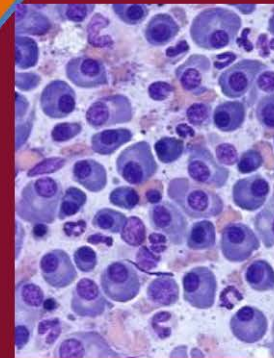




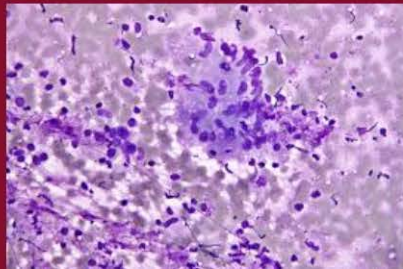
## 2015 CURRENT LAB ANIMAL SCIENCE SEMINAR



## 2015 PATHOLOGY OF LAB ANIMALS COURSE



## 2015 CLINICAL PATHOLOGY COURSE



Virginia-Maryland  
College of  
Veterinary Medicine

Virginia Tech College of Veterinary Medicine - 01-07 August 2015

“The Guide,” Chapter by Chapter • Pathology of Laboratory Fish • Pathology of Non-Traditional Lab Animal Species • Preparing for the ACLAM Board • Pathology of the “Irrelevant Rodents” • BMBL and Biosafety • USDA, and PHS Policies • Statistics for LAM Vets • Pathology of all Major Lab Species • AND MUCH MORE!



Tuition: CLASS only \$350

POLA only- \$400

Combined CLASS/POLA - \$700

ClinPath only-\$350

Combined POLA/ ClinPath - \$700

Combined CLASS/ POLA/ ClinPath- \$950

Course questions, contact Paul Facemire at

[facemirep@hotmail.com](mailto:facemirep@hotmail.com)

<http://www.cldavis.org/courses/upcoming.html#179>

This course has been submitted (but not yet approved) for up to 60 hours of continuing education credit in jurisdictions which recognize AAVSB RACE approval; however participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call Dr. James Britt, 501-907-2435, for further information.

# REGISTRATION FORM: 2015 CLASS/POLA/CLIN PATH Course

Virginia-Maryland College of Veterinary Medicine, Blacksburg, Virginia

1-7 August, 2015

## Course Directors:

CLASS	POLA	CLIN PATH
<b>Dr. Sarah Bro</b> , Executive Officer, Animal Care and Use Review Office, Fort Detrick MD, 301-619-6064 Email: <a href="mailto:sarah.l.bro.mil@mail.mil">sarah.l.bro.mil@mail.mil</a>	<b>Dr. Paul Facemire</b> , Deputy Director, Global Health Engagements, U.S Army Office of the Surgeon General, Falls Church VA, (703) 681-4489 Email: <a href="mailto:facemirep@hotmail.com">facemirep@hotmail.com</a>	<b>Dr. Sarah Hammond Barrett</b> , Department of Biomedical Sciences and Pathobiology, VA-MD College of Veterinary Medicine, (540) 231-4621 Email: <a href="mailto:shammond@vt.edu">shammond@vt.edu</a>

I hereby apply for enrollment in the above stated program, and agree to hold the C.L. Davis, DVM Foundation, its officers and faculty free of any loss or complaint, which may arise from their conduct of the aforementioned program or action any one of them may take in relation to this application.

DATE: \_\_\_\_\_

SIGNATURE OF APPLICANT: \_\_\_\_\_

TUITION: ( ) \$350 – Current Laboratory Animal Science Seminar (CLASS) - 1-2 August

( ) \$400 – Pathology of Laboratory Animals (POLA) – 3-5 August

( ) \$700 – CLASS/POLA combined – 1-5 August

( ) \$350 – Clin Path Course – 6-7 August

( ) \$700 – POLA/ Clin Path Course – 3-7 August

( ) \$950 – CLASS/ POLA/ Clin Path Course – 1-7 August

\*\*\*\*\*EVERY APPLICANT MUST COMPLETE\*\*\*\*\*

Name: \_\_\_\_\_

Degrees: \_\_\_\_\_

(Block print your name as you want it to appear on your certificate.)

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Make all checks or money orders payable to C. L. DAVIS FDN. You may pay by credit card. The Foundation accepts AMEX, VISA, MASTER CARD, DISCOVER.

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**SEND YOUR APPLICATION TO: The Charles Louis Davis Foundation, 6245 Formoor Lane, Gurnee, IL 60031-4757, USA [TELEPHONE: 847-367-4359] [FAX: 847-247-1869], submit entire page.**

**2015 CLASS/POLA/Clinical Pathology Course Faculty**  
**August 1-7, 2015**  
**VA-MD Regional College of Veterinary Medicine Blacksburg, VA**

**CLASS**

**Sarah Norris, MPH**

Chief, Office of Biostatistics, USAMRIID  
Ft Detrick, MD

**Ron E. Banks, DVM, MS, DAACLAM**

Director, Office of Animal Welfare Assurance  
Duke University, Durham, NC

**Deb Vanderford, DVM, DAACLAM**

Compliance Liaison, Office of Animal Welfare  
Assurance, Duke University, Durham, NC

**Dawn C. Fitzhugh, VMD, DACVPM, DAACLAM**

Associate Director, Animal RDT&E Protection  
Programs OASD(R&E), Washington, DC

**Larry J. Shelton, Jr., DVM, MPH, DAACLAM**

Director, Veterinary Affairs-Research Protection  
Program ,Navy Bureau of Medicine and Surgery  
Ft Detrick, MD

**Barry Robert, DVM, PhD, DAACLAM**

University Veterinarian and Director, Office of  
Animal Resources, Virginia Tech  
Blacksburg, VA

**David M. Moore, DVM, DAACLAM**

Assoc. VP for Research Compliance, Virginia Tech  
Blacksburg, VA

**Nicole Lindstrom, DVM**

Lab Animal Clinical Veterinarian, Virginia Tech  
Blacksburg, VA

**Sarah L. Bro, DVM, MPH, DAACLAM**

Executive Officer, Animal Care and Use Review Office, Fort Detrick, MD

**POLA**

**Kirstin Barnhart, DVM, PhD, DACVP**

Principal Pathologist, Preclinical Safety,  
Abbott, Research and Development  
North Chicago, IL

**Bruce H. Williams, DVM, DACVP**

Senior Pathologist  
Veterinary Pathology, Joint Pathology Center  
Silver Spring, MD

**Cory Brayton, DVM, DAACLAM, DACVP**

Associate Professor  
Johns Hopkins University  
Baltimore, MD

**Jeff Wolf, DVM, DACVP**

Chief Scientific Officer  
Manager, Virginia EPL Office  
Sterling, VA

**Timothy Cooper, DVM, DACVP**

Assistant Professor, Comparative Medicine  
College of Medicine, Penn State University  
Hershey, PA

**Nancy Kock, DVM, DACVP**

Professor, Pathology, Comparative Med.  
Wake Forest, School of Medicine  
Winston-Salem, NC

**Kristi Helke, DVM, DACVP, PhD**

Professor, Comparative Med  
Medical University of South Carolina  
Charleston, SC

**Paul Facemire, DVM, DACVP**

Deputy Chief, Global Health  
Office of the Surgeon General  
Falls Church, VA

## **CLIN PATH**

**Frederic S. Almy, DVM, MS, DACVP**

Head, Clinical Pathology Janssen Research &  
Development Spring House, PA 19477

**Kirstin Barnhart, DVM, PhD, DACVP**

Principal Pathologist, Preclinical Safety  
Abbot, Research and Development  
North Chicago, IL

**Katie Boes, DVM, MS, DACVP**

Assistant Professor Clinical Pathology VA-MD College  
of Veterinary Medicine Blacksburg, VA 24061

**Kurt Zimmerman, DVM, PhD, DACVP**

Associate Professor Clinical, Anatomic Pathology  
VA-MD College of Veterinary Medicine  
Blacksburg, VA 24061

**Sarah Hammond Barrett, DVM, DACVP**

Chief Clinical Pathology Resident  
VA-MD College of Veterinary Medicine  
Blacksburg, VA 24061

# 2015 PROGRAM

## CURRENT LABORATORY ANIMAL SCIENCE SEMINAR (CLASS)

### SATURDAY, 01 AUGUST

7:15 - 8:00	Registration	
8:00 - 8:15	Welcome, Introductions, Announcements.....	<i>Dr. Sarah Bro</i>
8:15 - 9:00	Preparing for the ACLAM Boards.....	<i>Dr. Sarah Bro</i>
9:00 - 10:00	Statistical Methods and Scientific Validity, Part 1.....	<i>Ms. Sarah Norris</i>
10:00 - 10:30	BREAK	
10:30 - 11:30	Statistical Methods and Scientific Validity, Part 2.....	<i>Ms. Sarah Norris</i>
11:30 - 12:30	LUNCH	
12:30 - 2:30	The Animal Welfare Act...and Its Consequences.....	<i>Dr. Ron Banks</i>
2:30 - 3:00	BREAK	
3:00 - 5:00	PHS Policy and FAQs.....	<i>Dr. Deb Vanderford</i>

### SUNDAY, 02 AUGUST

8:00 - 9:15	BMBL and Other Important Biosafety References.....	<i>Dr. Larry Shelton</i>
9:15 - 10:30	BSL3 & BSL4: Things to know and what not to do.....	<i>Dr. Larry Shelton</i>
10:30 - 10:45	BREAK	
10:45 - 12:00	AVMA's Euthanasia Guidelines.....	<i>Dr. Dawn Fitzhugh</i>
12:00 - 1:00	LUNCH	
1:00 - 3:00	The 8 <sup>th</sup> Edition of the Guide, Chapters 1, 2, and 3 (first part).....	<i>Drs. David Moore, Barry Robert, Nicole Lindstrom</i>
3:00 - 3:30	BREAK	
3:30 - 5:30	The 8 <sup>th</sup> Edition of the Guide, Chapters 3 (last part), 4, and 5.....	<i>Drs. David Moore, Barry Robert, Nicole Lindstrom</i>

# 2015 PROGRAM

## PATHOLOGY OF LABORATORY ANIMALS (POLA)

### MONDAY, 03 AUGUST

7:15 - 7:45	Registration	
7:45 - 8:00	Welcome and Announcements.....	<i>Dr. Paul Facemire</i>
8:00 - 8:50	Pathology of Non-Human Primates.....	<i>Dr. Nancy Kock</i>
9:00 - 9:50	Pathology of Non-Human Primates.....	<i>Dr. Nancy Kock</i>
10:00 - 10:50	Pathology of Non-Human Primates.....	<i>Dr. Nancy Kock</i>
11:00 - 11:50	Pathology of the Ferret.....	<i>Dr. Bruce Williams</i>
11:50 - 1:00	LUNCH BREAK	
1:00 - 1:50	Pathology of the Ferret.....	<i>Dr. Bruce Williams</i>
2:00 - 2:50	The Normal Fish Anatomy.....	<i>Dr. Jeff Wolf</i>
3:00 - 3:50	Diseases of Laboratory Fish.....	<i>Dr. Jeff Wolf</i>
4:00 - 4:50	Diseases of Laboratory Fish.....	<i>Dr. Jeff Wolf</i>
5:00 - TBD	Virginia Tech Social and Veterinary School Tour	

### TUESDAY, 04 AUGUST

8:00 - 8:50	Pathology of Mini-pigs.....	<i>Dr. Kris Helke</i>
9:00 - 9:50	Pathology of Mini-pigs.....	<i>Dr. Kris Helke</i>
10:00 -10:50	Pathology of Mini-pigs.....	<i>Dr. Kris Helke</i>
11:00 -11:50	Pathology of the Rabbit.....	<i>Dr. Tim Cooper</i>
11:50 -1:00	LUNCH BREAK	
1:00 - 1:50	Pathology of the Mouse.....	<i>Dr. Cory Brayton</i>
2:00 - 2:50	Pathology of the Mouse.....	<i>Dr. Cory Brayton</i>
3:00 - 3:50	Pathology of the Mouse.....	<i>Dr. Cory Brayton</i>
4:00 - 4:50	Pathology of the Mouse.....	<i>Dr. Cory Brayton</i>
5:00 - 6:30	Pathology of the Guinea Pig, Hamster, and Gerbil.....	<i>Dr. Paul Facemire</i>
6:30 - 7:30	DINNER BREAK	
7:30 - 9:30	Breakout Session: LAB ANIMAL GROSS EXAM I.....	<i>Dr. Tim Cooper</i>

### WEDNESDAY, 05 AUGUST

8:00 - 8:50	Pathology of the Rat.....	<i>Dr. Cory Brayton</i>
9:00 - 9:50	Pathology of the Rat.....	<i>Dr. Cory Brayton</i>
10:00 -10:50	Pathology of the Rat.....	<i>Dr. Cory Brayton</i>
11:00 -11:50	Pathology of Aging Rodents.....	<i>Dr. Cory Brayton</i>
11:50 -1:00	LUNCH BREAK	
1:00 - 1:50	Clinical Pathology of Lab Animals.....	<i>Dr. Kirstin Barnhart</i>
2:00 - 2:50	Clinical Pathology of Lab Animals.....	<i>Dr. Kirstin Barnhart</i>
3:00 - 3:50	Clinical Pathology of Lab Animals.....	<i>Dr. Kirstin Barnhart</i>
4:00 - 4:50	Clinical Pathology of Lab Animals.....	<i>Dr. Kirstin Barnhart</i>
5:00 - 6:30	DINNER BREAK	
6:30 - 8:30	Breakout Session: LAB ANIMAL GROSS EXAM II.....	<i>Dr. Paul Facemire</i>

# 2015 PROGRAM

## VMCVM CLINICAL PATHOLOGY COURSE

**Speakers:**

Tripp Almy, DVM, MS, Diplomate ACVP  
 Kirstin Barnhart, DVM, PhD, Diplomate ACVP  
 Katie Boes, DVM, MS, Diplomate ACVP  
 Sarah Hammond Barrett, DVM, Diplomate ACVP  
 Kurt Zimmerman, DVM, PhD, Diplomate ACVP

**THURSDAY, 06 AUGUST**

Time	Category	Topic	CE Hours
7:30-8:00		Registration	
8:00-8:15	Intro	Welcome & Introductions	
8:15-9:45	Chem	Electrolytes & Acid-base	1.5
9:45-10:00	Chem	Renal & Urinalysis	0.25
10:0-10:15	<b>Break</b>		
10:15-11:15	Chem	Renal & Urinalysis	1
11:15-12:15	Chem	Quiz & Review – A.M. sessions	1
12:15-1:00	<b>Lunch</b>		
1:00-2:30	Hem	Hemostasis and Platelets	1.5
2:30-3:00	Hem	Erythrocytes	0.5
3:00-3:15	<b>Break</b>		
3:15-4:15	Hem	Erythrocytes	1
4:15-5:30	Hem	Leukocytes	1.25
5:30-6:30	Hem	Quiz & Review – P.M. sessions	1
<b>Total</b>			<b>9 Hrs</b>

**FRIDAY, 07 AUGUST**

7:30-8:00		Registration	
8:00-9:00	Chem	Liver, Muscle, Protein	1
9:00-10:00	Chem	Ca, P, Adrenal, Thyroid	1
10:00-10:15	<b>Break</b>		
10:15-11:15	Chem	GI, Pancreases, Glucose, Lipid	1
11:15-12:15	Chem	Quiz & Review – A.M. sessions	1
12:15-1:00	<b>Lunch</b>		
1:00-2:00	Cyto	Neoplasia	1
2:00-3:00	Cyto	Inflammation & Agents	1
3:00-4:00	Cyto	Quiz & Review – P.M. sessions	1
<b>Total</b>			<b>7 Hrs</b>

HELPFUL LINKS:

C.L. Davis Foundations: <http://www.cldavis.org>

Directions to Virginia Tech: [http://www.visit.vt.edu/explore/copy\\_getting-here.html](http://www.visit.vt.edu/explore/copy_getting-here.html)

Roanoke Airport: <http://www.roanokeairport.com>

Shuttle Bus: <http://www.smartwaybus.com/index.htm>

Campus maps: <http://www.maps.vt.edu/>

Hotel recommendations: Conference Center on Campus; Holiday inn on Plantation or the Hilton Garden Inn  
(All within 2 miles)

Conference center on campus: <http://www.innatvirginiatech.com/>

Area Hotels: <http://www.blacksburglodging.com/hotels/>

Visiting campus: <http://www.visit.vt.edu/index.html>

Visiting Blacksburg: <http://www.blacksburg.gov/index.aspx?page=4>