

**Merck-Merial-NIH National Veterinary Scholars Symposium  
and AAVMC Symposium**  
**"Veterinarians in Biomedical Research: *Building National Capacity*"**  
August 2 – 4, 2007  
National Institutes of Health  
Bethesda, Maryland

**Commencement of the American Association of Veterinary Medical Colleges  
(AAVMC) Symposium**

**THURSDAY, AUGUST 2, 2007**

8:30 – 9:00 AM	Welcome and Opening Comments	Dr. Timothy Boosinger, AAVMC Dr. Gregory Hammer, AVMA Dr. Barbara Alving, NIH-NCRR
<b><i>Plenary Session:</i></b>		
<b><i>Building National Capacity – The Background</i></b>		Dr. Daryl Buss, Moderator
9:00 – 9:30 AM	Review of the documented needs for veterinarians in biomedical research	Dr. Thomas Rosol, Ohio State
9:30 – 9:50 AM	AAVMC Foresight Analysis and Long Range Planning: Addressing the need for veterinarians in biomedical research	Dr. Keith Prasse, AAVMC
<b><i>Panel Session:</i></b>		Dr. Bert Stromberg, Moderator
<b><i>What factors attract or discourage veterinarians from research careers?</i></b>		
10:10 – 10:40 AM	PhD student perspective	Dr. Scott Aoki, Harvard Dr. Stephan Carey, Michigan State
10:40 – 11:10 AM	Veterinary student perspective	Ms. Carole Harbison, Cornell Ms. Jodi Woods, Wisconsin
11:10 – 11:30 AM	Program director perspective	Dr. Michael Atchison, Pennsylvania
11:30 – 12:00 AM	Moderated discussion, Q & A	All Panelists
<b><i>Keynote Address</i></b>		Dr. Richard Wyatt, NIH, OD
1:00 – 1:30 PM	The role of veterinarians in biomedical research	
<b><i>Panel Session:</i></b>		Dr. James Fox, Moderator
<b><i>Programs to promote engagement of veterinarians in biomedical research</i></b>		
1:30 – 2:10 PM	Federal Programs	Dr. Barbara Alving, NCRR Dr. Stephen Sundlof, FDA
2:10 – 2:50 PM	Industry Programs	Dr. Gary Cockerill, Cockerill Inc. Dr. Gerry Hickey, Merck, Inc.
3:10 – 3:40	Nonprofit Institute Programs	Dr. Patricia Olsen, Morris An. Fnd. Dr. William Galey, HHMI

3:40 – 4:00 PM	Moderated Discussion	All Panelists
<b><i>Breakout Sessions</i></b>		
4:00 – 5:00 PM	<b>Question 1:</b> What are the priorities for new/renewed strategies to develop more DVMs entering biomedical research?	<i>Room A</i> Dr. Roberto Alva, Facilitator <i>Room B</i> Dr. Mark Simpson, Facilitator
	<b>Question 2:</b> What are the priorities for new/renewed strategies to reduce the loss of DVMs from biomedical research?	<i>Room C</i> Dr. Thomas Rosol, Facilitator <i>Room E</i> Dr. Joan Hendricks, Facilitator
	<b>Question 3:</b> How can we better mesh and align federal government, industry, and academia to produce more DVMs in biomedical research?	<i>Room F</i> Dr. Gerry Hickey, Facilitator <i>Room G</i> Dr. Franziska Grieder, Facilitator

**Commencement of the Merck-Merial-NIH Symposium**  
**FRIDAY, AUGUST 3, 2007**

8:30 – 9:00 AM Welcome & Opening Comments Drs. Michael Atchison, Penn;  
Gerry Hickey, Merck; Kevin Schultz, Merial; Andrew Maccabe, AAVMC

***Keynote Address***

9:00 – 10:00 AM The role of veterinarians in public health. Dr. Lonnie King, CDC

***Poster Session I***

10:00 – 12:00 AM Student research presentations  
Postgraduate training and employment opportunities introductions/tables

12:00 – 1:30 PM NCRR Training Program Directors Meeting Dr. Ray O'Neill (NCRR)

**Student Breakout Sessions and Discussions**

12:00 – 1:30 PM **Question 4:** How do faculty members influence student interest in biomedical research careers? What can be done to stimulate and motivate student interest?

***Plenary Session***

**Enhancing mechanistic understanding of cancer metastasis by integrating basic and veterinary investigative perspectives** Dr. Mark Simpson, NCI

1:30 – 2:50 PM	Using Mouse Models to Understand Human Cancer	Dr. Jeff Green, NCI
	A comparative approach towards cancer metastasis biology and therapy	Dr. Chand Khanna, NCI
	Molecular mechanisms in metastasis research	Dr. Patricia Steeg, NCI
3:10 – 4:30 PM	What can the mouse teach us about metastasis?	Dr. Glenn Merlino, NCI

Translational mouse models of cancer	Dr. Tom Rosol, Ohio State
Kinase Dysfunction in Canine Cancer	Dr. Cheryl London, Ohio State

**SATURDAY, AUGUST 4, 2007**

***Plenary Session: Young Investigator Presentations***

Dr. Lisa Freeman, Moderator

8:30 – 8:45 AM	Expression of the CALM-AF10 fusion gene in mice leads to acute leukemia which can be accelerated by retroviral infection	David Caudell NIH
8:45 – 9:00 AM	Pharmacological approaches to improve respiratory function after spinal cord injury	Francis Golder Univ. Pennsylvania
9:00 – 9:15 AM	Studies of acute and persistent cystitis reveal mouse strain-dependent checkpoints that impact the outcome of disease by uropathogenic <i>Escherichia Coli</i>	Thomas Hannan Washington Univ.
9:15 – 9:30 AM	RNA interference of the glycoprotein-D and DNA polymerase genes of feline herpesvirus by synthetic siRNAs	Rebecca Wilkes Univ. Tennessee
9:30 – 9:45 AM	Sodium valproate to enhance doxorubicin sensitivity	Luke Wittneberg Washington Univ.

***Poster Session II***

10:00 – 12:00 AM	Student research presentations Postgraduate training and employment opportunities introductions/tables
12:00 – 1:00 PM	Merck-Merial Directors Meeting Dr. Gerry Hickey

***Concurrent Sessions: State-of-the-Art Presentations***

1:00 – 2:45 PM	Immunology/hematology	Donohue, Modiano, Meek	<i>Room A</i>
	Genomics	Ostrander, Kotlikoff	<i>Room B</i>
	Stem cells/regenerative medicine	Cibelli, Kehler, Hankenson	<i>Room C</i>
	Genetic Disease	Wolfe, Vite	<i>Room E1</i>
	Neurobiology	Hendricks, Messing	<i>Room E2</i>
	Cancer	Mason, Khanna	<i>Room F</i>
	Infectious Disease	Hirsch, Milward	<i>Room G</i>
	Lab Animal Medicine	Hoyt, Hoogstraten-Miller, Schech, Thomas, Klaunberg	<i>Natcher Auditorium</i>

***Plenary Session: Bringing it All Together***

3:00 – 4:00 PM	Breakout Session Reports	Questions 1, 2, 3, 4
4:00 – 4:45 PM	Reaction to Reports	Dr. Daryl Buss, Moderator
4:45 – 5:00 PM	Closing Comments	Dr. Daryl Buss, Program Chair