AALAS Appalachian Branch Winter Meeting
University of Tennessee in Knoxville
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President’s Message

My latest favorite music video is “Happier” by Marshmello and featuring Bastille. I guess it is no surprise that I like the video because it portrays the importance that our furry friends play in our lives, including how much they enrich us all. I think many of us have entered our field to help animals, become stewards for them while allowing for medical advances.

I entered veterinary medicine to help animals. I feel that I got lucky enough to work in laboratory animal medicine to allow me to help both animals and people.

As the time for New Year resolutions approaches, it makes me reflect upon my past as well as what I want to achieve in the future. As a branch we have an excellent year. Our inaugural meeting at Lincoln Memorial University was such a great success (Thank you LMU folks!!). If you can remember way back to January of 2018, we celebrated the technicians as the ROCK STARS of SCIENCE. I think it is the time that we need to all reflect on our success of the past year, as well as prepare for the resolutions of the new year. But for me, I want everyone to go back and remember how lucky we are to work with the animals, and work toward the advancement of medicine and science. I wish everyone much happiness in the Holiday Season and many successes in the New Year. I hope to see many of you at the January branch meeting hosted by the University of Tennessee Knoxville. It looks to be like a fun meeting.

Sincerely,

Ken Salleng, AppAALAS President

Calendar of Events

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INTROCUDING

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AALAS Appalachian Branch Winter Meeting

Friday, January 25, 2019
University of Tennessee-Knoxville
Johnson Animal Research and Teaching Unit
1652 Alcoa Hwy, Knoxville TN

AGENDA

10:00-11:00 Registration/Check-In

10:30-11:30 Board of Directors Meeting: JARTU Conference Room

11:45-12:30 LUNCH and Welcome: JARTU Conference Room

12:30-1:20 “Socialization and Animal Care at a Laboratory Canine Breeding Facility”
Michelle Salerno
Marshall Biosciences

1:20-2:10 “Rett Syndrome – Understanding Mechanisms of Brain Plasticity”
Keerthi Krishnan, PhD
University of Tennessee, Biochemistry and Cellular and Molecular Biology

2:10 – 2:45 “Fear Free Interactions With Dogs and Cats”
Nelle Wyatt, LVMT
University of Tennessee, College of Veterinary Medicine

2:45-3:00 Break

3:00-3:15 Toys, Puzzle Feeders, and Socialization, How Fun!
Tai Oatess, DVM
Senior Resident, Vanderbilt University Medical Center

3:15-3:30 Discussing Levels of Enrichment and Their Application in the Laboratory Animal Facility
Jerri O’Rourke, LVMT
University of Tennessee, Compliance Coordinator

3:30-3:45 Positive Human Interaction: An Essential Component to Your Primate Program
Kelsey Finnie, DVM
Junior Resident, Vanderbilt University Medical Center

3:45 pm Conclusion
AALAS Appalachian Branch Winter Meeting

Winter Meeting
University of Tennessee, Knoxville
Friday, January 25, 2019
10:00 am-3:45 pm EST

Pre-Registration

______ I will have Salsarita’s taco bar (free for Branch members).
______ I will have Salsarita’s grilled fajita vegetables (free for Branch members)
______ I will be attending the lectures only.

Name__________________________________________
Institution______________________________________
Phone__________________________________________
E-mail__________________________________________

Please scan, fax or e-mail your pre-registration no later than January 21st to:

Ben Edenfield
benaeden@utk.edu

865-974-5634 (o)
865-974-5649 (f)
1. Head east on I-40 E
2. Use the right 2 lanes to take exit 386B for US-129/Alcoa Hwy toward Airport/Smoky Mts
3. Continue onto US-129 S/Alcoa Hwy
4. Turn right onto Cherokee Farm Way
5. Turn right
6. Turn left
7. Turn left
8. Destination will be on the left
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In the News

‘Patients will lose’ if airlines refuse to transport lab animals

By: Melissa Fassbender; Published: December 6, 2018

A lobby group has filed a complaint alleging illegal discrimination by airlines refusing to transport lab animals—a battle that will be difficult to win, says an industry expert.

Hair May Be Restored on Scarred Skin

By: HealthDay News; Published: December 10, 2018

In a feat that might help pave the way to restoring hair on patients with skin wounds from burns, injuries or surgery, scientists report regrowing hair on damaged skin in mice.

This patch could help heart patients heal

By: Shoshana Wodinsky; Published: December 6, 2018

The experimental patch—actually a plastic film filled with living heart cells and studded with microscopic needles—is surgically implanted directly onto the heart. Once in place, it delivers proteins and other health-promoting compounds released by the so-called cardiac stromal cells directly to the damaged muscle.
Facility News

We have been continuing to become busier and busier here at ETSU, with our mouse census still creeping upward. We are now beginning to look at ways to increase our mouse housing capacity as we move forward, so are weighing options. There has also been an increased interest in the use of immunocompromised mouse models here at ETSU, so we have ordered supplies to set up a small housing room and procedure area for these investigators. We are excited to get this going in early 2019.

All of us here in DLAR would like to wish everyone a very Merry Christmas and a Happy New Year!

Hello from Vanderbilt Medical center. The Division of Animal care has been busy preparing for our semiannual inspection. IACUC will be in charge and everyone is working hard to meet all expectations! New installation of an Autoclave is in preparation and we hope to begin this February at the Preston Research building. The MCN1 elevator has been up and running for a few months now. And also on the operations front, we have changed our rodent bedding from cob to the alfa dry Plus. We hope to have happier rodents and researchers!

We have new team members to welcome aboard. We hope to see everyone in January for our Winter meeting!!!
Facility News

Meharry Medical College

No update.

University of Tennessee

No update.

Lincoln Memorial University

No update.
Can’t find the mouse model you need?

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Ella Torian
Opportunity Development Manager
1-207-266-8685
ella.torian@jax.org
Poliovirus Vaccine a Potential Game Changer for Cancer Treatment

By: Elizabeth Doughman; Published: July 5, 2018

A genetically modified poliovirus therapy significantly improved the long-term survival rate of patients with glioblastoma in a phase 1 clinical trial. The vaccine shows promise for treating other forms of cancer as well.

Innovative research that saves lives

By: Matthew R. Bailey; Published: June 6, 2018

Scientists just discovered a drug that could save millions of dogs — and humans — from cancer. Veterinarians at Tufts University administered the experimental treatment to Dover, a 7-year old bull mastiff suffering from lymphoma. The cancer had caused him to go blind, and his days were numbered. In desperation, Dover’s owner enrolled him in a clinical trial testing the early-stage therapy.

Anti-Opioid Vaccine Shows Promise in Mice

By: Robert Preidt; Published: December 13, 2018

A vaccine that might help combat the opioid epidemic has performed well in early animal testing, researchers report.

The vaccine contains antibodies that are effective against several synthetic opioids, including fentanyl and the even deadlier carfentanil.
Puzzle Zone

What method uses radioactive imaging agents to visualize biologic processes in vivo? ______

What is a common term for bacterial septicemia in frogs? ______

Which tumor is one of the most commonly diagnosed tumors in ferrets? ______

What condition may be indicated when pale skin or mucous membranes are observed? ______

To what part of the body is a topical drug applied? ______

*Flavobacterium columnare* causes which health condition? ______

What is the most common sign of the B virus infection in macaques? ______

What is the term for difficult labor or birthing? ______

Which metabolic disease is heredity in hamsters? ______

Redness and irritation of the tissues surrounding the eye is called what? ______

What instrument is used to perform a urine specific gravity test? ______

What type of injection is used for tuberculin skin test on nonhuman primates? ______

What type of radiation is used to sterilize animal feed? ______

The Animal Welfare Act is administered by what agency? ______

What regulations apply to nonclinical studies conducted to collect data for submission to the Food and Drug Administration? ______

What committee oversees the institution’s animal research programs? ______

The nude mouse has a deficiency in which body part? ______

What is the common name for a gastric trichobezoar? ______

What is another name for pododermatitis? ______

What type of bacteria need no oxygen to survive? ______

A. Fin rot  
B. Hairball  
C. Insulinoma  
D. Refractometer  
E. Skin or mucous membranes  
F. Immune system  
G. Positron emission tomography  
H. IACUC  
I. Diabetes mellitus  
J. Red leg  
K. Oral ulcers  
L. Gamma rays  
M. Anemia  
N. Conjunctivitis  
O. Good Laboratory Practices  
P. Dystocia  
Q. Anaerobic  
R. Intradermal  
S. Bumblefoot  
T. USDA Animal & Plant Health Inspection Services
Passing an AALAS certification exam at any level entitles you to one free year of membership in the Appalachian Branch of AALAS. Attach a copy of your certificate to your membership application and send no monies.

The technician certification designations of ALAT, LAT, and LATG are widely known throughout the varied fields of laboratory animal care. They are universally becoming a requirement for a lab animal care position.

For complete program information, download the Technician Certification Handbook 📝. The handbook contains everything you need to know about application and testing procedures, qualification criteria, exam fees, and many other topics, and should be retained for use as a reference during the application process.

Two Thumbs Up

Congratulations!

Do you have someone who has achieved a goal, won an award, or deserves recognition? We want our members to hear about it!

None Reported
Aubrey Routledge
None Reported

Appalachian Branch American Association for Laboratory Animal Science www.appaalas.org
Hello everyone!
Winter is in full swing and some have even seen snow this year! I hope everyone had a safe and wonderful holiday season! I wish everyone a Great New Year!!!

Please make plans to attend the Branch Winter meeting on January 25, 2019 at the University of Tennessee, Knoxville. We are looking forward to learning more about enrichment!!

On the local branch level, I would like to reach out to members of the different institutions of the Appalachian Branch. I would love some participation from you for our participation section. Let me introduce you in our next newsletter! Remember that we welcome your input for the Colleague corner. Do you know a coworker you would like to recognize? Or maybe you would like to introduce yourself to the Branch? Let us do a feature spotlight and say hello! Just email me a name and email address and I will do the rest!

How about sharing some interesting tech tips? We are all looking for ways to work smarter!!! Why not share with us?! Need info about AALAS certification? ....Submitting a nomination for an award? ....Want help with a talk topic or submission? ....Need help navigating the Learning Library? Let me assist you with answers to these questions and more. I am your Branch representative and I am here to help you anyway I can. My email address is below and I am just a click away!

Don't forget if you plan to shop online, please consider Amazon.com They will donate a portion of your purchase to the AALAS Foundation! Let's go shopping!!! [https://smile.amazon.com](https://smile.amazon.com).

Want to help your community learn more about Animal Laboratory Science? Conduct an outreach event in your community! AALAS can help! And remember - we have FREE handout materials to help make your outreach events a success - posters, brochures, fun origami mice and frogs! Help us "Celebrate the Mouse" and other animals for their contributions in biomedical research! Conduct an outreach event in your local community! We have a free "Celebrate the Mouse" Power Point presentation available to help you inform the public about how mice have helped make strides in heart disease, diabetes, and Alzheimer’s and breast cancer research! Email foundation@aalas.org for questions/details.

Remember that the Appalachian branch offers several awards for our branch members. Start thinking about who you could nominate for the Branch Travel Award. Deadline is in May and will be here before you know it. Would you like a trip to the National convention next year? The travel award can help you do that! Please check out the awards section on our website. You can nominate yourself or a coworker. Start thinking about it now!!!

What’s happening on the national level?
The December issue of LASPro magazine is now available! Check it out! AALAS is gathering articles, pictures and info for the Next issue now. Do you want to contribute? Be a part of it!!! [Email Laspro@aalas.org](mailto:Laspro@aalas.org)

Learning library has certification kits! Are you studying for certification? It's more than just studying the training manual! Check out the Resource Kit or Total Pack for additional references that you may need! [https://www.aalas.org/store](https://www.aalas.org/store) Shop under the certification materials option. Check out this direct link to all the AALAS certification books and packages! [https://www.aalas.org/store/detail?productId=7200517](https://www.aalas.org/store/detail?productId=7200517)

REMEMBER the AALAS Bookstore is closed from Dec 16, 2018 until January 2, 2019. The new ALAT training guides, workbook and DVDs have arrived and are available in the store. The new Changes on the exam will not take place until spring 2019.

The upcoming webinar, [Mouse Anesthesia: Using Science to Improve the Process](https://www.aalas.org/store), will be on January 23, 2019 from 12:00 to 1:30 pm CT.
This webinar will focus on the:
- Challenges of safely and effectively anesthetizing mice
- Science and data behind some of these challenges
- Improvement of anesthesia protocols, monitoring, and interventions

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The Appalachian Branch of AALAS is a not-for-profit educational 501(c)3 association, chartered under the laws of the State of Tennessee. The Appalachian Branch is affiliated with the American Association for Laboratory Animal Science (AALAS™) and is one of five Branches in AALAS District IV. We are dedicated to the advancement of laboratory animal science primarily through education, training, and information exchange. The ultimate goal being the improvement of both human and animal health. In concert with this aim is the enhancement and development of the careers of our technicians, and recognizing their achievement via our awards program.

The Appalachian Branch of AALAS has several individual, institutional, and commercial members nationwide. We are geographically located in middle and east Tennessee, covering Nashville to Knoxville, and the Tri-Cities.

Membership is not regionally restricted and anyone professionally involved with the production, care, and study of laboratory animals is welcome to join.

You’ll find both the individual membership and the corporate membership applications in this newsletter or on our web pages. Come and join us, you’ll be glad you did!
Appalachian Branch
American Association for Laboratory Animal Science
COMMERCIAL MEMBERSHIP APPLICATION

Commercial Membership: For two representatives including business cards for each in the quarterly newsletter, webpage links to your company and email links to your representatives. Please email digital business cards to the Newsletter Editor or enclose original business cards with this application. ______ $75.00

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DEADLINE for listing in the annual directory is February 28. Please return a copy of this application and a check payable to The Appalachian Branch of AALAS to:

Dana Gray
P.O. Box 1877
Mt. Juliet, TN 37121

If you pay via PayPal, you may email a copy of this application to Dana.Gray.AppBranch@gmail.com.
69th AALAS National Meeting
Baltimore, Maryland
Puzzle Zone

1. What method uses radioactive imaging agents to visualize biologic processes in vivo? __G__
2. What is a common term for bacterial septicemia in frogs? __J__
3. Which tumor is one of the most commonly diagnosed tumors in ferrets? __C__
4. What condition may be indicated when pale skin or mucous membranes are observed? __M__
5. To what part of the body is a topical drug applied? __E__
6. *Flavobacterium columnare* causes which health condition? __A__
7. What is the most common sign of the B virus infection in macaques? __K__
8. What is the term for difficult labor or birthing? __P__
9. Which metabolic disease is heredity in hamsters? __I__
10. Redness and irritation of the tissues surrounding the eye is called what? __N__
11. What instrument is used to perform a urine specific gravity test? __D__
12. What type of injection is used for tuberculin skin test on nonhuman primates? __R__
13. What type of radiation is used to sterilize animal feed? __L__
14. The Animal Welfare Act is administered by what agency? __T__
15. What regulations apply to nonclinical studies conducted to collect data for submission to the Food and Drug Administration? __O__
16. What committee oversees the institution’s animal research programs? __H__
17. The nude mouse has a deficiency in which body part? __F__
18. What is the common name for a gastric trichobezoar? __B__
19. What is another name for pododermatitis? __S__
20. What type of bacteria need no oxygen to survive? __Q__
The next webinar, Mice, Mice, Baby: Normal Behavior in the Laboratory Mouse, will be on February 27, 2019 from 12:00 to 1:30 pm CT.

This webinar will introduce the:

- Range and adaptability of normal behavior in wild mice
- Central role of behavior in adapting to harsh environments
- Impact of modern mouse husbandry on behavior
- Assessment of mouse housing and enrichment from the mouse’s point of view

REMINDER! The deadline to enter the 2018 “Celebrate the Mouse Biomedical Research Video Essay” contest is January 31, 2019!

This is a great opportunity for students in grades 5 through 12 to earn cash awards by creatively producing a five minute (or less) video essay to show how mice in research have helped the lives of people and/or animals. There’s no purchase necessary to enter the contest! See the link below for more details (including a list of helpful resources!) and... to view one of last year’s winning videos.

Help us spread the word!
https://www.aalasfoundation.org/.../Celebrate-the-Mouse-Video...

We’re excited to announce the release of our new public outreach tool – “Animal Flash Facts Game”! This interactive, educational game is designed to help students in grades 5 through 12 learn how animals have helped scientists achieve medical discoveries that help both people and animals!

Click the link below to read more about the game and how it may be purchased on the AALAS online bookstore – or, downloaded in PDF format for free!
https://www.aalasfoundation.org/outreach/resources/brochures

Thank you for taking the time to read the latest AALAS happenings! Please email me with any questions, tips. Ideas or questions! I am here to help You!

Donna LeMay
Contact me at
Donna.M.Lemay@VUMC.org

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2018 AALAS Awards
Nominees and nominators for all awards must be current national members of AALAS as of January 1 of the nominating year.

- Download the appropriate nomination form
- Fill out the requested information and save the word document to your computer
- Email the completed form as an attachment to awards@aalas.org

Nomination forms must be submitted to the AALAS office by email by April 3, 2018.
A clear and simple caging solution.

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