TROPICANA CASINO AND RESORT
ATLANTIC CITY, NEW JERSEY

June 11-12, 2018

Roll with the Tides

tribranch 2018

http://www.tribranch.org/
Welcome to the TriBranch Symposium 2018
Roll with the Tides: Adapting to Change

On behalf of the 2018 TriBranch Symposium Committee, we welcome you to this year’s conference, “Roll with the Tides: Adapting to Change”.

As you by now have figured out - we have changed the format for this year’s meeting slightly. Workshops and Presentations will be held Monday and Tuesday. There will be two social events, one Monday evening sponsored by our Exhibitors, during which the exhibit hall will be open, and another one Tuesday evening highlighting the Poster awards, ScanVenger Hunt winners and Silent Auction. Then we will end the meeting offering AALAS certification exams on Wednesday.

We want to welcome our AALAS Executive Director, Ann Turner, and AALAS President, Jennifer Smith - look for their presentations on Monday from 2-3 PM. Please also join us for the Keynote presentation by Greg Vicino from the San Diego Zoo on Monday at 3 PM.

You will find information throughout the Program Booklet regarding the AREA program, Silent Auction, Exhibitors and Presentations. We are really excited about our new interactive ScanVenger Hunt, which will engage attendees in a fun game answering questions found throughout the exhibit hall, on many of the posters and in other Symposium areas. So make sure to check out how to download the app on your phone! Please also take the time to view the many Silent Auction donations found throughout the exhibit hall, and bid often to support PSBR, NJABR, and Homes for Animal Heroes!

The Commercial Exhibitors Area will once again be filled with the latest and greatest from national and international companies, and we hope you will find a product or service that may be of benefit to your facility.

As the TriBranch 2018 Co-Chairs, we would like to thank all of the committee members who have volunteered countless hours of their free time to help put on this year’s meeting, as well as the Platform and Poster presenters, Exhibitors, Facilitators, Volunteers, and all of the Attendees. It takes a large number of people to carry out a successful TriBranch Symposium. Thank you!

Amber Lange & Tracy Roskoph - 2018 Tribranch Symposium Chairs

Table of Contents

Welcome 2
At-A-Glance 3
ScanVenger Hunt 4
Monday Sessions 7
Monday Speakers 8
Keynote Speaker 8
Posters 10
AREA 11
Exhibit Hall 14
Trop Meeing Rooms 15
ScanVenger Hunt 16
Exhibitors 17-21
Participants 22-24
Activities at the Trop 25
TBS 18 Committee 26
Matrix Schedule 27-28

Cell phones on MUTE during sessions and presentations PLEASE!

http://www.tribranch.org/
## Monday, June 11th

- **John Githens Memorial Golf**
  Off site 9:00 am tee time
- **Exhibit Set-Up**
  South Tower Hall 1
  12:00 pm - 4:00 pm
- **Registration**
  South Tower Hall 2
  10:00 am – 4:00 pm
- **Posters**
  South Tower Hall 3
  Set-up: 10:00 am – 12:00 pm
  Open: 12:00 4m – 4:00 pm
- **Monday Sessions**
  - Due Diligence - Auditing
    Carousel Room
    10:00 am – 12:00 pm
  - Enrichment Roundtable
    Pageant Room
    10:00 am - 11:30 am
  - AALAS Exam Review
    Seaside Room
    10:00 am - 12:00 pm
- **Sessions Track 1**
  - Carousel Room
    12:00 pm - 1:20 pm
- **Sessions Track 2**
  - Pageant Room
    12:00 pm - 1:20 pm
- **ScanVenger Hunt**
  12:00 pm - 7:00 pm
- **Complimentary Beverage Service** - South Tower Hall 3
  1:20 pm - 2:00 pm
- **AALAS Presentations and KeyNote Speaker**
  Ballroom Salon 3
  2:00 pm - 4:00 pm
- **ATA Meeting**
  Pageant Room
  3:00 pm - 4:00 pm
- **Exhibitor Sponsored Reception**
  South Tower Hall 1
  4:00 pm - 7:00 pm

## Tuesday, June 12th

- **Exhibit Hall**
  South Tower Hall 1
  8:30 am - 12:00 pm
- **ScanVenger Hunt**
  South Tower Hall 3
  8:30 am – 12:00 pm
- **Area Program**
  Meeting Room
  10:00 am - 3:00 pm
  Exhibit Hall
  1:45 pm - 2:30 pm
- **Sessions Track 1 and 2**
  9:00 am-10:00 am
  10:30 am-12:00 pm
  1:00 pm-2:00 pm
  2:30 pm-4:00 pm
- **Complimentary Beverage Service**
  South Tower Hall 1
  10:00 am - 10:30 am
  2:00 pm - 2:30 pm

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### The Three Branches of the Symposium

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<td>President – Michael Savidge</td>
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<td>Secretary – Tracy Roskoph</td>
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<td>Treasurer – Matt Wheaton</td>
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<td>2019 TBS Co-Chairs Melissa Hostrander</td>
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<td>President- Jennifer Martinez</td>
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<td>President Elect- Vivian Carbonell</td>
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<td>Past President-Kehinde Adekola</td>
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<td>Secretary- Chineta Pullin</td>
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<td>Treasurer- Theresa Faughnan</td>
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ScanVenger Event

You can win PRIZES in the SCANvenger Hunt by visiting and answering a predetermined question from the exhibitors, posters, and interactive game and leader board.

You can win PRIZES in the SCANvenger hunt.

1. $50 Starbucks gift
2. Amazon Echo
3. $100 Amazon gift card
4. $100 Omaha Steak gift card
5. Google home
6. $100 Sur La Table gift card
7. Case of wine
8. Beats by Dre headphones
9. Apple Watch
10. Ipad

GET IN THE GAME and ROLL WITH THE TIDES

During this year’s TriBranch Symposium, you’ll have an opportunity to win prizes while playing SCANTrivia!

Follow the instructions below to activate your device and receive your first 50 points.

GET THE APP

1. Download the SCANTrivia QR code reader from your app store by going to this URL on your device.

EARN POINTS

2. Open the QR reader, scan this code and enter your email address to earn 50 points.

3. Scan the codes at exhibitor booths to access their SCANTrivia question and earn points.

50 POINTS

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Monday Roundtable, Workshop, and Review Session

Please join us for the following Monday Morning Sessions:

1. **Enrichment “Roundtable” – (10:00-11:30 AM) - Pageant Room**

   This will be a casual and open discussion on various enrichment topics - including but not limited to:
   - Aquatic environmental enrichment
   - Social housing of instrumented species
   - Post op enrichment for rodents
   - Enrichment for exotic species
   - Novel ideas for enrichment

   The session will also be a venue for sharing success stories as well as failures.

   Facilitators: Mikele Simkins, Crystal Johnson
   
   *This session is open to all attendees and is relevant to everyone who works in a vivarium!*

2. **Due Diligence Auditing Workshop – (10:00 – 12:00 noon) - Carousel Room**

   Due Diligence Auditing is a critical process in ensuring animal welfare at institutions conducting 3rd party studies, as well as the quality of animal models and materials supplied by vendors servicing the Laboratory Animal Community. This 2 hour session, which will be a forum for sharing of best practices and approaches for audit/compliance programs, covers key aspects of conducting due diligence audits at such facilities. This session is geared towards Laboratory Animal Industry staff at all levels who may participate in the auditing process.

   Topics include:
   - Pre-Audit Preparation
   - Audit Conduct & Follow-up
   - Auditing Scenarios - What Would You Do?

   This highly interactive session will provide mock scenarios and walk the audience through an audit. Be ready to participate!

   Facilitators: Gina Wilkerson, CeCe Brotchie-Fine, Shameen Afif-Rider, Amber Lange

3. **AALAS Certification Exam Review – (10:00 – 12:00 noon) - Seaside Room**

   There will be an AALAS Certification Review for the Assistant Laboratory Animal Technician and the Laboratory Animal Technician exams on Monday from 10 am - 12 pm.
   
   This session is open to anyone studying for the AALAS certification examinations and those individuals interested in a refresher on the ALAT and LAT information.

   Facilitator: Louisa Cassone

   *Phones on “mute” please in sessions*
Featured Speakers from National AALAS
2:00 - 3:00 pm Monday

Ann Tourigny Turner, PhD, FASAE, CAE, Executive Director AALAS and the AALAS Foundation will present “Ready for More”

Jennifer C. Smith, DVM, DACLAM, Director, Bioresources Department at Henry Ford Health System and 2018 AALAS President, will present "Motivational Management in the Laboratory Animal Industry," on Monday afternoon, 2:30 pm - 3:00 pm; “Canine Enrichment and Care” 11:20 - 11:50 am Tuesday, and “General Anesthesia/Analgesia in the Lab Animal Industry Trends, Best Practices from Human Medicine” Tuesday 3:00 - 3:30 pm.

3:00 - 4:00 pm Monday

Keynote Speaker - Greg Vicino

Associate Curator of Animal Welfare and Elephants
San Diego Zoo Global

From Prevention of Cruelty to Optimizing Welfare
Opportunities to Thrive

Historically, animal welfare was evaluated in terms of negative states (e.g., hunger or thirst) as evidenced by the five freedoms. As the field continues to expand in both technique (e.g., technological advances, multimodal assessment tools, etc.) and understanding, many of the traditional frameworks no longer provide the detail and direction to take full advantage of our shared knowledge. As we shift our methods to examine positive states of welfare (e.g., behavioral diversity) in addition to negative measures we also find that our focus must be detailed enough to account for the interplay between the two. If we are to consider an animal’s welfare on a continuum from poor to thriving, we are pressed to develop a lens with which we can assess opportunities for animals (inputs) and evaluate the subsequent impacts (outcomes). The concept of assessing welfare framed by providing animals with ‘opportunities to thrive’ allows us to adapt to the changing needs of animals within a specific context.

2018 TriBranch Symposium Updates

The most up-to-date information can be found on the web site!!!!

www.tribranch.org

Check it out on your mobile device while at the meeting or any time
Posters

**Chairs: Jennifer Suto and Colin Sabine**

1. Utilizing Lean Management to Organize PPE Stations; Devlin, Penny L, MLAS; Penn State College of Medicine, Hershey, PA

2. Monitoring Behaviors to Determine Which Female Rabbits are Most Compatible; Brum, Juliana* BS, Reyes, Gerson BS, Callahan, Jennifer BS, LAT; Envigo, East Millstone, NJ

3. Environmental Testing of Vendor Animal Transportation Vehicles to Determine Biosecurity Risk Factors; McLahan, Craig, VMD; Johnson and Johnson, Spring House, PA

4. Performance of Various Bedding Types in a Novel IVC Design; Kramer, Liz* BSE; Hughes, LaTesa, DVM, MS; Lenderking Caging Products, Millersville, MD

5. Communication: The Most Important Piece of Safety Equipment; Taylor, Joshua, BS, LAT; Janssen Research & Development, LLC, Spring House, PA

6. Increasing Workplace Efficiency Using the 5S Methodology; Jones, Tom* BS; Kopp, William, BS; Envigo, East Millstone, NJ

7. The Importance of Implementing a Formal Culture of Care Program; Healy, Lauren, BS, LAT; Envigo, East Millstone, NJ

8. Refinement of an Identification Technique in Postnatal Day 1 Rats; Callahan, Jennifer BS, LAT, Gardner, Jessica*; Smith, Jaret; Envigo, East Millstone, NJ

9. Canine Hemorrhagic Pneumonia Caused by Extraintestinal *Escherichia coli* Infection; Mano, Christina* BS, LATG; Kundi, Mila C, MS, DVM; White, Randy PhD, DACVP; Burr, Holly N, DVM, DAACLAM; Bristol Myers Squibb, New Brunswick, N J

10. Entropion in a Cynomolgus Macaque; Shulder, Laura, BS, LATG; Bristol Myers Squibb, New Brunswick, NJ

11. Clipping and Marking of Dose Sites in Rats; Kopp, William, BS; Envigo, East Millstone, NJ

12. The Use of Novel Materials and Artificial Mice for Genotyping and Identification Techniques Training; Osborne Andrea* J., DVM; Seidel, Alane; McClain, Kate; and Whitcomb, Tiffany, DVM, DAACLAM; Pennsylvania State University, Hershey, PA

13. Comparing Efficacy of Anti-microbial Hand Wipes and Registered Disinfectants in the LAS Surgical Suite; Baker, Sandy*, BS, MLAS; Holt-Bright, Lewis, BA, CLAT; Lewis Katz School of Medicine at Temple University, Philadelphia PA; Ingraham, Amy S. BA, RLATG, and Johnson, David; Pharmacal Research Laboratories, Waterbury CT

14. Bridging the Gap: A Sentinel Shadowing Program for Lab Animal Professionals; Bempah, Maya; University of Pennsylvania, Philadelphia, PA

15. Implementing Alternative Techniques for Safe and Efficient Blood Collection in Hamsters; Rockwell, Michelle*, AA, LATG; Froescht, Kim, BS, LATG, CPLP, CMAR; Pfizer, Pearl River, NY

16. Meeting the Training Challenges of Intravenous Injection in Neonatal Mice for Humanized Mouse Models; Breeden, Lise*, RLATG; Cinque, Michael, LAT; Froescht, Kim, BS, LATG, CPLP, CMAR; Pfizer, Pearl River, NY

17. Implementation of Positive Reinforcement Training in Rabbits; Suto, Jennifer, BS, RLATG, CPIA; Pfizer, Pearl River, NY

18. Mini-Pig Urine Collection within a Laboratory Environment; White, Earl*, Fernandez, Jeffrey, BS; Wilson, Jolaine, DVM, DAACLAM; Janssen Research & Development, Spring House, PA

19. An Introduction to Marmoset Care & Enrichment; Lin, Ada*, AAS, LVT; Santiago, Xiomara, BBA, LVT, RLATG; Garcia, Jose, AAS, LVT, RLAT; Rodriguez, Yumi, AAS, LVT; State University of New York – College of Optometry, New York, NY

20. Eradication of Helicobacter spp. from a Mouse Breeding Colony in 4 Weeks Using the Four Drug Combo® Treatment; Slabyk, Emma*, AS, LAT; Ellingsworth, Margaret, AS, ALAT; Grau, Susan, AS, LATG; Damminger; Oscar, BS; Venkataraman, Venkat, Ph.D; Miller, Shohreh, DVM, DAACLAM, Ph.D; Rowan University, School of Osteopathic Medicine, Stratford, NJ

21. Rolling with the Tide of Technology; Rodriguez, Ariel, ALAT* and Garcia, Krystal, NYU Langone Health, New York University School of Medicine, New York, NY.

*designated presenting authors (listing at press time)

Don’t forget to register for the first ScanVenger Hunt!
Tuesday Events

2018 Animal Research Education & Awareness (AREA) Program

We are happy to announce the 2018 AREA program at TriBranch!

This program introduces the fields of laboratory animal science and biomedical research to students and their teachers. It has been made possible by support from the 2018 TriBranch Committee, Delaware Valley AALAS, New Jersey Branch AALAS, the Metro New York AALAS, NJABR, PSBR, AMP and participating exhibitors. Special thanks to the AALAS Foundation for providing guidance and materials needed to bring this program to TriBranch and to Pfizer for a grant supporting part of this program.

Students will be exploring the Exhibit Hall during the afternoon of Tuesday, June 12, 2018. We are soliciting volunteer support to mentor and chaperone our visiting students during the ScanVenger Hunt activity in the Exhibit Hall.

Please consider sponsoring the AREA program in 2018! More information about this program and how to participate can be found at http://psbr.org/programs-18/area-program

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Tri-Branch 2018
June 11-12, 2018
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Atlantic City, NJ
Grand Exhibition Center
Halls 1,2,3

Food & Break Area

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44 double-sided Poster Boards
Registration

Please note: Every effort has been made to ensure accuracy of all the information contained on the floorplan. However, no warranties are made with respect to this floorplan. If the location of building columns, utilities or other architectural components (the building is a factor in the construction or usage of an exhibit. It is the sole responsibility of the exhibitor to physically inspect the facility to verify all dimensions and locations.

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American Association for Laboratory Animal Science
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Memphis, TN 38125
www.aalas.org

Alpha Genesis Inc.
95 Castle Hall Road
Yemassee, SC 29945
www.alphagenesisinc.com

Alternative Design
PO Box 6330
3055 Cheri Whitlock Drive
Siloam Springs, AR 72761
www.altdesign.com

Americans for Medical Progress
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Washington, DC 20001
www.amp.org

Ancare Corp.
PO Box 814
Bellmore, NY 11710
www.ancare.com

Andersons / Bed-o’Cobs
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Maumee, OH 43537
www.andersonslabbedding.com

Animal Care Systems
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Centennial, CO 80112
www.animalcaresystems.com

Animal Specialties And Provisions, LLC
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Quakertown, PA 18951
www.animalspecialties.biz

Aquateering Inc.
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San Diego, CA 92126
www.aquaneer.com

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www.artsway-scientific.com

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www.atune.com

Beta Star
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BetterBuilt
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New Fane, NY 14108
www.nsc-betterbuilt.com

Bio Medic Data Systems, Inc.
11300 Rockville Pike
Rockville, MD 20852
www.bmds.com

Bio-Serv
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<td><a href="http://www.marshallbio.com">www.marshallbio.com</a></td>
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<td>Mispro Biotech Services 450 E. 29th Street Suite 602 New York, NY 10016</td>
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<td><a href="http://www.misprobioeth.com">www.misprobioeth.com</a></td>
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<td>Northeastern Products PO Box 98 Warrensburg, NY 12885</td>
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<td>NTM Consulting Services, Inc. 39300 Civic Center Drive Suite 250 Fremont, CA 94538</td>
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<td><a href="http://www.ntmcs.com">www.ntmcs.com</a></td>
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<td>Pennsylvania Society for Biomedical Research PO Box 1163 Camp Hill, PA 17001</td>
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<td><a href="http://www.psbbr.org">www.psbbr.org</a></td>
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<td>Research Supply Company 58 High Hill Circle Madison, CT 06443</td>
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<td><a href="http://www.researchsupplycompany.com">www.researchsupplycompany.com</a></td>
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<td>Sanitation Strategies, LLC 1798 Holloway Drive Suite A Holt, MI 48842</td>
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<td><a href="http://www.sanitationstrategies.com">www.sanitationstrategies.com</a></td>
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31

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cell phones on MUTE in sessions and presentation please
<table>
<thead>
<tr>
<th>Participants</th>
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</thead>
</table>
| **Adekola, Kehinde**  
Pfizer  
Pearl River, NY |
| **Afif-Rider, Shameen, BS, LATG, CPIA, RAC**  
AstraZeneca/MedImmune  
Gaithersburg, MD |
| **Baker, Sandy, MLAS**  
Lewis Katz School of Medicine  
Temple University  
Philadelphia, PA |
| **Bempah, Maya**  
University of Pennsylvania  
Philadelphia, PA |
| **Benigni, Steve**  
Allentown, Inc.  
Allentown, NJ |
| **Brahm, Dave**  
Bristol Myers Squibb  
Princeton, NJ |
| **Breden, Lise, RLATG**  
Pfizer  
Pearl River, NY |
| **Brotchie-Fine, Candice**  
MA, CPIA  
Novartis  
Cambridge, MA |
| **Brum, Juliana, BS**  
Envigo  
East Millstone, NJ |
| **Burr, Holly, N., DVM, DACVIM**  
Bristol Myers Squibb  
New Brunswick, NJ |
| **Callahan, Jennifer, BS, LAT**  
Envigo  
East Millstone, NJ |
| **Cassone, Louisa**  
Regeneron  
Tarrytown, NY |
| **Cinque, Michael, LAT**  
Pfizer  
Pearl River, NY |
| **Cluck, Richard S., LATG**  
Tecniplast  
West Chester, PA |
| **Coleman, Katie**  
Charles River Laboratories  
Wilmington, MA |
| **Czarneski, Mark A., MS**  
ClorDiSys Solutions  
Branchburg, NJ |
| **Damminger, Oscar, BS**  
Rowan University  
School of Osteopathic Medicine  
Stratford, NJ |
| **DeGenova, Robert , AIA**  
Flad Architects  
New York, NY |
| **Derfler, Kurt , MBA**  
Covance Research Products  
Denver, PA |
| **Devlin, Penny, MLAS**  
Pennsylvania State College of Medicine  
Hershey, PA |
| **Dieguez, Manny**  
Allentown, Inc.  
Allentown, NJ |
| **DiFrancesco, Denise, RLATG, CMAR**  
The Wistar Institute  
Philadelphia, PA |
| **Donnelly, Chuck**  
RockStep Solutions  
Portland, ME |
| **Ecklof, Nicole, LVT, RLATG**  
Novartis  
East Hanover, NJ |
| **Ellingsworth, Margaret, AS, ALAT**  
Rowan University  
School of Osteopathic Medicine  
Stratford, NJ |
| **Emma, Slabyk, AS, LAT**  
Rowan University  
School of Osteopathic Medicine  
Stratford, NJ |
| **Fernandez, Luis, DVM**  
Bioculture Group  
Glenmoore, PA |
| **Fernandez, Jeffrey, BS**  
Janssen Research & Development  
Spring House, PA |
| **Francescone, Liz**  
Allentown, Inc  
Allentown, NJ |
| **Francis, Jo, LAT**  
Bristol Myers Squibb  
New Brunswick, NJ |
| **Froberg, Karen, VMD**  
Bio-Serv  
Flemington, NJ |
Participants

Froeschl, Kim, BS, LATG, CPLP
Pfizer
Pearl River, NY

Gallacher, Matthew
AstraZeneca
Waltham, MA

Garbe, David, PhD
PSBR
Harrisburg, PA

Garcia, Jose, AAS, LVT, RLAT
State University of New York College of Optometry
New York, NY

Garcia, Krystal
NYU Langone Health, NYU School of Medicine
New York, NY

Gardner, Jessica
Envigo
East Millstone, NJ

Grajales, Carlos
AstraZeneca
Waltham, MA

Grau, Susan, AS, RLATG, CMAR
Rowan University School of Osteopathic Medicine
Stratford, NJ

Healy, Lauren, BS, LAT
Envigo
East Millstone, NJ

Holt-Bright, Lewis T, CLAT
Lewis Katz School of Medicine Temple University
Philadelphia, PA

Hostrander, Melissa, BS, RALAT
Merck & Co.
West Point, PA

Hughes LaTesa, DVM, MS
Lenderking Caging Products
Millersville, MD

Ingraham, Amy S., BA, RLATG
Pharmacal Research Labs
Waterbury, CT

Johnson, Dave
Pharmacal Research Labs
Waterbury, CT

Jones, Tom, BS
Envigo
East Millstone, NJ

Kelly, Natalie
AstraZeneca
Waltham, MA

Kingston, Ella, BS, LATG
Bristol Myers Squibb
New Brunswick, NJ

Kirsch, Jennifer, MLA, BA, RLATG
University of Pennsylvania
Philadelphia, PA

Kopp, William, BS
Envigo
East Millstone, NJ

Kramer, Liz, BSE
Lenderking Caging Products
Millersville, MD

Kundu, Mila C., MS, DVM
Bristol Myers Squibb
New Brunswick, NJ

Lange, Amber
Novartis
East Hanover, NJ

Leach, Tom, Esq.
NJABR/PSBR
Atco, NJ

Lee, Lydia, BS, RLATG
J&J Janssen Research & Development
Spring House, PA

Lin, Adam AAS, LVT
State College of New York College of Optometry
New York, NY

Long, Kay, BS, RLATG, CMAR
Rutgers
The State University of New Jersey
Newark, NJ

Maetzig, Nicole
University of Otorhinolaryngology
Head and Neck Surgery
Philadelphia, PA

Malone, Danielle
Bristol Myers Squibb
Princeton, NJ

Mano, Christina, BS, LATG
Bristol Myers Squibb
New Brunswick, NJ

McClain, Kate
Pennsylvania State University
Hershey, PA

McLahan, Craig, VMD
Janssen Research & Development, LLC
Spring House, PA

http://www.tribranch.org
Participants

Miranda, Jose RLAT
Novartis
East Hanover, NJ

Miller, Shoreh, DVM
Rowan University
School of Osteopathic Medicine
Stratford, NJ

Osbourne, Andrea, J.  DVM
Pennsylvania State University
Hershey, PA

Ospina, Victor
AstraZeneca
Waltham, MA

Patterson, Kelly S.
MLAS,CMAR, RLATG
Montclair State University
Montclair, NJ

Putro, Trisha
Bristol Myers Squibb
Princeton, NJ

Reyes, Gerson, BS
Envigo
East Millstone, NJ

Rideout, Alba
AstraZeneca
Waltham, MA

Robertson, Stara N.  DVM
Columbia University
New York, NY

Rockwell, Michelle AA, LATG
Pfizer
Pearl, River NY

Rodriguez, Ariel, ALAT
New York University
Langone Health
School of Medicine
New York, NY

Rodriguez, Yumi, AAS, LVT
State University of New York College of Optometry
New York, NY

Rohde-Johnson, Candace BS BASi
West Lafayette, IN

Roskoph, Tracy
Bristol Myers Squibb
Princeton, NJ

Sabine, Colin
W.F. Fisher & Son, Inc.
Somerville, NJ

Sancenito, John
Information Network Associates, Inc. (INA)
Harrisburg, PA

Santiago, Jennifer
Pfizer
Pearl River, NY

Santiago, Xiomara, BBA, LVT, RLATG
State University of New York College of Optometry
New York, NY

Savidge, Christina, BS, LATG
Envigo
East Millstone, NJ

Savidge, Mike
Envigo
East Millstone, NJ

Seidel, Alane
Pennsylvania State University
Hershey, PA

Semenuk, Michael  BS-CE
Lenderking Caging Products
Millersville, MD

Shulder, Laura BS, LATG
Bristol Myers Squibb
New Brunswick, NJ

Simkins, Mikele, DVM, DACLAM
Director/Attending Veterinarian
Pfizer, Inc
Pearl River, NY

Smith, Jaret
Envigo
East Millstone, NJ

Smith, Jennifer C, DVM, DACLAM
Henry Ford Health System
Detroit, MI
AALAS President 2018
Memphis, TN

Straeter, Pamela
Children’s Hospital of Philadelphia
Philadelphia, PA

Suto, Jennifer
Pfizer
Pearl River, NY

Taylor, Joshua, BS, LAT
Janssen Research & Development, LLC
Spring House, PA
Participants

Turner, Ann T. PhD, FASAE, CAE
Executive Director
American Association for Laboratory Animal Science, and
The AALAS Foundation
Memphis, TN

Venkataraman, Venkat PhD
Rowan University School of Osteopathic Medicine
Stratford, NJ

Vicino, Greg
Associate Curator of Animal Welfare & Elephants
San Diego Zoo
San Diego, CA

Vogelsong, Erin
Drexel University
Philadelphia, PA

Wheaton, Matt
Bristol Myers Squibb
Princeton, NJ

Whitcomb, Tiffany, DVM, DACLAM
Pennsylvania State University
Hershey, PA

White, Earl
Janssen Research & Development
Spring House, PA

White Randy, PhD, DACVP
Bristol Myers Squibb
New Brunswick, NJ

Wilkerson, Gina P, DVM
GSK Pharmaceuticals
Collegeville, PA

Williams, Nakeisha (Nikki), BS, RALAT
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As long as you are here at the Trop for the meeting, don’t let your day end at 5 PM.

Check out the shows, the IMAX theater (“Deadpool 2” and “Solo” and “Pandas” will be showing), check out the Escape Rooms with a friend, eat at one of the restaurants in the Quarter, and enjoy the Casino.

SHOW ME YOUR BADGE PROGRAM! Our Convention Special Offers!! Show any of the retailers your convention credentials, and you may receive a discount.

Check out the June Nightlife calendar

Dining options (fine, casual, outdoor, quick bites, etc.). https://tropicana.net/dining/

There is a $10 per day charge to use this fitness facility.
https://tropicana.net/amenities/atlanticare-lifecenter-fitness/

No charge for Hotel guests:
https://tropicana.net/amenities/tropicana-pools/

(Indoor Pool, South Tower, Sixth Floor; Outdoor Pool, North Tower, Sixth Floor)

Shopping! https://tropicana.net/amenities/shopping/
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There are 4 escape rooms: https://tropicana.net/entertainment/escape-ac/

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<th>TriBranch Co-Chairs</th>
<th>Matrix</th>
<th>AALAS Exams</th>
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<tr>
<td>Amber Lange</td>
<td>Tim Hofmann</td>
<td>Louisa Cassone</td>
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<td>Tracy Roskoph</td>
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<tr>
<th>Education Program</th>
<th>Local Arrangements</th>
<th>Silent Auction</th>
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<tr>
<td>Jennifer Santiago</td>
<td>Erin Vogelsong</td>
<td>Katie Coleman</td>
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<td>Karen Froberg</td>
<td>Nakeisha Williams</td>
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<th>Registration</th>
<th>TriBranch and NJ AALAS</th>
<th>Metro NY Branch President</th>
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<tr>
<td>Trisha Putro</td>
<td>Treasurer</td>
<td>Kehinde Adekola</td>
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<td>Danielle Malone</td>
<td>Matt Wheaton</td>
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<td>Kay Long</td>
<td>Webmaster</td>
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<td>Dave Brahm</td>
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<th>Posters</th>
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<th>NJ Branch President</th>
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<tr>
<td>Jennifer Suto</td>
<td>Dave Garbe</td>
<td>Mike Savidge</td>
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<td>Colin Sabine</td>
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<th>Exhibit Hall and Vendors</th>
<th>Publicity and Printed Program</th>
<th>DVB Branch President</th>
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<tr>
<td>Steve Benigni</td>
<td>Melissa Hostrander</td>
<td>Pamela Straeter</td>
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<td>Liz Francescone</td>
<td>Amy Ingraham</td>
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<th>TriBranch and NJ AALAS</th>
<th>2019 Tribranch Chair</th>
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<td>Treasurer</td>
<td>Melissa Hostrander</td>
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<th>TriBranch and NJ AALAS</th>
<th>2019 Tribranch Co-Chair</th>
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<tr>
<td>Treasurer</td>
<td>Denise DiFrancesco</td>
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<th>Education Program</th>
<th>Advisors</th>
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<tr>
<td>Jennifer Santiago</td>
<td>Deb Benner</td>
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<td>Karen Froberg</td>
<td>Ann Dinkel</td>
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### Monday June 11, 2018  12:00 - 7:00

#### AALAS Certification Examination Review - Seaside Room  10:00 - 12:00
- Due Diligence Auditing - Carousel Room 10:00 - 12:00
- Enrichment Roundtable - Pageant Room 10:00 - 11:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Platform Sessions</th>
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<tr>
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<td><strong>Track One - Carousel Room</strong></td>
<td><strong>Exhibit Hall Schedule</strong></td>
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<td><strong>Track Two - Pageant Room</strong></td>
<td><strong>Track One - Carousel Room</strong></td>
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<td><strong>Exhibit Hall Schedule</strong></td>
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<td><strong>Exhibits Open at 4:00</strong></td>
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<td><strong>Posters 12:00 - 4:00</strong></td>
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<td><strong>Authors Present 1:00 - 2:00</strong></td>
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<td><strong>ScanVenger Hunt 12:00 - 7:00</strong></td>
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<td>12:00 to 1:30</td>
<td><strong>Communicating the Importance of Biomedical and Animal Research Through Informal Education (12:00 - 12:20)</strong></td>
<td><strong>Adapting the Use of ADAPTIL® with Dogs in a Research Setting (12:00 - 12:20)</strong> Nicole Ecklof</td>
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<td><strong>What Goes On in Cage Wash Before and After 8 am – And How to Manage It All (12:20 - 12:40)</strong> Kelly S. Patterson &amp; Amy S. Ingraham</td>
<td><strong>Applications of UV Light Disinfection Technology in the Vivarium (12:20 - 12:40)</strong> Mark A. Czarneski</td>
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<td></td>
<td><strong>From Surgery to Study – Tips and Tricks for Better Catheterized Animal Studies (12:40 - 1:00)</strong> Candace Rohde-Johnson</td>
<td><strong>In the Cloud and on the Edge: The Future of Animal Lab Informatics Systems (12:40 - 1:00)</strong> Chuck Donnelly</td>
</tr>
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<td><strong>How to Manage Change (1:00 - 1:20)</strong> Michael Semenuk</td>
<td><strong>Novel Wireless Ammonia Sensors and Opening the Lid of a Mouse Cage (1:00 - 1:20)</strong> Liz Kramer</td>
</tr>
<tr>
<td>12:00 to 1:30</td>
<td><strong>Break 1:20 - 2:00</strong></td>
<td><strong>Break 1:20 - 2:00</strong></td>
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<td><strong>Ready for More</strong></td>
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<tr>
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<td><em>Ann T. Turner, Executive Director, AALAS</em></td>
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<td></td>
<td><strong>Motivational Management in the Laboratory Animal Industry</strong></td>
<td><strong>Motivational Management in the Laboratory Animal Industry</strong></td>
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<tr>
<td></td>
<td><em>Jennifer C. Smith, DVM, DACLAM, AALAS President</em></td>
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<tr>
<td>2:00 - 4:00</td>
<td><strong>Keynote Presentation</strong></td>
<td><strong>Keynote Presentation</strong></td>
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<td><strong>From Prevention of Cruelty to Optimizing Welfare: Opportunities to Thrive</strong></td>
<td><strong>From Prevention of Cruelty to Optimizing Welfare: Opportunities to Thrive</strong></td>
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<tr>
<td></td>
<td><em>Greg Vicino, Associate Curator of Animal Welfare and Elephants at the San Diego Zoo</em></td>
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</tr>
<tr>
<td></td>
<td><strong>Exhibitor Sponsored Cocktail Reception 4:00 - 7:00</strong></td>
<td><strong>Exhibitor Sponsored Cocktail Reception 4:00 - 7:00</strong></td>
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<tr>
<td>Time</td>
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<tr>
<td>9:00 - 10:00</td>
<td><strong>Track One - Carousel Room</strong></td>
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</tbody>
</table>
|              | Changing the Culture on a University Campus: A Conversation about Biomedical Research (9:00 - 9:30)  
Kelly S. Patterson  |                                                                                       |
|              | Doing More with Less: Adaptations and Changes Learned from Urban Vivaria (9:30 - 10:00)  
Robert DeGenova  |                                                                                       |
|              | **Track Two - Pageant Room**                                                      |                                                                                       |
|              | Ventilated Caging Maintenance: What You Don’t Know Might Actually Hurt You, Your Animals, and the Research (9:00 - 9:30)  
Manny Dieguez  |                                                                                       |
|              | Better Science Through a Commitment to Excellence in Animal Care (9:30 - 10:00)  
Christina Savidge |                                                                                       |
| 10:00 - 10:30| Break                                                                             | **Exhibits Open**                                                                      |
|              | Emergency Preparedness for Surgical Monitoring: A Case Study of an Adverse Drug Reaction in a Yucatan Swine (10:30 - 10:50)  
Jennifer Kirsch | 8:30 - 4:00                                                                            |
|              | Social Media – Friend or foe? (10:50 - 11:20)  
Lewis Thomas Holt-Bright |                                                                                       |
|              | Canine Enrichment & Care (11:20 - 11:50)  
Jennifer C. Smith |                                                                                       |
| 12:00 - 1:00 | **Lunch**                                                                         | Posts                                                                                   |
|              | Advocacy, Public Policy, & Biomedical Research (1:00 - 1:20)  
Tom Leach | 8:30 - 4:00                                                                            |
|              | Capture, Quarantine, Husbandry and Enrichment for Wild-Caught Birds (1:20 - 1:40)  
Stara N. Robertson | Authors Present                                                                         |
|              | Who is Enriching Whom? (1:40 - 2:00)  
Jo Francis & Ella Kingston | 10:00 - 11:00                                                                          |
| 2:00 - 2:30  | **Break**                                                                         | ScanVenger Hunt                                                                         |
|              | Roll with the Tides: A Technician’s View to Adapting to Change (2:30- 2:50)  
Jose Miranda | 8:30 - 4:00                                                                            |
|              | Security Considerations for Animal Use and Care Programs (2:50 - 3:50)  
John Sancenito | Authors Present                                                                         |
|              | Digitalization of the Vivarium (2:30 - 3:00)  
Richard S. Cluck | 10:00 - 3:00                                                                           |
|              | General Anesthesia/Analgesia in the Lab Animal Industry- Trends, Best Practices from Human Medicine (3:00- 3:30)  
Jennifer C. Smith |                                                                                       |
| 4:00 - 6:00  | **Cocktail Reception, Silent Auction, Poster Awards and ScanVenger Awards**       |                                                                                       |

**Tuesday June 12, 2018  9:00 - 6:00**

**Exhibitor Only Continental Breakfast - Exhibit Hall  8:00 - 8:30**

**Exhibits Open  8:30 - 4:00**

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**Nonhuman Primate Diseases of Relevance  1:00 - 1:30  Luis Fernandez**

**Nonhuman Primate Sourcing Considerations  1:30 - 2:00  Kurt Derfler**

**Social Media – Friend or foe?  10:50 - 11:20  Lewis Thomas Holt-Bright**

**Let’s Talk Ergonomics – How Do Your Practices Measure Up?  10:30 - 10:50  Melissa Hostrander & Denise DiFrancesco**

**Effective Temporary Cage Washer 2018  11:10 - 11:30  Abla Rideout, Natalie Kelly, Carlos Grajales, Victor Ospina, & Matthew Gallacher**

**Environmental Testing of Vendor Animal Transportation Vehicles as an Enhancement of Biosecurity Practices  11:30 - 11:40  Craig McLahan & Lydia Lee**

**Advocacy, Public Policy, & Biomedical Research  1:00 - 1:20  Tom Leach**

**Capture, Quarantine, Husbandry and Enrichment for Wild-Caught Birds  1:20 - 1:40  Stara N. Robertson**

**Who is Enriching Whom?  1:40 - 2:00  Jo Francis & Ella Kingston**

**Roll with the Tides: A Technician’s View to Adapting to Change  2:30- 2:50  Jose Miranda**

**Digitalization of the Vivarium  2:30 - 3:00  Richard S. Cluck**

**General Anesthesia/Analgesia in the Lab Animal Industry- Trends, Best Practices from Human Medicine  3:00- 3:30  Jennifer C. Smith**

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**Cocktail Reception, Silent Auction, Poster Awards and ScanVenger Awards  4:00 - 6:00 PM  Exhibit Hall**