7th International Coccidioidomycosis Symposium

A Continuing Medical Education Conference Presented by the Division of Infectious Diseases & Geographic Medicine
Department of Medicine with Infectious Diseases & Geographic Medicine at the Stanford University School of Medicine

August 10-13, 2017
Li Ka Shing Center for Learning
Palo Alto, CA

Please register early – space is limited • Register online at cme.stanford.edu/icm

Sponsored by the Stanford University School of Medicine
Dear Colleagues,

It is a pleasure to invite you to the 7th International Coccidioidomycosis Symposium to be held August 10-13, 2017 at Stanford University. The meeting, which takes place approximately once a decade, will bring together experts from the Americas and will present state of the art knowledge about this fascinating disease. Areas covered will include:

- History
- Understanding the fungal life cycle
- Fungal ecology and genomics
- Epidemiology (classical and molecular) and public health
- Occupational health aspects
- Coccidioidomycosis in Latin America
- Veterinary aspects
- Immunology
- Clinical presentation
- Diagnostics
- Management, including review of new IDSA guideline
- Host aspects – including role of immunodeficiencies, as well as genetic and immunosuppressive therapies
- Surgical aspects
- Role of new and promising antifungal agents
- Clinical problem-solving

Space is limited so register early; we look forward to your participation in this meeting.

Sincerely,

Stan Deresinski, MD
Clinical Professor, Medicine
Division of Infectious Diseases
Stanford University

Neil M. Ampel, MD
Professor of Medicine
University of Arizona

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### Faculty

<table>
<thead>
<tr>
<th>Course Directors</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Directors</strong></td>
<td><strong>Cody Alcott, DVM, DACVM</strong> Medical Director, Neurology &amp; Neurosurgery Veterinary Specialty Center of Tucson</td>
</tr>
<tr>
<td><strong>Stan Deresinski MD</strong> Clinical Professor, Medicine Division of Infectious Diseases Stanford University</td>
<td><strong>Neil M. Ampel, MD</strong> Professor of Medicine University of Arizona</td>
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<tr>
<td><strong>Course Co-Director</strong></td>
<td><strong>Eduardo G. Arathoon-Peréz, MD</strong> Asociación de Salud Integral Guatemala City, Guatemala</td>
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<td><strong>Course Co-Director</strong></td>
<td><strong>Wassim M. Ballan, MD</strong> Clinical Assistant Professor University of Arizona College of Medicine, Phoenix</td>
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<tr>
<td><strong>Bridget Barker, PhD</strong> Center Director and Assistant Professor Northern Arizona Center For Valley Fever Research TGen North</td>
<td><strong>Janis Blair, MD</strong> Professor of Medicine Mayo Clinic Arizona</td>
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<tr>
<td><strong>Herbert Boro, MD, FACP</strong> Herbert Boro, MD, FACP Infectious Disease Clinical, retired Program Chair, Cocci Study Group Fresno, CA</td>
<td><strong>Cristina Canteros, MD</strong> Jefa de Servicio Micosis Profundas Departamento Micología INEI-ANLIS “Dr Carlos G. Malbrán” Buenos Aires, Argentina</td>
</tr>
<tr>
<td><strong>Antonino Catanzaro, MD</strong> Professor of Medicine University of California at San Diego</td>
<td><strong>Chiung-Yu Hung, PhD</strong> Assistant Professor of Research University of Texas at San Antonio</td>
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<tr>
<td><strong>Vishnu Chaturvedi, PhD</strong> Director of the Microbial Disease Laboratory California Department of Public Health</td>
<td><strong>Non-Speaking Convener</strong></td>
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<td><strong>Tom Chiller, MD, MPH</strong> Chief, Mycology Diseases Branch Division of Foodborne, Waterborne, and Environmental Diseases National Center for Emerging and Infectious Zoonotic Diseases Centers for Disease Control and Prevention</td>
<td><strong>Non-CME Speaker</strong></td>
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<tr>
<td><strong>Susan E. Hoover, MD, PhD</strong> Infectious Diseases Specialist Sanford Health</td>
<td><strong>Amy Hsu, BA</strong> Biologist, Laboratory of Clinical Infectious Diseases National Institute of Allergy and Infectious Diseases (NIAID) National Institutes of Health (NIH)</td>
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<tr>
<td><strong>Non-CME Speaker</strong></td>
<td><strong>Chiung-Yu Hung, PhD</strong> Assistant Professor of Research University of Texas at San Antonio</td>
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**Thursday – August 10th**

**8:00 – 9:00 AM**  
**Breakfast and Registration**

**9:00 – 11:00 AM**  
**Workshop 1: Genetic Manipulation and Isolation of Coccidioides**  
Bridget Barker, Nancy Chow, and Marc Orbach

**9:00 – 11:00 AM**  
**Workshop 2: Clinical Laboratory Safety**  
Vishnu Chaturvedi and Karl Clemons

**9:00 – 11:00 AM**  
**Workshop 3: Understanding the Diagnostics of Coccidioidomycosis**  
Thomas Grys, Demosthenes Pappagianis, and Mike Saubolle

**11:00 – 12:30 PM**  
**Lunch**

**12:30 – 1:00 PM**  
**Opening of Conference**  
Introduction by Neil M. Ampel

**1:00 – 3:00 PM**  
**Fungal Ecology & Genomics**  
Convener: Bridget Barker  
- Coccidioides Population Genomics – Bridget Barker  
- Analysis of Soils in Washington State and Oregon – Ana Litvintseva  
- Coccidioides in Soil and Rodents in Mexico – Meritxell Riquelme

**3:00 – 3:30 PM**  
**Clinical Presentations of Coccidioidomycosis**  
Convener: Susan Hoover and Rafael Laniado

**3:30 – 5:30 PM**  
**Break**

**5:00 – 6:00 PM**  
**Panel Discussion of the New Coccidioidomycosis Guidelines**  
Convener: John Galgiani
Panel: Neil Ampel, Janis Blair, Antonino Catanzaro, Francesca Geertsma, Susan Hoover, Royce Johnson, David Stevens, and Rebecca Sunenshine

**6:00 – 7:30 PM**  
**Reception (participants and guests – additional fee required)**

**Saturday – August 12th**

**7:00 – 8:00 AM**  
**Breakfast**

**8:00 – 10:00 AM**  
**Coccidioidomycosis in Latin American**  
Convener: Eduardo Arathoon and Rafael Laniado  
- Coccidioidomycosis in Mexico – Rafael Laniado-Laborin  
- Coccidioidomycosis Research in Mexico – Raquel Muñiz-Salazar  
- Coccidioidomycosis and Tuberculosis: Differential Diagnosis – Luis Adrian Rendón-Pérez  
- Coccidioidomycosis in Central America – Eduardo Arathoon-Pérez  
- Coccidioidomycosis in South America – Cristina Canteros

**10:00 – 10:30 AM**  
**Break and Poster 2 – Viewing**

**10:30 – 12:30 PM**  
**Basic Science**  
Convener: Joshua Fierer  
- Animal Models of coccidioidomycosis – Joshua Fierer  
- Mendelian Mutations and Susceptibility to Coccidioidomycosis – Amy Hsu  
- Histoplasma and Coccidioides – Anita Sil  
- Determinants of a Vaccine for coccidioidomycosis – Chung-Yu Hung

**12:30 – 1:00 PM**  
**Lunch**

**1:00 – 1:30 PM**  
**Update from CDC** – Tom Chiller  
No CME

**1:30 – 2:30 PM**  
**Special Lecture – Introduction by Neil M. Ampel**  
What is the Life Cycle of Coccidioides? – John Taylor

**2:30 – 3:00 PM**  
**Break and Poster 2 – Viewing**

**3:00 – 5:00 PM**  
**Coccidioidomycosis in Compromised Hosts**  
Convener: Janis Blair  
- Coccidioidomycosis in Transplant Recipients – Janis Blair  
- Coccidioidomycosis in Patients with HIV Infection – Neil M. Ampel  
- Coccidioidomycosis in Patients Receiving Biologics – Susan Hoover

**5:00 PM**  
**Adjourn**

**Sunday – August 13th**

**7:30 – 8:30 AM**  
**Breakfast**

**8:30 – 10:00 AM**  
**Occupational Health**  
Convener: Marie de Perio  
- Occupational Coccidioidomycosis Surveillance – Marie de Perio  
- Recent Occupational Coccidioidomycosis Investigations and Education Efforts in California – Jason Wilken  
- Occupation and Industry Data in Coccidioidomycosis-Associated Deaths in California – Rebecca Laws  
- A Case-Control Study of Coccidioidomycosis Among Hispanic Farm Workers in Kern County, CA – Stephen A. McCurdy  
- Knowledge, Attitudes, Beliefs and Behaviors Regarding Coccidioidomycosis Among California Hispanic Farm Workers – Carol Sipan

**10:00 – 12:00 PM**  
**Panel Discussion of the New Coccidioidomycosis Guidelines**
Convener: John Galgiani
Panel: Neil Ampel, Janis Blair, Antonino Catanzaro, Francesca Geertsma, Susan Hoover, Royce Johnson, David Stevens, and Rebecca Sunenshine

**12:00 PM**  
**Adjourn**
Conference Information

STATEMENT OF NEED
This CME conference seeks to fulfill the need in practicing health care professionals, particularly, physicians, clinical microbiologists, researchers, nurses, nurse practitioners, pharmacists, and veterinarians to improve the fund of knowledge in the prevention and management of coccidioidomycosis. The conference takes place approximately once in a decade, and will cover genomics, ecology, epidemiology, diagnosis, clinical presentation, treatment as well as pediatric and veterinary aspects of coccidioidomycosis, presented by experts in their field. The conference includes lectures with case studies, workshop sessions, panel discussion and an opportunity to engage in Q&A sessions with faculty.

TARGET AUDIENCE
This is an international program, designed for:
- Health care professionals specializing in prevention and management of Coccidioidomycosis
- Physicians in all specialties
- Clinical Microbiologists
- Researchers
- Registered Nurses
- Nurse Practitioners
- Pharmacists
- Veterinarians

LEARNING OBJECTIVES
At the conclusion of this activity, learners will be able to:
- Define the sites where coccidioides may be found in the environment
- Recognize the genomic tests for speciation and identification of coccidioidomycosis causative agents
- Discuss the recent increases in coccidioidomycosis in certain geographic areas
- Describe environmental risk factors for acquiring coccidioidomycosis
- Identify patient risk factors for increased severity for coccidioidomycosis
- Evaluate the various tests to diagnose and monitor coccidioidomycosis and select the best method for your patient
- Manage patients with coccidioidomycosis by recognizing how therapy may differ among various patient risk groups and taking in account the available antifungal agents and their use
- Discuss how certain immune deficits and mutations are related to increased severity of coccidioidomycosis
- Recognize how coccidiodes may be pathogen rather than saprophyte

ACCREDITATION
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
The Stanford University School of Medicine designates this live activity for a maximum of 24.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements; as long as the course is certified for AMA PRA Category 1 Credit™ (rn.ca.gov). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

COMMERCIAL SUPPORT ACKNOWLEDGEMENT
This CME activity is supported in part by educational grants. A complete list of commercial supporters will be published in the course syllabus.

Registration

REGISTRATION
Registration fee includes course materials, certificate of participation, breakfast, lunch, and conference materials. An additional fee applies for those who wish to attend the Friday special reception.

Register online with a Visa or Master Card by visiting cme.stanford.edu/icm. If you prefer to pay by check or need assistance, please call (650) 497-8554 or email stanfordcme@stanford.edu. Be sure to register with an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

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<th>ATTENDEE TYPE</th>
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<tr>
<td>Physician/NP/RN</td>
<td>$475</td>
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<tr>
<td>All Others</td>
<td>$225</td>
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<td>Reception (LKSC lawn)</td>
<td>$50/ pp.</td>
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CANCELLATION POLICY
Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to stanfordcme@stanford.edu.

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

CONFERENCE LOCATION
Li Ka Shing Center for Learning and Knowledge
291 Campus Drive, 2nd Floor Conference Center
Stanford, California 94305
conferencecenter.stanford.edu

ACCOMMODATIONS
Sheraton Palo Alto
615 El Camino Real, Palo Alto, 650-328-2800

Please register early – space is limited • Register online at cme.stanford.edu/icm

Traditional King or 2 Doubles: 8/9-8/10 – $349/night (+ taxes)
8/11-8/12 – $129/night (+ taxes)

Cardinal Hotel
235 Hamilton Avenue, Palo Alto, 650-323-5101
Reference “International Coccidioidomycosis Meeting (ICM)” when booking.
Book by 7/10.
Queen, 2 Double, King, and Deluxe King: 8/9-8/10 – $279-$319/night (+ taxes)
8/11-8/12 – $159-$189/night (+ taxes)

Stanford Guest House
2575 Sand Hill Road, Menlo Park, 650-926-2800
Standard Queen 8/9-8/12 – $155/night

VISITOR INFORMATION
The Stanford campus offers a wealth of sightseeing and educational opportunities for tourists and first-time visitors. Learn more at visit.stanford.edu.

CONTACT INFORMATION
For questions about the symposium, please contact Yolanda Cervantes, CME Conference Coordinator, (650) 724-9549 or email ycervant@stanford.edu

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Stanford University School of Medicine is committed to ensuring that its programs, services, goods and facilities are accessible to individuals with disabilities as specified under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amendments Act of 2008. If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.