



David Geffen
School of Medicine

Office of Continuing Medical Education, David Geffen School of Medicine at UCLA

In conjunction with

UC Davis School of Veterinary Medicine, College of Veterinary Medicine,
Western University of Health Sciences, and the Los Angeles Zoo & Botanical Gardens

Present

ZOOBIQUITY²

A Species-Spanning Approach to Medicine



A conversation between veterinarians and human physicians caring for the same diseases in different species

Saturday, September 29, 2012

Ronald Reagan UCLA Medical Center
Tamkin Auditorium

and

Los Angeles Zoo & Botanical Gardens
Los Angeles, California



Course Description

“Between animal and human medicine there is no dividing line—nor should there be. The object is different but the experience obtained constitutes the basis of all medicine.”

Rudolph Virchow, 19th Century, The Father of Modern Pathology

Comparative medicine once occupied a primary position in medical thought and education. Today, although the spectrum of clinical illness in animals and humans overlaps tremendously, veterinary and human clinical medicine operate in largely separate professional silos. Our fields come together episodically around concerns such as food safety, emerging infections and zoonoses. But the connections between human and veterinary health and clinical practice extend far beyond these issues—a reality well known to veterinarians but less recognized by human physicians. One step to facilitate understanding of the global and species-spanning nature of illness and health is to literally facilitate introductions between clinicians on both sides of this “species-divide.”

The 2nd Annual Zoobiquity Conference is sponsored by the UC Davis School of Veterinary Medicine, the David Geffen School of Medicine at UCLA, the College of Veterinary Medicine at Western University of Health Sciences, and the Los Angeles Zoo and Botanical Gardens. The conference is designed to bring together leading clinicians and scientists in both human and veterinary medicine to discuss the same diseases in a wide spectrum of animal species and human beings. The intention of this cross-disciplinary conference is to create conversations and relationships between human and veterinary colleagues confronted with similar clinical challenges. By crossing disciplines in this way, we can significantly expand the perspective of clinicians, scientists and patients about these shared disorders and broader health concerns.

The morning will begin in the auditorium of the Ronald Reagan UCLA Medical Center. Veterinary and human sub-specialists will discuss cases in the areas of Infertility, Oncology, Psychiatry/Behavior, and Obesity.

Following the morning program, conference participants will board buses and travel to the Los Angeles Zoo to participate in “Walk Rounds” led by the zoo’s veterinary staff and wildlife veterinarians from the UC Davis School of Veterinary Medicine. The afternoon session will feature several fascinating cases with important comparative elements. A cocktail reception will conclude the conference and participants will board buses back to UCLA.

Target Audience

This course is targeted to clinicians and scientists in the fields of medicine, veterinary medicine, evolutionary biology, public health, psychology and others.

Conference Goals and Objectives

The purpose of the conference is to facilitate understanding of the global and species-spanning nature of health (One Health). Our intent is that this conference provide a structure and program through which relationships can develop that bridge the “species divide” and from which a broader understanding of disease may emerge.

We hope that the development of these relationships around shared clinical challenges will lead to:

- Broader consideration of the epidemiology of disease (with implications for shared environmental triggers/exposures)
- Potential for new approaches to the diagnosis and treatment of disease in both animals and humans
- New collaborations and novel hypotheses for investigation
- Greater appreciation for the shared biology and pathophysiology of humans and animals. By extension, this points to the shared vulnerability of many species (including humans) to the same basic health threats—a message which speaks directly to the need for a global/species-spanning approach.

Faculty

Course Chair

Barbara Natterson-Horowitz, MD

Professor of Medicine
UCLA Division of Cardiology
David Geffen School of Medicine at UCLA

Course Co-Chairs

Patricia A. Conrad, DVM, PhD

Co-Director of One Health, UC Global Institute
Professor of Parasitology
Department of Pathology,
Microbiology and Immunology
UC Davis School of Veterinary Medicine

Dominique Griffon, DVM, MS, PhD, DECVS, DACVS

Associate Dean for Research
Professor of Veterinary Medicine, Surgery
College of Veterinary Medicine
Western University of Health Sciences

Cheryl Scott, RN, NP, DVM, MPVM

Program Director, Calvin Schwabe
One Health Project
UC Davis School of Veterinary Medicine

University of California, Los Angeles

Mark DeAntonio, MD*

Clinical Professor of Psychiatry
Director, Inpatient Child and Adolescent Service
Semel Institute for Neuroscience and
Human Behavior at UCLA

James Economou, MD, PhD*

Vice Chancellor of Research

Noah Federman, MD*

Director, Pediatric Bone and Soft Tissue Sarcoma
UCLA Sarcoma Program
UCLA Jonsson Comprehensive Cancer Center
Assistant Professor of Clinical Medicine

John Glaspy, MD, MPH*

Professor of Hematology/Oncology
UCLA Jonsson Comprehensive Cancer Center

David Heber, MD, PhD*

Director, UCLA Center for Human Nutrition
Professor of Medicine and Public Health

Jaana Juvonen, PhD

Professor, Developmental Psychology
UCLA Department of Psychology

UC Davis School of Veterinary Medicine

Melissa Bain, DVM, MS

Assistant Professor
Department of Medicine and Epidemiology

Christine Kreuder Johnson, VMD, MPVM, PhD

Associate Professor, Department of Medicine
and Epidemiology
Wildlife Health Center

Michael D. Lairmore, DVM, PhD

Dean

Linda J. Lowenstine, DVM, PhD, Dipl. ACVP

Professor, Department of Pathology, Microbiology
and Immunology

Richard Nelson, DVM

Professor and Chair, Department of Medicine
and Epidemiology

Robert Rebhun, PhD, DVM

Assistant Professor
Center for Companion Animal Health and
Department of Surgical and
Radiological Sciences

Lisa A. Tell, DVM

Professor, Department of Medicine and
Epidemiology

College of Veterinary Medicine Western University of Health Sciences

David Kersey, PhD

Assistant Professor, Physiology

Tracey McNamara, DVM, DACVP

Professor of Pathology

Phillip Nelson, DVM, PhD

Dean

Victoria Voith, DVM, MSc, MA, PhD

Professor, Animal Behavior

Featured Faculty

Pierre Comizzoli, PhD, DVM

Reproductive Physiologist, Center for
Species Survival
Smithsonian Conservation Biology Institute,
National Zoological Park

Curtis Eng, DVM

Chief Veterinarian
Los Angeles Zoo and Botanical Gardens

Karl Hill, DVM

Veterinarian, Los Angeles Zoo and
Botanical Gardens

Sherman Silber, MD

The Infertility Center for Saint Louis
St. Luke's Hospital, St. Louis, Missouri

Cindy Stadler, DVM

Veterinarian, Los Angeles Zoo and
Botanical Gardens

Program Schedule

Saturday, September 29, 2012

7:00 am Registration / Continental Breakfast / Student Poster Session

7:30 am **Welcome**

Barbara Natterson-Horowitz, MD
James Economou, MD, PhD

Michael D. Lairmore, DVM, PhD
Phillip Nelson, DVM, PhD

8:00 am **Zoobiquity/Keynote**

Tracey McNamara, DVM, DACVP

Note: The following cases are representative; actual cases to be determined.

Infertility Cases

8:25 am **Infertility in the Endangered Panda and a 31-Year-Old Math Teacher**

Pierre Comizzoli, PhD, DVM
Sherman Silber, MD
David Kersey, PhD

9:10 am **Questions and Answers**

9:25 am Break

Oncology Cases

9:45 am **(1) Breast Cancer in a Cocker Spaniel and a 57-Year-Old Museum Curator**

John Glaspy, MD, MPH
Robert Rebhun, PhD, DVM

(2) Osteosarcoma in a Golden Retriever and 17-Year-Old Pole Vaulter

Noah Federman, MD
Robert Rebhun, PhD, DVM

10:30 am **Questions and Answers**

Psychiatry/Behavior Cases

10:45 am **(1) Bullying in the Pig Pen and on the Playground**

Jaana Juvonen, PhD
Melissa Bain, DVM, MS

(2) Self-Injury in a Stallion and 17-Year-Old Barista

Mark DeAntonio, MD
Victoria Voith, DVM, MSc, MA, PhD

11:30 am **Questions and Answers**

Obesity Cases

11:45 am **Morbid Obesity in a 23-Year-Old Student and a Basset Hound**

Dominique Griffon, DVM, MS, PhD, DECVS, DACVS
Richard Nelson, DVM
David Heber, MD, PhD

12:30 pm **Questions and Answers**

Program Schedule (continued)

Los Angeles Zoo

12:45 pm Board Buses and Depart for LA Zoo

(boxed lunch provided)

2:30 pm “Walk Rounds” at the Zoo

(1) **Contraception in Yellow-Footed Rock Wallabies**

(2) **Screening for Aortic Dissection in Gorilla and
Pulmonary Hypertension in Orangutan**

(3) **Painful Periods in Orangutan**

(4) **Lead Toxicity and Microtrash in California Condors**

(5) **Periodontal and Craniofacial Diseases in Hunting Dog,
Wallabies and Bears***

** Session offered only once*

3:30 pm “Walk Rounds” at the Zoo

(1) **Contraception in Yellow-Footed Rock Wallabies**

(2) **Screening for Aortic Dissection in Gorilla and
Pulmonary Hypertension in Orangutan**

(3) **Painful Periods in Orangutan**

(4) **Lead Toxicity and Microtrash in California Condors**

4:30 pm Closing Remarks: Conservation of the Future

Michael Lairmore, DVM, PhD

5:00 pm Cocktail Reception

Program Organizers



General Information

Fee

Early Registration

\$225 CME participants

\$200 Non-CME participants

\$95 Trainees/students

Medical students must call the CME Office to register.

Early registration is recommended as space is limited.

On-site Registration

\$250 CME participants

\$225 Non-CME participants

\$120 Trainees/students

Conference Location

Morning Session

Ronald Reagan UCLA Medical Center

Tamkin Auditorium

757 Westwood Plaza

Los Angeles, CA 90095

Phone: (310) 825-9111

Afternoon Session (transportation provided)

Los Angeles Zoo & Botanical Gardens

5333 Zoo Drive

Los Angeles, CA 90027

Phone: (323) 644-4200

Enrollment

Online

Go to www.cme.ucla.edu/courses, click on Zoobiquity, and click the registration button. You may use your MasterCard, VISA, American Express or Discover card to register online.

By Mail

Use the form attached.

Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, Zoobiquity, 10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024-6512.

By FAX

Send the completed enrollment form with credit card information and authorizing signature.

FAX (310) 794-2624.

By Phone

Use your MasterCard, VISA, or Discover Card.

Call 310-794-2620.

E-mail address: eyala@mednet.ucla.edu

Please visit our website for other UCLA CME offerings:

www.cme.ucla.edu

Parking

Please park in Lot 8. A parking attendant will be on duty from 7:00–9:00 AM. If you arrive outside of this timeframe, please report to the parking kiosk on Westwood Plaza to pay for your parking permit. Participants are to pay their own parking charges at a rate of \$11 per vehicle.

Directions

From the 405 freeway, exit Wilshire Blvd. east toward Westwood. Turn left on Westwood Blvd. and continue on Westwood Plaza. Travel past Charles E. Young Dr. South and turn left on Structure 8 Driveway. Drive up the ramp to the rooftop level to park. The Ronald Reagan UCLA Medical Center is located on the corner of Westwood Plaza and Charles E. Young Dr. South.

Refunds

Cancellations must be received in writing by Friday, August 24, 2012 and will be subject to a \$50 processing fee. No refunds will be granted after that date. If, for any reason, the course must be canceled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

Additional Information

If you have any questions, please contact the UCLA Office of Continuing Medical Education at (310) 794-2620.

Accreditation

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 7.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This program has applied for RACE Continuing Education Credits through the SCVMA. Approval is pending.

Disclosure Statement

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy now mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. We, at UCLA, fully endorse the letter and spirit of these concepts.

Registration Form

ZOOBIQUITY

Course Number: M123-2 Fall 2012

Fees are as follows:

- Pre-registration \$225, CME participants
 \$200, Non-CME participants
 \$95, Trainees/students
- On-site registration \$250, CME participants
 \$225, Non-CME participants
 \$120, Trainees/students

Tuition includes registration in the program, syllabus, continental breakfast, break, boxed lunch, afternoon portion at the Los Angeles Zoo (including transportation), and cocktail reception.

Total: _____

I will be attending the afternoon portion at the Los Angeles Zoo.

NOTE: There will be significant walking. Please be sure to wear appropriate attire.

We strongly recommend that participants utilize transportation provided by the conference to ensure timely arrival at the zoo.

Please print.

Last four digits of Social Security Number

Name (First, Last, Degree)

Male Female

Preferred Mailing Address

City/State/Zip

Phone

Fax

Specialty

E-mail Address

Check enclosed, payable to **Regents of the University of California**

Charge: MasterCard Visa Discover

Card Number

Authorizing Signature

Expiration Date

Fax, with credit card number and expiration date, directly to our office at (310) 794-2624

Or

Mail to Office of Continuing Medical Education
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