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University of South Florida  
Office of Continuing Professional Development  
12901 Bruce B. Downs Boulevard, MDC 60  
Tampa, Florida 33612-4799



25th Annual  
Clinical Virology Symposium  
April 19 - 22, 2009

TWENTY-FIFTH ANNUAL

# Clinical Virology Symposium

and

Annual Meeting  
Pan American Society for  
Clinical Virology



April 19 - 22, 2009

Hilton Daytona Beach Oceanfront Resort  
100 N. Atlantic Avenue  
Daytona Beach, Florida 32118  
(386) 254-8200

**SYMPOSIUM CHAIRMAN**  
Steven Specter, Ph.D.

**CO-CHAIRMEN**  
Richard Hodinka, Ph.D.  
Stephen Young, Ph.D.  
Danny Wiedbrauk, Ph.D.

**HONORARY CHAIRMAN**  
Gerald Lancz, Ph.D.

*Sponsored by*  
USF HEALTH  
Tampa, Florida 33612

In cooperation with the Pan American Society  
for Clinical Virology

## Symposium Objective

This international symposium, led by biomedical scientists and physicians engaged in research and patient care, will provide a forum for the meaningful exchange of ideas dealing with viral infections. The relationship between rapid viral diagnosis, clinical course of viral infections, and preventive and therapeutic modalities for viral infections is the theme of this three-and-one-half day meeting. Discussion of timely topics by renowned scientists assures that this symposium will be informative and interesting. Furthermore, newly acquired information about clinically-relevant viral infections will be useful to practicing physicians who can apply this knowledge in a clinical setting. The symposium is intended for physicians, virology technicians, technologists, laboratory supervisors, laboratory directors and other health care professionals with an interest in the latest developments in clinical and diagnostic virology.

## Specific Continuing Education Objectives

1. Participants will gain a greater ability to explain the pathogenesis of viral diseases and the biology of the viruses that cause them.
2. Participants will develop an improved ability to perform and interpret diagnostic virology tests.
3. Participants will be better able to explain methods of antiviral therapies and vaccination strategies.

## Call for Abstracts Deadline: March 1, 2009

Participants are encouraged to submit abstracts that describe their original research results. **Abstracts must be submitted electronically to [sspeter@health.usf.edu](mailto:sspeter@health.usf.edu).** The abstract should begin 1" from the top of the page and must fit into a 6 1/2" x 9" area and be in 12 pt. Times New Roman font. **Title** should be in all CAPITALS. List all authors, and Underline the name of the person who will present the paper. Include professional affiliation. Participants who submit abstracts are expected to present their work in the scheduled poster session. Abstracts will be published in the Symposium program and on the Symposium website. **Students, fellows and technologists are eligible for travel award competition sponsored by PASCV. Please see the PASCV website ([www.virology.org](http://www.virology.org)) for Travel Award criteria. At the time of submission, a letter from a supervisor indicating the basis for eligibility must accompany abstracts for this competition.**

## Enrollment of Participants

All completed registration forms received by the Office of Continuing Professional Development will be acknowledged. Remittances will be returned to senders after the maximum number of participants has been enrolled. Additional information regarding enrollment and other aspects of this Symposium can be obtained from Steven Specter, Ph.D., by calling (813) 974-0897.

## Registration

Online: [www.cme.usf.edu/virology](http://www.cme.usf.edu/virology)  
Fax: (813) 974-3217 Phone (813) 974-4296 or (800) 852-5362

*If you do not want your address included in the Participant List provided to attendees and Exhibitors, send an email with your name as registered to: [opt-out@virologysymposium.org](mailto:opt-out@virologysymposium.org)*

## Clinical Virology Symposium April 19 - 22, 2009

### Sunday, April 19

8:00 a.m. – 4:00 p.m. Registration

8:00 a.m. - 9:00 a.m. Continental Breakfast

9:00 a.m. — 12:00 p.m. Edith Hsiung Practical Issues in Diagnostic Virology (3 Contact Hours) (Intermediate Level for Techs)

**Convenors:** Diane Leland, PhD, James Witcomb Riley Hospital for Children, Indianapolis, IN

Gregory Storch, MD, St. Louis Children's Hospital, St. Louis, MO

**Unusual CPE in an Era of Emerging Infections** - Danny Wiedbrauk, PhD, Warde Medical Laboratory, Ann Arbor, MI

**Understanding Immunofluorescent Techniques** - Linda Minnich, MS, SM(AMM), SM(ASCP), Charleston Area Medical Center Memorial Hospital, Charleston, WV

**Interactive Session: Virology Jeopardy** - Alexandra Valsamakis, MD, PhD, The Johns Hopkins Hospital, Baltimore, MD

1:00 p.m. – 4:30 p.m. Panel Discussions (3 Contact Hours)

**Communicating Virology Services to Health Care Providers**

**Moderator:** Ella Swierkosz, PhD, St. Louis Univ. School of Medicine, St. Louis, MO

Nancy Cornish, MD, Nebraska Methodist Health System, Omaha, NE

Janice Matthews-Greer, PhD, Louisiana State Univ. Health Science Center, Shreveport, LA

Cathy Petti, MD, Palo Alto Medical Foundation, Palo Alto, CA

**Neurological Disease - Approaches to Detection**

**Moderator:** Kirsten St. George, PhD, Griffin Laboratory, Wadsworth Center, Slingerlands, NY

Carol Glaser, DVM, MD, California State Department of Health Services, Richmond, CA

Duane Newton, PhD, University of Michigan Hospital, Ann Arbor, MI

Beverly Rogers, MD, University of Texas Southwestern Medical Center, Dallas, TX

6:30 p.m. PASCV Business Meeting

7:30 – 10:00 p.m. Scientific Poster Session I  
Registration (continued) and Dessert Reception

### Monday, April 20

7:30 a.m. Continental Breakfast and Exhibits  
Registration (continued)

8:30 a.m. – 12:55 p.m. Session I – Clinical Aspects of Viral Diseases (3.5 Contact Hours)

**Chairs:** John L. Sever, MD, PhD, Children's Hospital Medical Center, Washington, DC

Jeanne Jordan, PhD, George Washington University, Washington, DC

**Understanding the Pathogenesis of Highly Virulent**

**Adenoviruses** – Adriana E. Kajon, PhD, Lovelace Respiratory Research Institute, Albuquerque, NM

**Dengue: Is Environmental Change Impacting the Emergence and Spread?** – Duane Gubler, ScD, Duke-NUS Graduate Medical School, Singapore

**Transmission of Influenza: What's Keeping the Next Pandemic at Bay?** – S. Mark Tompkins, PhD, Univ. of Georgia, Athens, GA

**Emergence of Virology as a Discipline and its Impact on Clinical Medicine** – Kenneth McIntosh, MD, Harvard Medical School, Boston, MA

1:00 p.m. – 5:00 p.m. Optional Exhibitor Demonstrations

(Monday activities cont. next page)

5:00 – 7:00 p.m. Scientific Poster Session II Exhibits (Wine and Cheese served)

7:00 p.m. Banquet

Tuesday, April 21

7:30 a.m. Continental Breakfast, Exhibits, Registration (cont.) Scientific Poster Session III

8:30 a.m. – 12:55 p.m. Session II – Laboratory Diagnosis of Viral Infections (3.5 Contact Hours)

Convenors: Christine Ginocchio, PhD, North Shore-LIJ Health System Laboratories, Lake Success, NY Max Chernesky, PhD, St. Joseph’s Hospital, Hamilton, Ontario, CAN Viral Load Testing in Transplant Patients– Randall Hayden, MD, St. Jude Children’s Research Hospital, Memphis, TN Classic and Molecular Methods: Blending Old and New – Mario Marcon, PhD, Children’s Hospital, Columbus, OH Viral Diagnosis: We’ve Come a Long Way – Thomas F. Smith, PhD, Mayo Clinic, Rochester, MN Evidence-Based Virology: Impact of Diagnostic Testing – Samir Shah, MD, MSCE, Children’s Hospital of Philadelphia, Philadelphia, PA

2:30 p.m. – 4:30 p.m. Philip Hanff Memorial Clinical Case Presentations and Discussion\*\* (2 Contact Hours)

Chair: Richard Hodinka, PhD, Children’s Hospital of Philadelphia and University of Pennsylvania School of Medicine, Philadelphia, PA Angela Caliendo, MD, PhD, Emory University, Atlanta, GA Marie Landry, MD, Yale Univ. School of Medicine, New Haven, CT \*\*Opportunity for full reimbursement of Symposium registration fee - information available on the website. Go to virologysymposium.org; click on “Program”, then on “Submit a Clinical Case” in “Clinical Case Presentations” section.

5:00 – 7:00 p.m. Scientific Poster Session IV Exhibits (Wine and Cheese served)

Wednesday, April 22

7:30 a.m. Continental Breakfast

8:30 a.m. – 12:30 p.m. Session III – Prevention of and Therapy for Viral Diseases (3.5 Contact Hours)

Chairs: James Mahony, PhD, St. Joseph’s Hospital, Hamilton, Ontario, CAN Marcela Echavarria, PhD, CEMIC University Hospital, Buenos Aires, Argentina The Evolution of Viral Vaccinology – Barney S. Graham, MD, PhD, National Institutes of Health, Bethesda, MD Impact of Rotavirus Vaccine – Penelope H. Dennehy, MD, Rhode Island Hospital, Providence, RI HIV Drug Resistance: The 2nd Decade of HAART – Robert Shafer, MD, Stanford University College of Medicine, Stanford, CA Use of Human Monoclonal Antibodies for Treatment of West Nile Virus – Michael Diamond, MD, PhD, Washington University School of Medicine, St. Louis, MO

Invited Discussants

Prof. Mauro Bendinelli Sheryl Johnston, MS Prof. Bruno Lina Dave Myerson, MD, PhD C. George Ray, MD Arne Rodloff, PhD Kathy Stellrecht, PhD Gregory Tsongalis, PhD Joseph Waner, PhD

Exhibit Hall Guest Registration

Registration for guests to attend Exhibit Hall functions is now available ON THE WEB at http://www.cme.hsc.usf.edu/virology/ Fee (\$50) includes receptions, continental breakfasts, and breaks. The Monday night banquet is NOT included in the Exhibit Hall Registration.

Faculty Disclosure

USF Health adheres to the ACCME Standards regarding commercial support of continuing medical education. It is the policy of USF Health that the faculty and planning committee disclose real or apparent conflicts of interest relating to the topics of this educational activity, that relevant conflict(s) of interest are resolved and also that speakers will disclose any unlabeled/unapproved use of drug(s) or device(s) during their presentation. Detailed disclosure will be made in the course syllabus.

Pan American Society for Clinical Virology

The Pan American Society for Clinical Virology (PASCV) was founded in 1977 as the Pan American Group for Rapid Viral Diagnosis to help raise the standards of diagnostic virology in the Americas as the European Group for Rapid Viral Diagnosis has done elsewhere. The name was changed in 1995 to reflect the expanding role of the Society in all areas of clinical virology, including diagnostics, manifestations of viral diseases and viral pathogenesis, prevention of and therapy for viral diseases, and the improved understanding of all of these. The PASCV is run by an elected council and sponsors symposia, workshops and annual awards in clinical virology. The Society provides several travel grants to the Clinical Virology Symposium to students, postdoctoral fellows or technologists who submit abstracts to the meeting. Please check the PASCV website for Travel Award criteria (www.virology.org). Three \$1000 awards for the outstanding abstracts among fellows, students or technologists are given in memory of Dr. Mario Escobar and Edwin Lemette, and in honor of Edith Hsiung. . Membership includes virologists from all of the Americas and the Caribbean. The current PASCV president is Danny Wiedbrauk, Ph.D., Warde Medical Laboratory, Ann Arbor, MI.

USF Health gratefully acknowledges confirmed Exhibitors & Supporters

3M Medical Diagnostics AcroMetrix Asuragen, Inc. Autogenomics BD Diagnostics- Preanalytical Systems Bion Enterprises Limited Biotrin International, Ltd. College of American Pathologists Diagnostic HYBRIDS EraGen Biosciences Euroimmun US, LLC Fitzgerald Industries International Gen-Probe, Incorporated HandyLab, Inc. Idaho Technology, Inc. Inverness Medical Professional Diagnostics Meridian Bioscience, Inc. Nanogen, Inc. NorDiag, Inc. Prodesse, Inc. Puritan Medical Products Company Quidel Corporation REMEL, Inc. SA Scientific, LTD Seimens Medical Solutions Diagnostics STRATEC Biomedical Systems AG The IMPACT Marketing Group ViraCor Laboratories Abbott Laboratories Argene, Inc. Attostar LLC BD Diagnostics Beckman Coulter Bio-Rad Laboratories Cepheid Copan Diagnostics, Inc. Diamedix EUROGENTEC North America Fisher Healthcare Focus Diagnostics Grifols USA HX Diagnostics Innogenetics NV MBL Bion Millipore Corporation Nanosphere, Inc. Osmetech Molecular Diagnostics Promega Corporation QIAGEN Inc. R-Biopharm, Inc. Roche Diagnostics Corporation Scimedx Corporation Spartan Bioscience, Inc. The Binding Site, Inc. Third Wave Technologies ViroMed Laboratories ZeptoMetrix Corporation

Refund & Program Cancellation Policies

A refund (minus a processing fee of \$25) will be given if written notice of cancellation is received on or prior to April 1, 2009. The University of South Florida reserves the right to cancel this program due to unforeseen circumstances. In the event of such cancellation, the full registration fee will be refunded. The USF Health CPD Office will not be responsible for travel expenses incurred by participants in case of cancellation.

Accreditation

USF Health is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

USF Health designates this educational activity for a maximum of 18.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The University of South Florida is an approved provider of continuing education programs in the clinical laboratory sciences through the ASCLS P.A.C.E. program.

The 25th Clinical Virology Symposium has been approved by the Florida Board of Clinical Laboratory Personnel for CE Credit for Clinical Laboratory Directors, Technicians, Technologists, & Supervisors

NOTE: CE Credit is no longer offered for Poster Sessions

Housing Accommodations

The Hilton Daytona Beach Oceanfront Resort on the Atlantic Ocean features a lounge, restaurants, swimming pools, ocean beach and recreational opportunities. Rooms are available at the Hilton for \$159.00 per night, single or double; no resort fee; tax currently 12.5%. Note: Room block is held and room reservations can be guaranteed only until March 15, 2009. Make reservations directly by calling (386) 254-8200. For special rates you must mention the code “CVS09.”

Travel Arrangements/Additional Accommodations

Travel Concepts, Tampa, FL, is the designated travel agency for the 25th Annual Clinical Virology Symposium. Recommended Airports: Daytona Beach International Airport or Orlando International Airport. Daytona Airport Transportation: We recommend a cab if you are not renting a car. Travel from the Orlando airport is available from: DOTS (Daytona Orlando Transit Service) - phone (386) 257-5411 • (800) 231-1965 • Fax (386) 257-5415; www.dots-daytonabeach.com

Additional Accommodations

Discounted Rates available ONLY through Travel Concepts! Travel Concepts has arranged for special rates at several hotels, including but not limited to: Mayan (formerly Best Western); Plaza Resort & Spa; Wyndham Ocean Walk. All reservations require a one night deposit on EACH room (refundable if cancelled 14 days prior to scheduled arrival) and are subject to a nonrefundable booking fee of \$20.00 USD. Due to the high number of cancellations TRAVEL CONCEPTS WILL CHARGE ONE FULL NIGHT FOR CANCELLATIONS MADE ON OR AFTER April 4, 2009. ALL hotels require 72 hours notice of cancellation or an ADDITIONAL night may be assessed.

To obtain special rates contact Travel Concepts at 800-464-6221, 813-908-1777 or 813-265-9511; FAX 813-962-2473, Mon-Fri 9 am - 5:30 pm EST; email tracy@tvlcnx.com or shirley@tvlcnx.com NOTE: Room blocks are held until 30 days prior to the Symposium.

Accomodations for Disabilities

Please notify the CPD Office, 12901 Bruce B. Downs Blvd., MDC Box 60, Tampa, Florida, 33612 or call (813) 974-4296 a minimum of ten working days in advance of the event if a reasonable accommodation for a disability is needed.

Events, activities and facilities of the University of South Florida are available without regard to race, color, sex, national origin, disability, age, or Vietnam veteran status as provided by law and in accordance with the University's respect for personal dignity.

UNIVERSITY OF SOUTH FLORIDA CLINICAL VIROLOGY SYMPOSIUM (register online: www.virologysymposium.org or www.virology.org) April 19 - 22, 2009 Hilton Daytona Beach Oceanfront Resort

NAME \_\_\_\_\_ DEGREE(S)/DISCIPLINE \_\_\_\_\_ Date of Birth (MM/DD only) \_\_\_\_\_ GENDER (circle) Female Male INSTITUTION \_\_\_\_\_ EMAIL \_\_\_\_\_ \_GENDER (circle) Female Male ADDRESS \_\_\_\_\_ Daytime PHONE \_\_\_\_\_ FAX \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_ COUNTRY \_\_\_\_\_ ZIP/POSTAL CODE \_\_\_\_\_

I will submit an abstract by March 1, 2009. Fees: \$375 if received by March 15, 2009, \$450 after March 15, 2009, \$450 after March 15, 2009, and \$250 thereafter. To Pay by Credit Card: Card Number: \_\_\_\_\_ (Circle) VISA MC AMEX Exp. \_\_\_\_\_ Name on Card (print) \_\_\_\_\_

(All Cancellations subject to \$25 processing fee. See “Refund Policy” for details.) Signature: \_\_\_\_\_

“Burning Question” I would like the faculty to address during the program: \_\_\_\_\_  Symposium Registration Fee (includes banquet) \_\_\_\_\_  YES, I will attend the banquet April 20, 2009 \_\_\_\_\_  NO, I do not wish to attend the banquet \_\_\_\_\_  Include additional banquet tickets (\$40.00 each) \_\_\_\_\_  Golf Shirt (\$35.00 each by 3/1/09) NOTE: Tee shirt is FREE \_\_\_\_\_  No charge \_\_\_\_\_

Clinical Virology Symposium 2009 Golf Shirt \$35 each. Must be ORDERED and PAID by March 15, 2009. Shirts are cut FULL! Circle Size: Sm Med Large Xl-ge 2Xl-ge

Enclosed is my check made payable to: USF Health Professions Conferencing Corporation (USF HPCC) in the amount of: (TOTAL) \_\_\_\_\_ Mail registration form with payment to: ATTN: JH2009455-1144, USF Office of Continuing Professional Development, PO Box 864240, Orlando, FL 32886-4240 Symposium registration fee includes attendance at the banquet, evening receptions, program, 1 program CD, and commemorative T-shirt. Please make your own room reservations at the special rates by calling the Hilton Daytona Beach Oceanfront Resort using the numbers given in this brochure. Identify yourself as a participant in this symposium by the code “CVS09.” Special rate is guaranteed only through 3/16/2009.

JH2009455/1144