

Advance

2014-2015
Annual Report

A special edition of the *Advance* newsletter

Winter 2016

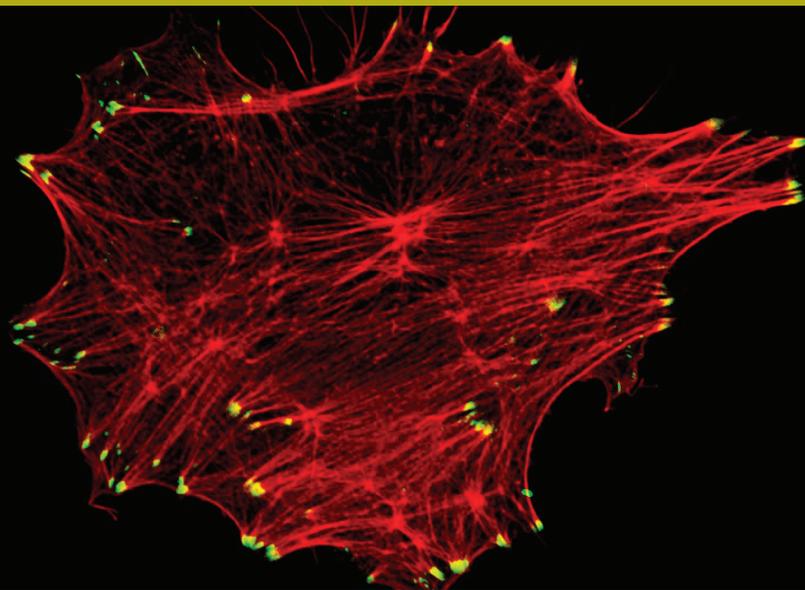
Healthy Animals

"Leah," a Cane Corso, or Italian Mastiff, with her owner Holli Tippin-Peters (left) and critical-care veterinarians Dr. Linda Martin (center) and Dr. Tandi Ngwenyama. Leah, a rescue dog, is fully recovered after 56 hours on a ventilator in the WSU Veterinary Teaching Hospital's Small Animal Intensive Care Unit.



Healthy People

A lung cancer cell. Researchers in the School of Molecular Biosciences are studying lung cancer cell motility to learn more about how cells metastasize.



Healthy Planet

(right) Matt Sammons ('16 DVM) is a Global Animal Health Professional Certificate student in the Paul G. Allen School for Global Animal Health. He works with Dr. Douglas Call to learn how bacteria shared between humans and animals might be related to malnutrition in children under five years of age (see page 7).





Dean Bryan Slinker,
WSU College of
Veterinary Medicine

Rabies is never far from our minds here in your College of Veterinary Medicine.

Aside from the occasional bat or other critter in the news, as we heard about here in Washington State this year when a cat was found infected with a strain of bat rabies, most people in the United States pay little heed to rabies. And with good reason. The recent incident in our state was only the fourth time in 25 years a domestic animal has been identified in Washington with rabies. In developed countries, rabies is quite rare in domestic animals because of access to vaccinations and city and state policies that require pets to be vaccinated.

Like Ebola, rabies mostly happens in faraway places and is almost always fatal. But unlike Ebola, which gained understandable attention last year when the West African outbreak reached crisis proportions, rabies goes unnoticed by most of the developed world. Ebola killed more than 11,000 people during the West African outbreak that began in December 2013. This is a tragedy. In that same two-year period, close to 120,000 people died from rabies in Sub-Saharan Africa and South Asia—more than 10 times the number killed by Ebola.

But, also unlike Ebola, for which there is no vaccination, we know how to prevent rabies. We have known how to do this for decades, and yet each year about 60,000 people die from it. Why? If we know how to prevent it, why does this have to happen year after year? Poverty. Hard-to-reach places. Weak infrastructures. That is why. These deaths occur in the developing world, often in the poorest and most remote parts. This is where the Paul G. Allen School for Global Animal

Health focuses its gaze, with programs to improve the health and economic security of the world's poorest people through our knowledge of animal diseases that matter in their lives.

Our pilot rabies vaccination programs in Tanzania has been a success. We want to expand our programs (as were described in a recent high-profile publication in the journal *PLoS Neglected Tropical Diseases* at go.wsu.edu/PLOSRabies). We want to join forces with the World Health Organization and others in convening a global alliance to eliminate rabies as a public health problem. We cannot truly eradicate it, but we can control it so rabies deaths in developing countries are as rare as they are in our country. Rabies does not have to kill people or animals.

We are positioned to lead in this effort. Just think of it, your WSU College of Veterinary Medicine leading the charge to rid the world of a major cause of death. To do so we need the help of everyone, including every veterinarian in the country—in the developed world for that matter—and the might of the collected animal health industries. We know what to do. And, as veterinarians, and as those who support the work of veterinarians, we should accept this challenge. As those who convened in Geneva for the December 2015 Global Elimination of Dog-Mediated Human Rabies conference declared (see www.oie.int/eng/RABIES2015/index.html), the time is now!

Go Cougs!

Dr. Bryan Slinker, Dean
WSU College of Veterinary Medicine

**Advance
Healthy Animals, Healthy
People, Healthy Planet**

WSU College of
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Photo with permission by WT Bruce

Sugar: The Horse that Never Gives Up

Jillian Connolly sits astride Sugar, a chestnut colored American Quarter Horse with a blond mane and tail and a white patch stretching down the length of her nose. Connolly quickly scans the barrel racing track and they are off for what she describes as the most thrilling 17 seconds. She and her 1000-pound athlete partner round the first of three barrels before she feels a giant lurch propelling them toward the next barrel. They make a clover leaf pattern around the barrels before they sprint to the finish line.

“We got to the professional level very quickly,” says Connolly. She earned her Women’s Professional Rodeo Association card with Sugar in 2012, one month after completing six events. For many riders and horses, that accomplishment can take years. They were also named Washington Barrel Racing Rookie of the Year and the National Barrel Horse Association Reserve Washington State Champion the same year. Together they have placed at many professional rodeos including the prestigious Pendleton Round Up in Oregon. As an accomplished barrel horse, she has lifetime earnings of over \$31,000, says Connolly.

But in 2013, while Sugar was taking some time off to heal a strained tendon, she developed severe sand colic. Horses can become ill with sand colic when they ingest sand or gravel while eating hay or feed on the ground, says Fairfield Bain, WSU clinical

professor of equine internal medicine. Horses with sand colic have abdominal pain and may have diarrhea, lose weight, or have other gastrointestinal distress. If not identified and managed early, it can be fatal. According to Dr. Bain, of the 80 to 100 horse patients admitted for colic each year, about 5-10 percent have ingested some sand or gravel. Surgery is recommended, he says, depending on the severity of pain and whether the patient is responsive to medication. In Sugar's case, persistent and recurrent pain made surgery the best option.

Sugar’s medical team at the WSU Veterinary Teaching Hospital were able to remove the majority of the sand and gravel from her large colon and she had a full recovery. “For big things like that, WSU is the place to be,” says Connolly. “I trust WSU. I have a very high level of confidence in the care we receive.

Today, Sugar and Jillian are still running professionally and are barrel racing together on weekends. “She never gives up,” says Connolly. “When something happens that could end her career, she comes back even stronger.”

Jillian Connolly wrote a children's book titled “A Horse Named Sugar” in 2015 based on Sugar's life and the trials she has overcome to come back to racing.

Annual Report 2014-2015

Revenue and Expenditures

Today, only about one-third of college revenue comes from state appropriations, including tuition. The remainder comes from sources such as grants, services, and philanthropic giving. As state funding continues to decline, the college will increasingly rely on charitable giving from corporations, foundations, and alumni and friends to maintain a margin of excellence in teaching, research, and patient care.

FY 2014-15 Expenditures (college wide)*

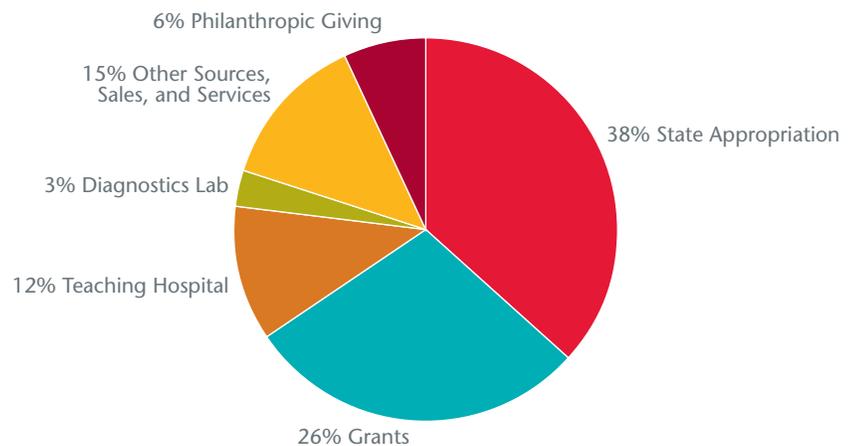
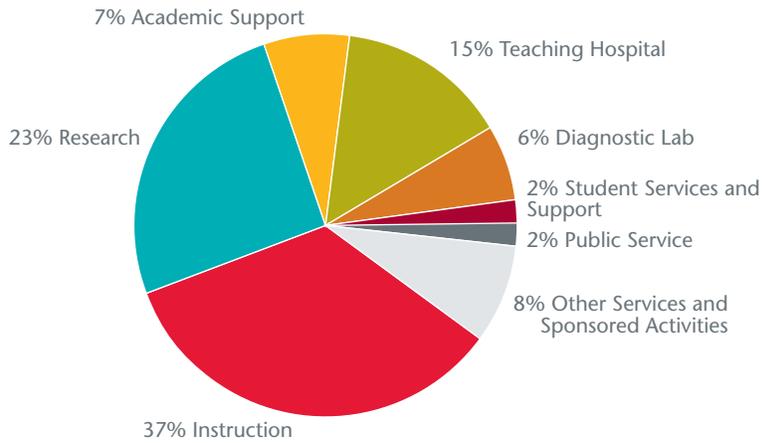
Instruction	\$ 30,437,343
Research	18,789,306
Academic Support	5,649,873
Teaching Hospital	11,955,380
Diagnostic Lab	5,298,676
Student Services and Support	1,993,192
Public Service	1,230,153
Other Services and Sponsored Activities	6,163,353
Total	\$ 81,517,277

*Expenditures include charges against carry-forward balances that are not reflected in current year revenue figures

FY 2014-15 Revenue (college wide)

State Appropriation*	\$ 29,128,171
Grants	19,969,416
Teaching Hospital	9,213,403
Diagnostics Lab	2,618,360
Other Sources, Sales, and Services	11,632,962
Philanthropic Giving	4,259,584
Total	\$ 76,821,895

*State Appropriation includes tuition.



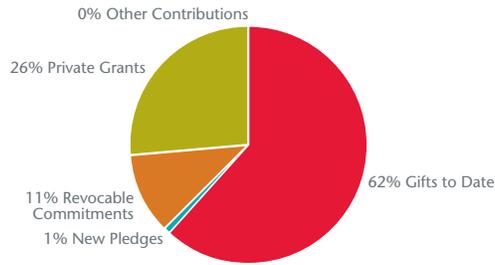
Giving

Forty-two percent of gifts in 2014-15 were immediately available to be used by the college to support programs, teaching, and research. Many gifts also came in the form of pledges or revocable commitments—funds the college cannot use until sometime in the future. For instance, 11 percent of giving last year came as revocable commitments such as a Revocable Living Trust. Trusts such as these can be managed and changed by the donor with the remaining estate funds eventually going to the college.

The 2014-15 fundraising goal was \$7 million. Through generous gifts and private grants, the college received more than \$11.8 million dollars—exceeding our total goal by 68 percent. More than \$3 million of those gifts were in immediately usable funds that could be put to work right away to support our students, patients, and faculty. The college also received close to \$89,000 in new pledges and more than \$1.3 million in revocable commitments.

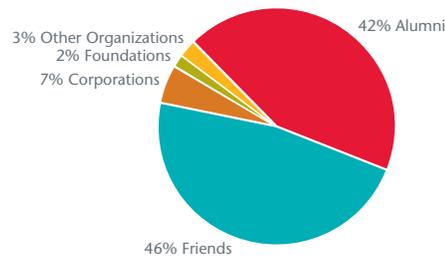
Types of Giving FY 2014-15

Gifts	\$ 7,307,392
New Pledges	88,680
Revocable Commitments	1,310,526
Private Grants	3,106,531
Other Contributions	0
Total	\$ 11,813,129



Donors to the College FY 2014-15

WSU Alumni	\$ 3,170,250*
Friends	3,451,998
Corporations	388,777
Foundations	125,773
Other Organizations	170,594
Total	\$ 7,307,392

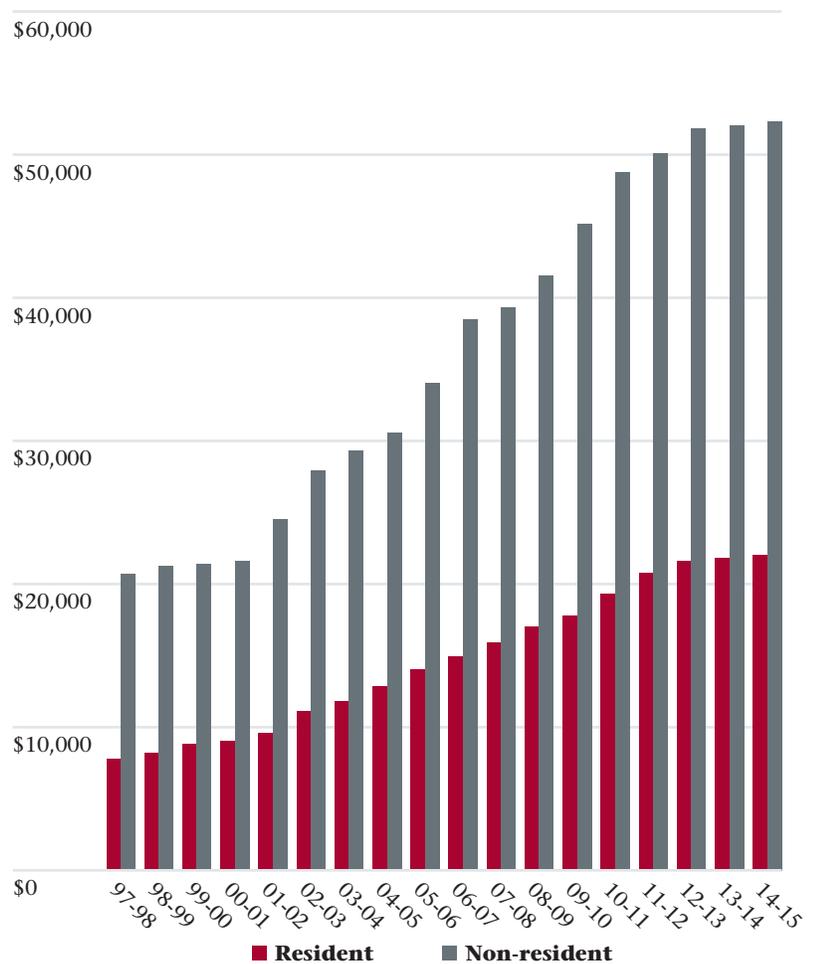


*Total includes a \$1.72 million gift from WSU alumnus Paul G. Allen to support the Paul G. Allen School for Global Animal Health. Amount has been removed from the pie chart.

Tuition

Tuition for residents and non-residents has **nearly tripled** since 1997. In fiscal year 2014-15, resident students paid \$22,374 each year while non-residents paid \$53,428. Student scholarships can help defray some of the costs of education, putting our students in a more competitive position as they start their careers.

Academic Year	Resident	Non-resident
1997-98	\$ 8,390	\$21,302
1998-99	\$ 8,724	\$22,152
1999-00	\$ 8,988	\$22,162
2000-01	\$ 9,254	\$22,938
2001-02	\$ 9,872	\$24,482
2002-03	\$11,056	\$27,420
2003-04	\$11,846	\$29,278
2004-05	\$12,654	\$31,212
2005-06	\$13,776	\$34,004
2006-07	\$15,003	\$37,052
2007-08	\$16,044	\$39,636
2008-09	\$17,156	\$42,400
2009-10	\$18,332	\$45,342
2010-11	\$19,578	\$48,480
2011-12	\$20,914	\$50,878
2012-13	\$22,342	\$53,396
2013-14	\$22,352	\$53,406
2014-15	\$22,374	\$53,428
Percent change from 1997-98 to 2014-15	167%	151%



You Make the Difference

Seventy-four percent of gifts to the college came from friends, corporations, foundations, or other organizations, while 26 percent came from alumni in 2014-15.

New Benefactors in 2013-14

Benefactors of the college have a lifetime giving of \$100,000 to \$999,999.

Silver Laureates

(\$1,000,000 - \$4,999,999)

John D. Hill, DVM
Richard C. and Eleanor Resch Miller
Nestlé Purina PetCare Company

Benefactors

(\$100,000 - \$499,999)

Alfred "Bud" and Gloria H. Northrup
PetSmart Charities™
Bryan and Kathy Slinker



Lynne Haley,
Senior Director of Development

When my career path led me to fundraising over 16 years ago, I knew I couldn't ask anyone to support something I didn't also support myself. I felt it would be disingenuous. And I am lucky to work with others who feel the same way.

Bryan Slinker, the dean of our college for the past seven years, and his wife Kathy are some of those people. A first-generation college graduate, Bryan exemplifies the passion of WSU Cougar alumni. He has earned both his DVM ('80) and his doctorate ('82) degrees at WSU. His wife, Kathy, who holds degrees from Idaho and Cal, is nonetheless a Cougar through and through; she proudly became an Adopted Cougar in October 2015. For more than 20 years, Kathy and Bryan have demonstrated an unwavering commitment to WSU and its students by generously supporting scholarships in the College of Veterinary

Medicine, making the education of tomorrow's scientists and veterinarians more accessible and affordable for future Cougs. In the fall of 2015, Bryan and Kathy were recognized by the WSU Foundation as benefactors to the University, joining a group of other benefactors in 2015 whose generosity we greatly appreciate. A list of laureates and benefactors recognized in 2015 is on page five of this issue.

No matter how large or small the gift, we appreciate each and every one of our donors who have generously supported the good work we do at this college every day. Whether you're a graduate of the college or university, an animal lover, a faculty or staff member, a student, or a believer in our mission of "Healthy Animals, Healthy People, Healthy Planet," (or all of the above) we thank you from the bottom of our hearts.



Kathy Slinker receiving her Adopted Cougar certificate with Bryan Slinker (right) and Tim Pavish, executive director of alumni relations.



Congratulations to our WSVMA award winners! **Dale Moore** (left) received the 2015 WSU Faculty Member of the Year and **Rachel Jensen** receive the 2015 Distinguished Veterinary Staff award at the WSVMA banquet and award ceremony in September.

Your Gifts in Action

A Student's Serendipitous Summer in East Africa

Matt Sammons ('16 DVM) thought he would be working in a lab collecting bacteria samples during his summer research trip to Kisumu, Kenya. Sammons, a Global Animal Health Professional Certificate student in the Paul G. Allen School for Global Animal Health, works with Dr. Douglas Call to learn how bacteria shared between human and animals might be related to malnutrition in children under five years of age.

"Bacteria provide very real benefits to people," said Sammons, who explained that we actually have more bacterial cells in our body than human cells. "So maybe decreasing malnutrition is not just about supplying nutrition, but also about improving bacteria in the gut."

But when he got to Kenya he learned the project's start day had been pushed back. One piece of advice students get who are interested in international work, said Sammons, is that they need to be adaptable, flexible, and prepared for anything. So what at first might have seemed like a missed opportunity turned out to be an even more valuable experience than he expected.

"I couldn't have asked for anything better," said Sammons, who instead of lab work took on an organizational role. He worked with community interviewers and animal health technicians to promote team building and creating a cohesive unit. He also conducted training on how to interview families and to collect samples.

"This was a great opportunity to set the project up for success," said Sammons.

As the only WSU representative over the summer, Sammons worked with project partners at the University of Washington



(right) Matt Sammons ('16 DVM) training community interviewers and animal health technicians in Kenya.

and the Kenya Medical Research Institute, or KEMRI. In the evenings, when it was morning in Washington State, he would talk with partners at UW and then the next morning report back to his team.

"It was my first taste of a real, large-scale, multi-institutional, multi-national funded project," said Sammons, who plans to pursue a career in international health research. "It was a fun challenge."

But Sammons also explains how financial support was key.

"Having that funding is the reason the trip was possible," said Sammons, who receive funds from the Allen School and two scholarships, the College of Veterinary Medicine Research Scholars Program and the Summer Research Fellowship.

The project is now scheduled to begin data collection within the next month or so. Sammons said he hopes to go back to Kenya to work in the lab or have a Kenyan exchange student come work in the lab at WSU. For him, the summer abroad gave him skills that will help him as a student and after he graduates.

"The skills I gained will be so empowering down the road," said Sammons.

Look for Gatherings of WSU Alumni, Friends,
and Students at these Upcoming Events!

Mark your calendars

- March 7** Alumni reception at the Western Veterinary Conference in Las Vegas, Nevada
- April 9** College of Veterinary Medicine Open House in Pullman
- June 25** Peter Zornes Memorial Golf Tournament in Colfax, Washington
- July 13** Alumni reception at the American Veterinary Medical Association in Boston, Massachusetts
- August 8** Alumni reception at American Veterinary Medical Association in San Antonio, Texas

CE courses at WSU and online are offered year round. Visit vetmed.wsu.edu/CE for more information.

For more information about upcoming events visit vetmed.wsu.edu/Events.