2017 National Veterinary Scholars Symposium
18th Annual
August 4 – 5, 2017
Natcher Conference Center, Building 45
National Institutes of Health
Bethesda, Maryland

Center for Cancer Research
National Cancer Institute
with
The Association of American
Veterinary Medical Colleges

https://www.cancer.gov/
## Symposium Schedule

**Friday, August 4, 2017**

**Scientific Sessions, NIH Bethesda Campus, Natcher Conference Center, Building 45**

<table>
<thead>
<tr>
<th>TIME</th>
<th>ROOM/ LOCATION</th>
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<tbody>
<tr>
<td>7:00AM – 8:00AM</td>
<td>Registration</td>
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<tr>
<td>7:00AM – 8:00AM</td>
<td>Breakfast and Posters set up by 7:55AM (Posters displayed side by side even and odd numbers)</td>
</tr>
<tr>
<td>8:05AM – 8:20AM</td>
<td>Welcome! To NIH</td>
</tr>
<tr>
<td></td>
<td>Michael M. Gottesman, M.D.</td>
</tr>
<tr>
<td></td>
<td>Deputy Director for Intramural Research, Office of the Director, National Institutes of Health, and Senior Investigator, Multidrug Resistance Section Head, and Chief, Laboratory of Molecular Biology Center for Cancer Research, National Cancer Institute</td>
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<tr>
<td></td>
<td>Session Introductions and meeting host:</td>
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<tr>
<td></td>
<td>R. Mark Simpson, D.V.M., Ph.D.</td>
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<tr>
<td></td>
<td>Senior Scientist and Head, Molecular Pathology Unit Director, Comparative Biomedical Scientist Training Program Laboratory of Cancer Biology and Genetics Center for Cancer Research, National Cancer Institute</td>
</tr>
<tr>
<td>8:20AM – 8:30AM</td>
<td>Fabian M. Kausche, MS, Dr med vet</td>
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<tr>
<td>(10 min)</td>
<td>Head of Global Research and Development, Animal Health Business Unit Boehringer Ingelheim, Duluth, GA</td>
</tr>
<tr>
<td></td>
<td>“Welcome, A History of the National Veterinary Scholars Symposium”</td>
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<tr>
<td></td>
<td>Natcher Auditorium</td>
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**Plenary Session – Global Health**

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<tbody>
<tr>
<td>8:30AM – 9:20AM</td>
<td>Julie Pavlin, M.D., Ph.D., MPH</td>
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<tr>
<td>(50 min)</td>
<td>Director, Board on Global Health</td>
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<tr>
<td></td>
<td>National Academies of Sciences, Engineering and Medicine, Washington, D.C.</td>
</tr>
<tr>
<td></td>
<td>“Global Health, Emerging Infections and One Health”</td>
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<td></td>
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# 2017 National Veterinary Scholars Symposium

**Center for Cancer Research, National Cancer Institute**  
**National Institutes of Health**  
**Bethesda, Maryland**  
**With**  
**The Association of American Veterinary Medical Colleges**  
**Washington, D.C.**  
**August 4 – 5, 2017**

**Symposium Schedule**

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</table>
| 9:20AM – 10:10AM (50 min) | Corrie Brown, D.V.M., Ph.D.  
Josiah Meigs and University Distinguished Professor  
College of Veterinary Medicine,  
University of Georgia, Athens, GA  
"Lessons and Lesions from Around the World" | Natcher Auditorium |
| 10:10AM – 10:20AM (10 min) | Panel Discussion           |                               |
| 10:20AM – 10:30AM (10 min) | Break                     |                               |
| 10:30AM – 12:00PM (90 min) | Student Poster Session A (Even Numbers) | Natcher Center Atrium,  
and Rooms E1/E2; F1/F2; and G1/G2 |
| 12:00PM – 1:00PM (60 min) | Lunch                     |                               |
| 1:00PM – 2:30PM (90 min)  | Student Poster Session B (Odd Numbers) | Natcher Center Atrium,  
and Rooms E1/E2; F1/F2; and G1/G2 |
| **Plenary Session - Neuroscience and Genetics** | | |
| 2:30PM – 3:20PM (50 min) | Hugo Bellen, D.V.M., Ph.D.  
Howard Hughes Medical Institute Investigator  
Professor, Department of Molecular and Human Genetics  
Baylor College of Medicine, Houston, TX  
"Drosophila to Identify and Unravel Pathogenic Mechanisms of Human Diseases" | Natcher Auditorium |
| 3:20PM – 4:10PM (50 min) | R. Douglas Fields, Ph.D.  
Senior Investigator and Chief  
Nervous System Development and Plasticity  
National Institute of Child Health and Human Development,  
National Institutes of Health, Bethesda, MD  
"Beyond the Neuron Doctrine: White Matter Plasticity in Response to Functional Activity" | Natcher Auditorium |
| 4:10PM – 4:20PM (10 min) | Panel Discussion           |                               |
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<tr>
<td>4:30PM – 5:00PM (30 min)</td>
<td>Return to Hotel</td>
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<tr>
<td>5:30PM</td>
<td>Transportation to The National Zoo, Washington, D.C.</td>
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</tbody>
</table>

### Friday, August 4, continued

- **5:30PM** | **Reception, Special Speaker (On Location)**  
  | **(Content programed by AAVMC)** |
- **6:30PM – 8:30PM** | **Buses Return to Hotels at 8:30PM** |
  - Donald Neiffer, V.M.D.  
    Chief Veterinarian, Smithsonian’s National Zoo and Conservation Biology Institute  
  - The National Zoo, 3001 Connecticut Ave., NW Washington, D.C. 20008

## Saturday, August 5, 2017

**Scientific Sessions, NIH Bethesda Campus, Natcher Center, Building 45**

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| 7:30AM – 8:03AM (60 min) | Breakfast and Posters set up by 8:25AM  
  | (Posters displayed side by side even and odd numbers)  
  | Natcher Center Atrium, and Rooms E1/E2; F1/F2; and G1/G2 |
| 8:30AM – 9:15AM (45 min) | Scientific Presentations  
  | AVMA/AVMF Young Investigator Award Finalists  
  | Moderated by: Mark Suckow, D.V.M., Chair of AVMA Council on Research  
  | Meghan Vermillion, D.V.M.  
  | Johns Hopkins University  
  | “Modeling Congenital Zika Virus (ZIKV) Infection in Immunocompetent Mice”  
  | Zachary Freeman, D.V.M., Ph.D.  
  | Johns Hopkins University School of Medicine, currently at University of Michigan  
  | “Immune Checkpoints Are Discordantly Regulated by Chromatin Remodeling”  
  | Natcher Auditorium |
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| 9:15AM – 9:40AM (25 min) | Scientific Presentations and Boehringer Ingelheim Awards (2 presenters and awards)  
2017 Boehringer Ingelheim Veterinary Graduate Award  
Anna Massie, D.V.M., University of California-Davis  
Award presented by Diane Larsen, D.V.M., Ph.D., Head of Pharmaceutical Development, Boehringer Ingelheim Animal Health  
2017 Boehringer Ingelheim Veterinary Research Scholar Award  
Ann DiPastina, Michigan State University  
Award presented by Monica Figueiredo, D.V.M., Ph.D.  
Director, External Innovation R&D, Boehringer Ingelheim | Natcher Auditorium |
| 9:40AM – 10:30AM (50 min) | Professional Student Development Session  
**“Professional Development for Tomorrow’s Veterinarians”**  
Moderated by Dr. Ted Mashima, Association of American Veterinary Medical Colleges (AAVMC)  
Tiffany Lyle, D.V.M., Ph.D. Assistant Professor, Purdue University, West Lafayette, IN  
Sue VandeWoude, D.V.M., Professor and Associate Dean for Research and Graduate Education  
Colorado State University, Fort Collins, CO  
Ted Mashima, D.V.M., Senior Director for Academic and Research Affairs, AAVMC, Washington, D.C. | Natcher Auditorium |
| 10:30AM – 10:40AM (10 min) | Break                                           |                           |
| 10:40AM – 11:15AM (35 min) | Professional Development Panel Discussion  
(Programmed by Ted Mashima, D.V.M., AAVMC) | Natcher Auditorium |
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<td>11:15AM – 12:45PM (90 min)</td>
<td>Student Poster Session C (Even Numbers)</td>
<td>Natcher Center Atrium, and Rooms E1/E2; F1/F2; and G1/G2</td>
</tr>
<tr>
<td>12:45PM – 1:45PM (60 min)</td>
<td>Lunch Training Directors and the Boehringer Ingelheim Veterinary Scholars Program (B-IVSP)</td>
<td>Natcher Center Board Room D</td>
</tr>
<tr>
<td><strong>Concurrent Sessions</strong></td>
<td><strong>Session 1 Conservation Medicine</strong></td>
<td><strong>Session 2 Comparative Oncology</strong></td>
</tr>
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</table>
| 1:50PM – 2:15PM (25 min) | A. Alonso Aguirre D.V.M., M.S., Ph.D. Chair and Professor Department of Environmental Science and Policy, George Mason University, Fairfax, VA  
**Do You Want to be a Conservation Medic?: Dealing with the Gaps and Challenges of One Health for a Greener Planet*** | Amy LeBlanc, D.V.M., Head of Comparative Oncology, Molecular Imaging Program, Center for Cancer Research, National Cancer Institute, Bethesda, MD  
***The NCI Comparative Oncology Program: Past, Present and Future*** | Session 1  
 Balcony A, B, C  
 Natcher Center  
 Session 2  
 Main Auditorium, Natcher Center |
| 2:15PM – 2:40PM (25 min) | Dawn Zimmerman, D.V.M., M.S. Associate Program Director Global Health Program, Conservation Biology Institute National Zoological Park Smithsonian Institution, Washington, D.C.  
**Conservation Medicine – Saving a Species Through One Health*** | Nicola Mason, Ph.D., BVetMed Associate Professor of Medicine and Pathobiology, University of Pennsylvania, Philadelphia, PA  
***An Integrative and Comparative Approach to Preventing Metastatic Disease in Canine and Pediatric Osteosarcoma*** | Session 1  
 Balcony A, B, C  
 Natcher Center  
 Session 2  
 Main Auditorium, Natcher Center |
| 2:40PM – 3:00PM (20 min) | Break                                                                 |                                                                          |
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| 3:00PM – 4:00PM  (60 min) | **AVMA Excellence in Research Awards**
Moderator Mark Suckow, D.V.M., Chair of AVMA Council on Research, and Professor, Veterinary Population Medicine, University of Minnesota  
AVMA Clinical Research Award
Michael Lappin, D.V.M., Ph.D., Colorado State University (10 min)
AVMA Career Achievement Award in Canine Research
Darryl Millis, D.V.M., MS, University of Tennessee (10 min)
AVMF/Winn Feline Foundation Research Award
Duncan Lascelles, BSc, BVSc, Ph.D., North Carolina State University (10 min)
AVMA Lifetime Excellence in Research Award
Patricia Ann Conrad, D.V.M., Ph.D., University of California-Davis (20 min) | Natcher Auditorium |
| 4:00PM – 4:10PM  (10 min) | **Presentation of Young Investigator Awards**
Award presented by Mark Suckow, D.V.M., Chair of AVMA Council on Research | Natcher Auditorium |
| 4:10PM – 5:40PM  (90 min) | **Student Poster Session D (Odd Numbers)** | Natcher Center Atrium, and Rooms E1/E2; F1/F2; and G1/G2 |
| 5:45PM | Meeting concludes; Take down all posters, Return to Hotel (sorry we cannot be responsible for posters left at Natcher) |  |
| 6:30PM | **Free Evening in Washington, D.C. and Metro area** |  |
| **Sunday, August 6** |  |  |
| 7:30AM | **Breakfast and Hotel Checkout** | Bethesda Area Hotels |