jaw. "If the bullet would have gone one or two inches in another direction, the injury could have been fatal," said Dr. Tony Johnson, Purdue Veterinary Medicine clinical assistant professor, emergency critical care, who was one of the first to examine Shadow when he arrived at the VTH.

IVMA sent out nomination requests for the award, Cooke said Shadow was the first animal who popped into her mind. "It is just something that Shadow deserves," she was quoted as saying.

Dr. Cooke joined Shadow on the platform at the awards ceremony, along with Terre Haute police officers and family members of the late Officer Long. IVMA Executive Director Lisa Perius praised Shadow, saying that, while fulfilling his duty "Shadow exemplified bravery and heroism, which is why the IVMA is pleased to offer the Hero Award to Shadow this year."

Shadow underwent two surgeries while being treated at the VTH. Purdue Assistant Professor of Veterinary Surgery Amy Fauber says Shadow has completed his follow-up visits to the VTH, and the most recent check-up showed that Shadow was doing well and the wound was properly healing.

Shadow also is a nominee for the 2012 American Humane Association's Hero Dog Awards™ that are intended to celebrate the powerful relationships between dogs and people, and serve as a catalyst to advance society's understanding of the human-animal bond. Public voting, via the association's website, is



Mrs. Danielle Long, the widow of the late Officer Brent Long, receives the IVMA Hero award on behalf of K-9 Shadow, as other Terre Haute officers look on, joined by Shadow's veterinarian, Dr. Jessica Cooke.

The IVMA Hero Award honors animals in Indiana that have distinguished themselves through acts of great courage and heroism. Shadow was nominated for the award by his Terre Haute veterinarian, Dr. Jessica L. Cooke (PU DVM '07) who works at the Heritage Animal Hospital, which provided immediate emergency care to Shadow the night of the shooting, and then referred him to Purdue. "He's more deserving than anyone," Dr. Cooke told the Terre Haute Tribune-Star newspaper in a story February 12. When the

used to determine the finalists. The nominees are listed in categories, which include: Law Enforcement/Arson Dogs, Service Dogs, Therapy Dogs, Military Dogs and Search and Rescue Dogs. The voting concludes June 30, and the winner will be announced at an awards gala in Los Angeles in October. More information is available at:

<http://www.herodogawards.org>



Case “Lynx” PVM to Wildcats

Veterinary student Rebecca Rider helps prepare “Rocky,” the Lynx, for surgery to heal a fractured tibia.

Every cat that is referred to the Purdue Veterinary Teaching Hospital is special to the faculty, staff and students who work there. But some cases generate more of a stir than others. That definitely was the case in March when the Small Animal Hospital received a very special cat named Rocky, which proved to be a case with real “Lynx” to wildcats. The cat actually is a Lynx, and it was brought by its owner, Diana Johnson, who is a licensed serval breeder from central Indiana. Johnson had officially adopted Rocky in 2007, after he was confiscated from the previous owner by the Department of Natural Resources. He was about six-years-old at the time. “We befriended each other,” Johnson says, “...and we became a mutual admiration society.”

But Johnson realized in March that something wasn’t right when she detected a limp in Rocky’s walk. Her veterinarian referred Rocky to Purdue for treatment of a fractured tibia. After being sedated and anesthetized, Rocky was radiographed, and his medical team, led by Dr. Nicolaas Lambrechts, clinical associate professor of small animal surgery, performed a bone plating. Dr. Lambrechts says post-operative radiographs looked good and when it was fully awake, the Lynx was released from the hospital. Since then, Dr. Lambrechts says follow-up radiographs taken by the referring veterinarian show that the bone appears to be healed, and Rocky once again is using the limb normally. The case provided a unique learning opportunity for both the anesthesia and surgery students who were involved, along with an anesthesia resident.

The EYES Have It

Veterinary Ophthalmology Team Serves Dogs that Serve



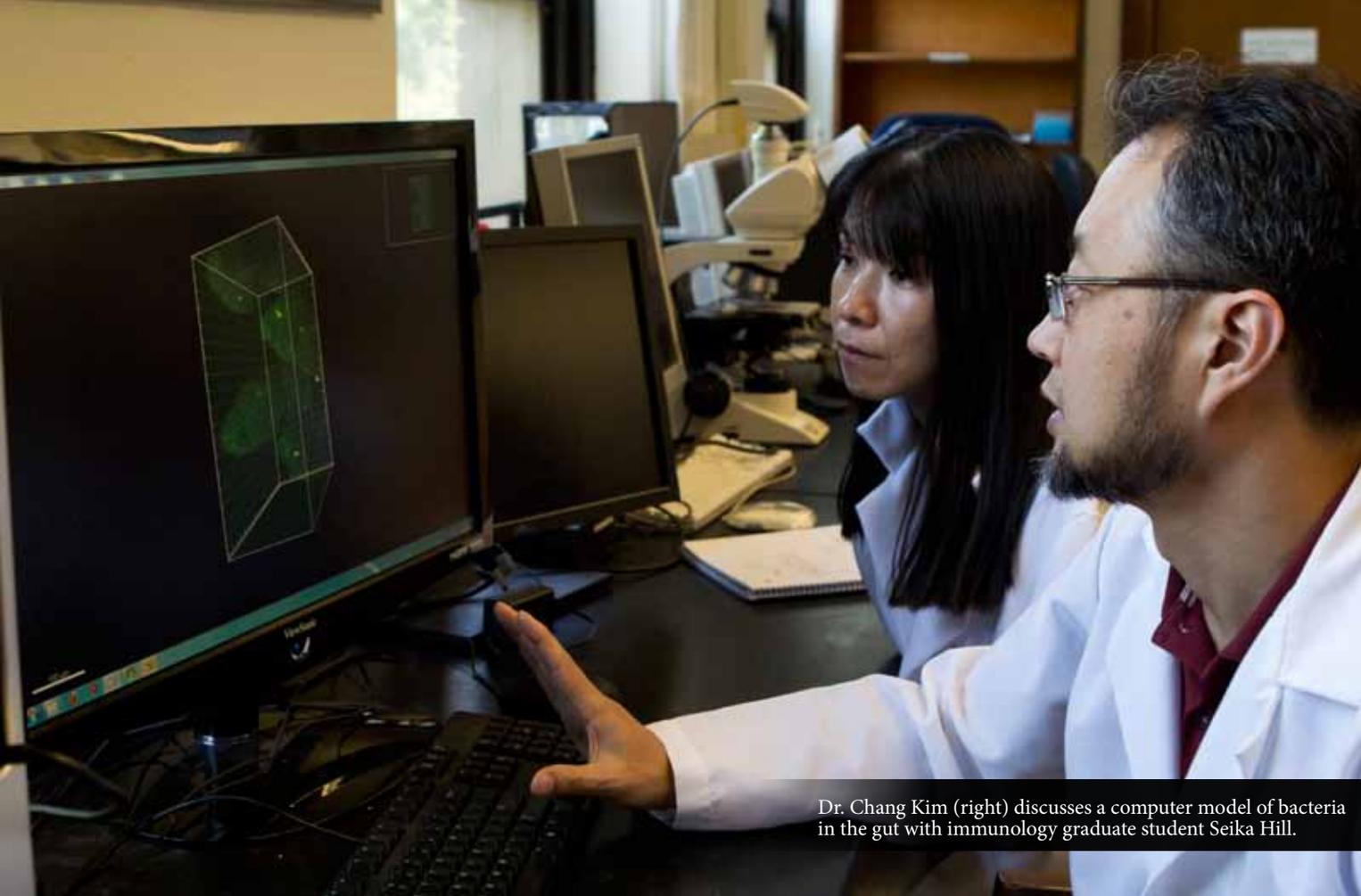
Indiana State Police K-9 Nico, a German Shepherd partnered with Trooper Jon Eads of Lafayette, Ind., awaits his free eye exam at the Veterinary Teaching Hospital.

“We definitely rely on his sight,” Indiana State Police Trooper Jon Eads says of his partner, K-9 Nico, a German Shepherd Dog trained for a variety of crime-fighting roles, including tracking and drug enforcement. That’s why Trooper Eads was glad to get Nico’s eyes thoroughly checked as part of a special free eye-exam service provided for one day in May by the Ophthalmology Service of Purdue Veterinary Medicine’s Veterinary Teaching Hospital. More than a dozen service dogs received the free ophthalmic exams at Purdue that day (May 7). The exams were offered in conjunction with a national program organized by the American College of Veterinary Ophthalmologists (ACVO) with support from Merial. “It’s critical to help preserve the vision and quality of life of working dogs because they provide such a vital service to their owners and handlers,” said Dr. Wendy Townsend, assistant professor of veterinary ophthalmology.



Dr. Wendy Townsend checks Nico’s eye, assisted by a veterinary technology student and a registered veterinary technician, while Trooper Eads watches an image of the eye on a monitor.

“The exams are important because small things that would be noticed by an ophthalmologist would likely not be noticed by a dog’s owner or handler, but could become a problem in the future.” More than 200 board-certified veterinary ophthalmologists throughout the U.S., as well as Canada and Puerto Rico, are estimated to have participated in the national program. During the complete ocular exam, the veterinary specialists look for problems including redness, squinting, cloudy corneas, retinal disease, early cataracts and other serious abnormalities.



Dr. Chang Kim (right) discusses a computer model of bacteria in the gut with immunology graduate student Seika Hill.

The Fight Against MS: A Tale of Two Studies

Dual PVM studies hold promise of translating laboratory discoveries into human medicine.

In the realm of disease diagnosis, the letters “MS” bring to mind unsettling thoughts about a silent menace called Multiple Sclerosis, which causes irreparable harm and knows no cure. Despite decades of research, the precise origin of this debilitating neurodegenerative disease remains a mystery. But that reality is a source of motivation for two Purdue Veterinary Medicine scholars who have developed promising hypotheses that could lead to future treatments for MS patients. The two researchers have different areas of expertise, and independently

embarked on projects focused on this disease. But their efforts are similar in that both projects are translational in nature, utilizing studies of the disease in mice as a precursor to human clinical studies.

Professor of Neuroscience and Biomedical Engineering Riyi Shi is a medical doctor and Ph.D., who has researched nerve damage related to paralysis for years in the Purdue University College of Veterinary Medicine’s Center for Paralysis Research. Studies at the Center found a link between nerve damage and a toxic compound called acrolein, which is found in air pollutants such as tobacco smoke and auto exhaust. Acrolein also is produced within the body after nerve cells are harmed by an injury, such as damage to the spinal cord in a paralyzing accident. “Only recently have researchers started to understand the details about what acrolein does to the human body,” Dr. Shi says. “We are studying its effects on the central nervous system, both in trauma and degenerative diseases such as multiple sclerosis.”

Specifically, Dr. Shi’s research has shown that in mice with a disease similar to multiple sclerosis, acrolein is elevated by about 60 percent in spinal cord tissues. Dr. Shi says the finding represents the first concrete evidence for a link between acrolein and MS. Dr. Shi further explains that acrolein is highly toxic to myelin, a protective material for nerve cells that is essential to the proper functioning of the

nervous system. Dr. Shi's research team is working to show that acrolein represents a new, effective target for therapies to reduce myelin damage and alleviate MS symptoms.

"Acrolein is like cholesterol – it is not a disease itself but increases a person's vulnerability to disease," Dr. Shi points out. "Acrolein may also be a biomarker useful in diagnostics, as a means of detecting the disease before symptoms start."

A key attribute of Dr. Shi's research is its translational approach that involves testing his hypothesis in mouse models and then in human MS patients. "We know, based on extensive preliminary laboratory studies, that acrolein is a suspect in the disease process. Now it's as if we have to convict acrolein as the criminal causing the disease, and then determine how to help protect the victims from harm."

With the help of funding from the National Institutes of Health (NIH) and the Clinical and Translational Sciences Institute (CTSI) in Indiana, Dr. Shi's team is in the midst of the next round of studies aimed at documenting the relationship between elevated concentrations of acrolein and MS symptoms, and evaluating the efficacy of anti-acrolein treatments in mouse models as well as in actual MS patients. Dr. Shi is collaborating with Dr. David Mattson, professor of neurology at the Indiana University School of Medicine.

"Conducting a human study will allow us to compensate for the limitations of the animal model," says Dr. Shi. "Such a combined investigation should yield more information than either approach alone." Dr. Shi is optimistic because preliminary laboratory studies found that two drugs, hydralazine and phenelzine, which already are approved as medications by the FDA, can offer significant neuroprotection in mice when the treatments are initiated before symptoms arise. Referred to as "acrolein scavenging medications," these drugs will be tested to see if they can deter or defer myelin damage and improve the quality of life for MS patients. "The treatments in mice did not cause any serious side effects," Dr. Shi said. "The dosage we used for hydralazine in animals is several times lower than the standard dosing for oral hydralazine in human pediatric patients. The usage in pediatric patients is 7.5 mg per kg of body weight, but we began testing at a much lower ratio of one mg per kg of body weight, which has turned out to be effective in delaying the onset of symptoms and lowering their severity in an animal model of MS," Dr. Shi explains.

Acrolein is a type of cell toxin called an aldehyde; and the drug, hydralazine, is effective because it has the ability to trap aldehydes and stick to them. Once hydralazine binds to the aldehyde, the toxin is neutralized, deactivated and secreted, according to Dr. Shi. "If we intervene early

enough, we may have the ability to slow down the process of diseases like MS," said Dr. Shi.

Even though initial results have been promising in animal testing, Dr. Shi stressed that additional studies will show whether these drugs can reduce symptoms even if treatment starts after the symptoms begin.

Purdue Veterinary Medicine Professor of Immunology Chang Kim, who earned the Purdue designation of University Faculty Scholar, which is reserved for faculty who are on an accelerated path for academic distinction, also is engaged in the fight against Multiple Sclerosis. His research is focused on one of the largest organs in the human body. "The bacteria in the gut influence you and your health, and the composition of bacteria in the gut is different in different people," Dr. Kim says. "The bacteria you have in your gut can affect your body, and your body can affect what bacteria are in your gut. These variations have implications for conditions like MS and obesity."

"The bacteria you have in your gut can affect your body, and your body can affect what bacteria are in your gut. These variations have implications for conditions like MS and obesity."-Dr. Kim

Dr. Kim says there is one kilogram of bacteria in the gut. "The bacteria do a lot of things for you, including digesting hard-to-digest components in foods for valuable nutrients," explains Dr. Kim. The gut bacteria are linked to a person's immune response. "They help promote and regulate general immune responses in the body. They also affect inflammation in the brain, which is a factor in MS. Inflammation that develops in the brain can be regulated by what is happening in the gut."

Dr. Kim's research aims to document the functions of gut bacteria and their metabolites in regulating immunity and inflammation. "Metabolites produced by the gut bacteria play critical roles in the immune system. These metabolites regulate the development and functions of various types of immune cells and are being studied by scientists as potential regulators of inflammatory diseases," Dr. Kim explains. Another important regulator of inflammatory diseases that are produced in the gut is retinoic acid, which is a metabolite of vitamin A. "There is a strong body of evidence that vitamin A metabolites play both positive and negative roles in regulation of the immune system, and we still do not clearly understand how

they function in both ways.”

Dr. Kim’s research into the correlation between metabolites, immunity and inflammation utilizes mouse models of human disease. He suspects that the presence of certain metabolites and specific families of gut bacteria may be a predictor of the degree of susceptibility to diseases like MS. “Through further study, we can determine the linkage between these metabolites and MS susceptibility and then look for mechanisms behind the immunological linkages. These efforts are expected to foster potential therapies that could impact the severity of symptoms and even the risk of contracting the disease,” says Dr. Kim. The national Multiple Sclerosis Foundation likes Dr. Kim’s approach and is helping to fund his research, which also is supported by the National Institutes of Health. “It is more than an idea – we have important data from preliminary studies,” explains Dr. Kim. “Now we need to complete this additional research to verify our hypothesis, which will be an important step toward application of the strategy for humans. This should be exciting research, with the potential for having a high impact on human health and the quality of life of MS patients.”



Dr. Riye Shi leads a research team that includes Gary Leung (left), a Ph.D. student in Basic Medical Sciences, and Melissa Tully, an Indiana University medical student jointly pursuing a Ph.D. in biomedical engineering.

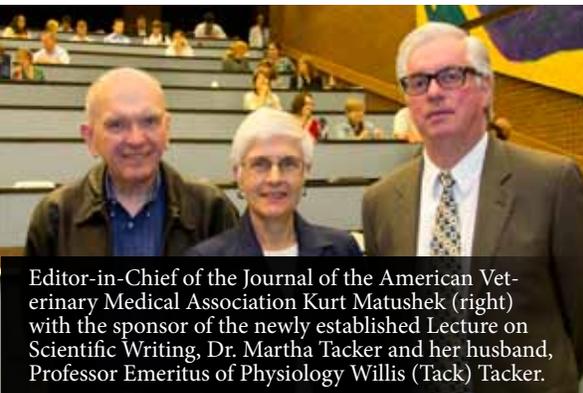
“There is a strong body of evidence that vitamin A metabolites play both positive and negative roles in regulation of the immune system, and we still do not clearly understand how they function in both ways.” -Dr. Kim

A Day of Discovery

Purdue's Omicron Chapter of Phi Zeta puts Students in Touch with Research



Dr. Ana Guimaraes won the Graduate Student Award and was recognized by Dr. Jeannie Poulson, Omicron Chapter President, (left) and Dr. Amy Fauber, assist. prof. of small animal surgery and neurology and Omicron Chapter President-elect.



Editor-in-Chief of the Journal of the American Veterinary Medical Association Kurt Matushek (right) with the sponsor of the newly established Lecture on Scientific Writing, Dr. Martha Tacker and her husband, Professor Emeritus of Physiology Willis (Tack) Tacker.



Dean Willie Reed talks with Anesthesia Resident Rebecca Krimmins about her research poster, which won 2nd prize in the Clinical/Applied Research Poster Competition.



President of the Omicron Chapter of Phi Zeta, Dr. Jeannie Poulson, with guest speakers Susan Kraft, Lynetta Freeman and Susan LaRue. Drs. LaRue and Kraft honored Dr. Poulson, assoc. prof. of radiation oncology, by wearing the PVM bandannas that Dr. Poulson gives to her radiation therapy patients.

It's an annual tradition dating back 25 years that celebrates scientific discovery in a way that engages students with Purdue Veterinary Medicine faculty. The Phi Zeta Research Day is an initiative of Purdue's Omicron Chapter of the national Phi Zeta Society, which seeks to promote and recognize high-level scholarship and research in veterinary medicine. Founded in 1962, the Omicron Chapter began the Phi Zeta Day tradition in 1987, setting aside a day for presentations about clinical and basic science research findings by the Purdue Veterinary Medicine faculty, residents, postdoctoral, and student community.

To honor the 25th anniversary of the event, the 2012 Phi Zeta Day, on April 16, featured a keynote address by two researchers with a passion for translational cancer research, which benefits not only pet animals with naturally occurring tumors, but also their human cancer patient counterparts. A capacity crowd of students, faculty and staff greeted the two Colorado State University faculty members, Drs. Susan Kraft and Susan LaRue, who spoke on the topic, "Translational Cancer Research: Getting the Most Bang for Your Bark," which covered their experiences using naturally-occurring tumors in pet animals to answer questions about tumor biology and response.

During the lunch hour, Purdue Veterinary Medicine researchers showcased their work during the annual Phi Zeta Day Poster Session. Many of the posters represented the scholarship of veterinary students who were partnered with faculty to gain first-hand experience with basic and clinical science research. "Many of our veterinary students have a talent for participating in scientific discovery," says Dr. Harm HogenEsch, PVM associate dean for research. "It's experiences like these that enable these students to recognize that ability and interest. This issue is especially acute for the veterinary medical profession, because so many of our incoming students have their heart set on clinical practice. Some of those also have a passion for scholarship, which is awakened when they have a chance to work with a faculty member in the laboratory."

Other Phi Zeta Day features included presentations by Dr. Lynetta Freeman, associate professor of small animal surgery and winner of the 2011 Pfizer Animal Health Award for Research Excellence, and Dr. Kurt Matushek, Editor-in-Chief of the American Journal of Veterinary Research and the Journal of the American Veterinary Medical Association, who gave the inaugural "Lecture on Scientific Writing." The lecture is sponsored by Dr. Martha Tacker, a communications specialist who herself has provided countless hours of scientific writing instruction to PVM students. The day concluded with a ceremony to recognize winners of awards for the poster competition and basic and clinical research manuscripts. To view the complete list of award recipients, click here:

<http://vet.purdue.edu/newsroom/2012/files/documents/phi-zeta-awards-listing-2012.pdf>



IVMA Officers at the 2012 Installation Ceremony (left-right): Immediate Past-president Lori Thompson, President-elect Phil Borst, Vice-president John Feutz, Treasurer, Aileen McDivitt, and President Paul Clemente.

PVM Alumni and Faculty HONORED

by Indiana Veterinary Medical Association

The members of the Indiana Veterinary Medical Association (IVMA) recognized two Purdue Veterinary Medicine alumni, as well as a current faculty member, with achievement awards during the organization's 2012 annual meeting in Indianapolis, Ind.

Volunteer Award

Dr. John Johnston (PU DVM '67), of Indianapolis, received the IVMA Volunteer Award, which is presented to an IVMA member who has provided leadership or service to a particular project or program of the association. A long-time member of the IVMA Annual Meeting Planning Committee, Dr. Johnston was praised for being a tremendous "behind-the-scenes" volunteer, quietly working on projects that benefit the IVMA. Now retired, Dr. Johnston worked in private practice until 1986, when he began a second career in the Meat and Poultry Inspection program, before joining the Indiana Board of Animal Health in 1994.

Achievement Award

Dr. Nathan Rich (PU DVM '06), of New Castle, Ind., received the IVMA Achievement Award, which recognizes an IVMA member, who has graduated within the last five years, for outstanding accomplishments in veterinary research, civic activities, academia, and/or organized veterinary medicine. Dr. Rich currently serves on the IVMA Board of Directors, PVM Young Alumni Board and is the chairman of the Membership Committee. He was recognized for his leadership and energy, which have reinvigorated the Membership Committee, helping it to succeed in gaining and retaining IVMA members.



Dr. John Johnston receives the IVMA Volunteer Award from IVMA President, Lori Thompson.



IVMA President Lori Thompson presents the Achievement Award to Dr. Nathan Rich.



Dr. Pete Bill receives the IVMA Lifetime Achievement Award from IVMA President and fellow PVM graduate Lori Thompson

IVMA Officers

Dr. John Feutz, (PU DVM '05), of Princeton, Ind., was elected as IVMA vice president, meaning he will transition into the role of President in two years. Dr. Feutz has served on the IVMA Board of Directors and is an active member of many IVMA committees. He also currently is one of ten veterinarians from across the country selected to participate in the American Veterinary Medical Association Future Leaders Program. In addition, Dr. Feutz is actively involved with the Indiana Farm Bureau and the Gibson County Fair Board and 4-H program.

Dr. Feutz joins an IVMA leadership team of Purdue graduates, consisting of Dr. Paul Clemente (PU DVM '82), President; Dr. Lori Thompson (PU DVM '00), Immediate Past President; Dr. Phil Borst (PU DVM '75), President-elect; Dr. Aileen McDivitt (PU DVM '00), Treasurer; and Dr. John Schnarr (PU DVM '70), Indiana Delegate to the American Veterinary Medical Association (AVMA). The installation of officers took place during the annual meeting of the IVMA in February.

Lifetime Achievement Award

Professor of Veterinary Pharmacology Robert "Pete" Bill, (PU DVM '80), was the recipient of the IVMA Lifetime Achievement Award. The award honors an IVMA member for cumulative service and accomplishments benefiting the profession, organized veterinary medicine, and the community. Dr. Bill, who also is the director of the PVM Veterinary Technology Program, has served on the IVMA board of directors and was the IVMA president in 2009. He also has been a member of the IVMA's Veterinary Technician Committee, Membership Committee, and the Redistricting Task Force. In addition, he is involved with the American Veterinary Technician Educators Association and the American Veterinary Medical Association. Highly regarded as an educator, Dr. Bill, who also holds Master's and Ph.D. degrees from Purdue, has received numerous teaching honors, including the 2011 Pfizer Outstanding Teacher Award, the School of Veterinary Medicine Award for Teaching Excellence, and the Charles B. Murphy Award, which is Purdue University's award for outstanding undergraduate teaching. Dr. Bill also was inducted into the Purdue University Book of Great Teachers in 2008.

Coming Events

August 6: Purdue Alumni Reception at the AVMA Convention, San Diego, Calif.

August 10: Purdue Day at the Indiana State Fair

Sept. 18-21: Purdue Veterinary Medicine Fall Conference -- Back on the Purdue Campus!
Experience top-quality continuing education and hands-on workshops along with a variety of special events including:

Tuesday, Sept. 18: IAHF/PVM Golf Outing (includes brunch) – at the Purdue Ackerman Hills Golf Course;
Pet Tribute Garden Anniversary Reception/Re-dedication & Elanco Lecture on the Human-Animal Bond.

Wednesday, Sept. 19: Combined Medicine Mixer and Auction

Thursday, Sept. 20: PVM Awards Celebration featuring presentation of the Distinguished Alumni Awards

Friday, Sept. 21: Community Service Track: Blood Donor Dog Program

Saturday, Sept. 22: Dr. Skip Jackson Dog Jog

October 13: Webster / Elanco PVM Tailgate on Purdue Homecoming Weekend

To view a complete PVM Calendar click here: <https://vet.purdue.edu/calendar>



PURDUE VETERINARY MEDICINE
2012 FALL CONFERENCE
EDUCATING TODAY'S TEAM TO IMPACT TOMORROW

REGISTER HERE

Sept. 18th-21st





INDIANA CHALLENGE MATCH

ENRICHING THE LIVES OF FUTURE PURDUE STUDENTS

Indiana is known for growing many things in the rich farming soil of the Midwest. One of the state's best commodities, though, is the brainpower of its students. At Purdue, we want to be in the best position to cultivate Indiana's best and brightest and turn them into Boilermakers. These future students will become our next business leaders, discoverers and award-winning researchers.

Your contribution to the Indiana Challenge Match can make all the difference for these in-state students with scholarship money specifically for them. The \$6.7 million Indiana Challenge Match issued by President France A. Córdoba will leverage private donations with matching funds, giving students the boost they need for a bright college future. These funds were made possible by one-time gains from university investments over the past year.

The match will let you establish a scholarship endowment or immediate use scholarship with a cash gift of \$12,500. To encourage larger endowments, a 10 percent bonus will be added to endowments for gifts of \$25,000 and higher. This will allow your first endowed scholarship to be awarded the same year it is fully funded.

Indiana Challenge Match scholarships must be unrestricted to allow Purdue to award scholarships for strategic enrollment needs. A donor, though, can designate funds to one of the following areas: college, school or departments, university honors, diversity programs, Purdue Opportunity Award or other university unrestricted scholarships.

INDIANA'S BEST STUDENTS NEED YOUR HELP TODAY. MAKE AN IMPACT NOW.

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