



American Association of
Veterinary Laboratory Diagnosticians
E-Newsletter

Also In This

Issue: # 11-2015

News & Events November 2015

[Friends of the
Your He](#)

Greetings From The Office Of The President !

[New Member C
Approv](#)

**To AAVLD
Members:
ber 2015**

Decem

[Gene-edited Pig](#)

[Vet School Boos](#)

[K-State Inte](#)

[LIKE US on F](#)

Quick L

[News](#)

[Related L](#)

[More On](#)

[Join AAVLD](#)

[AAVLD Foun
Donate H](#)

Join Our

[Join Our Mailing List!](#)

Executive B

Each year at our annual meeting, the leadership of AAVLD changes, as past leaders are excused from duty and newly elected officials assume their responsibilities. Consequently, speaking for the collective, I thank Drs. Catherine Barr and John Adaska for their years of service as Executive Officers and welcome Drs. Steve Hoosier and Kristie Pabilonia as Vice-President and Secretary-Treasurer, respectively. In addition, I thank Drs. Jerry Heidel, Estela Cornaglia and Hana Van Campen for their service on the Executive Board and welcome Drs. Kevin Snekvik (Northwest region), Tomy Joseph (Canada provincial) and Ashley Hill (Southwest region) as new members.

With above changes in place, it is my pleasure to welcome both new and returning members to AAVLD. This is a marvelous organization dedicated to improving laboratory-based veterinary medicine through scientific and other advancements. I encourage new (and continuing) members to search out and serve within a committee(s) that matches your interest. There is a committee for everyone and committee service is the real strength of AAVLD that benefits both members and the organization. Don't be bashful - contact a committee chair and indicate your willingness to contribute. Again, speaking collectively, I extend my gratitude to committee leaders and members who selflessly serve.

Tom Baldwin
President

In addition, I encourage members to consider our journal, the Journal of Veterinary Diagnostic Investigation (JVDI), as a source for publication of laboratory-based scientific papers. The journal is of highest quality and submitted articles continue to be reviewed and published in a timely manner. Speaking for the organization, I thank Dr. Grant Maxie and his staff for their excellent oversight of the journal. By submitting materials, AAVLD members ensure the ongoing quality and relevance of JVDI.

Francois Elvir
Immediate Past
President

Pat Halbur,
President - Elect

Steve Hooser
Vice President

Certainly the strength of our organization is a reflection of the strength of its individual members. So again, welcome to AAVLD service. Collectively, let us move this wonderful organization forward.

Kristy Pabilon
Secretary / Treasurer

Best wishes for a successful year,

Sandra Bushnell
Northeast Representative

**Tom Baldwin
President, AAVLD**

Lanny Pace,
Southeast Representative

Jane Christopher
Hennings,
Northcentral Representative

Friends Of The Labs Needs Your Support

NAHLN Funding Not Sufficient

Hemant Naik
Southcentral Representative

There is urgent need for funding to keep our advocacy to Congress robust so that we can get the NAHLN funded properly.

Kevin Snekvick
Northwest Representative

Our ultimate goal is \$30 M and ALL labs (and USDA and NIFA) will benefit if we can make this happen...we will have to continue to do this in steps and will start with a \$15 million authorization in the Farm Bill and build on that.

Ashley Hill,
Southwest Representative

Tomy Joseph
Canada Province Representative

Attached is the [donation form](#). Note it is TAX DEDUCTIBLE

Maria Perrone
Canada Federation
Officio

Thoughts from Craig Carter, AAVLD past president, as he summarizes the need eloquently.

Beverly Schmitt
NVSL Ex-Officio

Why I feel the AAVLD should continue stay fully committed to this effort:

Christine Hoar
AVMA Ex-Officio

- 1. Assuring a healthy, functioning NAHLN is directly within the mission and goals of the AAVLD, "Advocate for the role of veterinary diagnostic laboratories in global health."**

2. If we hadn't acted to restore the line item, there is a chance we would not have a functioning NAHLN today. How would this have impacted the response to the recent HPAI outbreak. I believe that this response will go down in history as one of the best planned and coordinated animal health outbreak responses ever. Look how much we learned in Minnesota, Iowa and beyond. The NAHLN is functionally stronger than ever. Imagine what we will be able to do once it is fully funded.

3. I truly believe that in the wake of this HPAI outbreak, the probability of getting the NAHLN fully funded is greater than it ever has. If we weaken our resolve now, we will risk losing out on that opportunity.

4. Our NAHLN is the envy of the world--the AAVLD needs to do everything in its power to support, grow and sustain it. If the AAVLD doesn't do this, who will?

5. I sincerely believe that our membership is proud that the AAVLD laboratories comprise the NAHLN and want our leadership to do everything possible to assure the strength of this network in anticipation of future outbreaks, some of which could dwarf the HPAI outbreak in scope.

To summarize, I propose and strongly encourage the AAVLD Executive Board to stay the course in this important effort. Let's renew our commitment toward the goal of a fully functional NAHLN for the benefit of animal agriculture and society in general through a healthy, wholesome and affordable food supply. I am confident that we can find the resources to get this done if we all put our heads together.

Thanks for listening and thanks for everything y'all do for the AAVLD, animal agriculture, public health and beyond--I am so proud to be a part of this association.

Respectfully submitted,

Craig

CRAIG N. CARTER, DVM PhD DACVPM DSNAP

Director and Professor,

Veterinary Diagnostic Laboratory

I would only add that from starting at NIFA NAHLN funds being zeroed out and Congress not knowing who we are... to our current level of funding at around \$10 to \$12 M (NIFA AND USDA) and authorization for \$15 M in the Farm bill, our progress has been substantial, thanks to the efforts of Brad Mollet and Capital Counsel and all of you who have been on the Hill and/or written letters.

PLEASE DONATE !

Barb Powers

AAVLD Government Relations Committee

AAVLD House of Delegate Approves New Member Categories

Following recommendations from the AAVLD Membership Committee, the AAVLD Executive Board and the House of Delegates approved two new categories of membership.

Institutional / Agency membership is designed for state and national institutions or organizations such as colleges, departments or laboratories, and government agencies to get people who have not been individual members involved in AAVLD and experience the benefits AAVLD provides to the profession and stakeholders served.

Fees are based on lab size.

- Labs with less than 50 faculty and staff: \$500
- Labs with 50-100 faculty and staff: \$1000
- Labs with greater than 100 faculty and staff: \$1500

Restrictions applying to this membership category are:

- - Those enrolled in this membership category cannot have been an individual AAVLD member for the last 2 years.
 - The maximum time diagnosticians/faculty can be enrolled through this membership category is 2 years.
 - Those individuals and institutions or organizations or agencies represented do not have voting rights in AAVLD
 - Do not have the right to hold office, chair a committee or serve in the House of Delegates

Benefits of this membership category are:

- Electronic access to JVDI
- Reduced registration fees to attend the annual meeting
- Access to newsletter and listserv
- Electronic access to membership directory

- Access to recorded webinars
- Access to "best practice videos of laboratory techniques"
- Representation in national and international animal health policy development

Affiliated or Industry Membership is designed for affiliated industries, as well as private and commercial laboratories (i.e. IDEXX, VMRD, Phoenix).

- Fee: \$2500 for up to 10 individuals

Restrictions applying to this membership category are:

- - Those individuals and institutions or organizations or agencies represented do not have voting rights in AAVLD
 - Do not have the right to hold office, chair a committee or serve in the House of Delegates

Benefits of this membership category are:

- - Listed as Affiliated or Allied Members in JVDI and AAVLD website
 - Electronic access to JVDI
 - Reduced registration fees to attend the annual meeting
 - Access to newsletter and listserv
 - Electronic access to membership directory
 - Access to recorded webinars
 - Access to "best practice videos of laboratory techniques"
 - Representation in national and international animal health policy development

A link to the new member forms containing these new membership options can be found below:

[Primary Organization Form](#)

[Individual Information Form](#)

Please fill out the primary form and then fill out an individual information form for each participant.

Gene-edited Pigs Protected From PRRS

By University of Missouri
Bovine Veterinarian

December 8, 2015

Porcine Reproductive and Respiratory Syndrome (PRRS) virus was first detected in the U.S. in 1987. Pigs that contract the disease have extreme difficulty reproducing, don't gain weight and have a high mortality rate. To date, no vaccine has been effective, and the disease costs North American farmers more than \$660 million annually. Now, a team of researchers from the University of Missouri, Kansas State University, and Genus plc have bred pigs that are not harmed by the disease.

"Once inside the pigs, PRRS needs some help to spread; it gets that help from a protein called CD163," said Randall Prather, distinguished professor of animal sciences in the College of Agriculture, Food and Natural Resources. "We were able to breed a litter of pigs that do not produce this protein, and as a result, the virus doesn't spread. When we exposed the pigs to PRRS, they did not get sick and continued to gain weight normally."

For years, scientists have been trying to determine how the virus infected pigs and how to stop it. Previously, researchers believed that the virus entered pigs by being inhaled into the lungs, where it attached to a protein known as sialoadhesin on the surface of white blood cells in the lungs. However, two years ago Prather's group showed that elimination of sialoadhesin had no effect on susceptibility to PRRS. A second protein, called CD163, was thought to "uncoat" the virus and allow it to infect the pigs. In their current study, Prather's team worked to stop the pigs from producing CD163.

"We edited the gene that makes the CD163 protein so the pigs could no longer produce it," said Kristin Whitworth, co-author on the study and a research scientist in MU's Division of Animal Sciences. "We then infected these pigs and control pigs; the pigs without CD163 never got sick. This discovery could have enormous implications for pig producers and the food industry throughout the world."

While the pigs that didn't produce CD163 didn't get sick, scientists also observed no other changes in their development compared to pigs that produce the protein.

The early-stage results of this research are promising. The University of Missouri has signed an exclusive global licensing deal for potential future commercialization of virus resistant pigs with the Genus, plc. If the development stage is successful, the commercial partner will seek any necessary approvals and registration from governments before a wider market release.

Full text:

<http://www.bovinevetonline.com/news/animal-health/gene-edited-pigs-protected-prrs>

Purdue Vet School Boosts Indiana Economy

Purdue Touts Vet School Impact

By Andy Ober, Assistant Managing Editor

Inside Indiana Business

December 4, 2015

WEST LAFAYETTE - Purdue University says its College of Veterinary Medicine and its alumni generate hundreds of millions of dollars in economic impact for Indiana. A study from Purdue Extension's Community Development Program estimates the school had an economic output of more than \$470 million in 2014, and supported more than 1,700 jobs.

The study suggests more than 60 percent of Indiana's veterinarians and 30 percent of the state's registered veterinary technicians are Purdue alumni. Indiana has a large animal health market. The school says more than half of the state's households own a pet. In addition, Indiana has more than 22,400 farms producing poultry, livestock and related products.

According to the report, the college itself generated \$220.2 million in economic output in Indiana in 2014, with alumni generating \$256.7 million. The school says the jobs supported by the college pay approximately \$52,400 per worker. The study suggests the college and its alumni produced an estimated \$28.6 million in state and local government tax revenues.

Source: <http://www.insideindianabusiness.com/story/30669892/purdue-touts-vet-school-impact>

Kansas VDL Internship Announcement

KSVDL: Diagnostic Medicine Internship

The Kansas State Veterinary Diagnostic Laboratory (KSVDL) Diagnostic Medicine Internships are one-year positions for individuals who have a

Doctorate of Veterinary Medicine, an interest in Diagnostic Medicine/Sciences, and some emphasis in Clinical Pathology.

Some KSVDL internship highlights

- **Extensive training in Clinical Pathology methods and interpretations**
- **Scheduled rotations through other KVDL laboratories for familiarization with testing procedures and training in test-result interpretations**

Specialty laboratory rotations include:

- **Anatomic Pathology**
- **Clinical Microbiology**
- **Gene Sequencing**
- **Histopathology**
- **Molecular Diagnostics**
- **Rabies**
- **Serology**
- **Virology**
- **Opportunity to participate in the KSU College of Veterinary Medicine and KSVDL clinical rounds**
- **Provides preparation for Diagnostic Residency Programs**

For more information please contact Dr. Gregg Hanzlicek at gahanz@vet.k-state.edu or 785-532-4853.

LIKE US on Facebook

Follow us on Facebook for more on AAVLD and members in the news

Visit www.facebook.com/AAVLD and like us.

We value your opinion and contributions. If you have any comments, questions or suggestions for articles, please do not hesitate to contact us.

Sincerely,

Jim Kistler
Executive Director
American Association of Veterinary Laboratory Diagnosticians



This email was sent to rozuna@aavld.org by jkistler@aavld.org | [Update Profile/Email Address](#) | Rapid removal with [SafeUnsubscribe™](#) | [About our service provider.](#)



American Association of Veterinary Laboratory Diagnosticians | 8220 Pompano St. | Navarre | FL | 32566