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

7th International Coccidioidomycosis Symposium

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
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
- Immunity
- 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

Faculty

**Course Directors**

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

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

**Course Co-Directors**

- **Cody Alcott, DVM, DACVIM**  
  Medical Director, Neurology & Neurosurgery  
  Veterinary Specialty Center of Tucson

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

**Faculty**

- **Eduardo G. Arathoon-Peréz, MD**  
  Asociación de Salud Integral  
  Guatemala City, Guatemala

- **Wassim M. Ballan, MD**  
  Clinical Assistant Professor  
  University of Arizona College of Medicine, Phoenix

- **Bridget Barker, PhD**  
  Center Director and Assistant Professor  
  Northern Arizona Center For Valley Fever Research  
  TGen North

- **Janis Blair, MD**  
  Professor of Medicine  
  Mayo Clinic Arizona

- **Herbert Boro, MD, FACP**  
  Infectious Disease Clinician, retired  
  Program Chair, Cocci Study Group  
  Fresno, CA

- **Cristina Canteros, MD**  
  Jefa de Servicio Micosis Profundas  
  Departamento Micologia  
  INEI-ANLIS "Dr Carlos G. Malbrán"  
  Buenos Aires, Argentina

- **Antonino Catanzaro, MD**  
  Professor of Medicine  
  University of California at San Diego

- **Vishnu Chaturvedi, PhD**  
  Director of the Microbial Disease Laboratory  
  California Department of Public Health

- **Tom Chiller, MD, MPHMT**  
  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

- **Nancy A. Chow, PhD**  
  Mycotic Diseases Branch  
  Centers for Disease Control and Prevention

- **Karl V. Clemens, PhD**  
  Senior Research Scientist (retired)  
  California Institute for Medical Research

- **Gail Sondermeyer Cooksey, MPH**  
  Infectious Diseases Branch  
  California Department of Public Health

- **Marie A. de Perio, MD**  
  National Institute for Occupational Safety and Health  
  Centers for Disease Control and Prevention

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

- **Autumn P. Davidson, DVM**  
  Staff Veterinarian  
  School of Veterinary Medicine  
  University of California at Davis

- **Dennis M. Dixon, PhD**  
  Chief, Bacterial and Mycology Branch  
  Division of Microbiology and Infectious Disease  
  National Institute of Allergy and Infectious Diseases  
  National Institutes of Health

- **Antonino Catanzaro, MD**  
  Professor of Medicine  
  University of California at San Diego

- **Joshua Fierer, MD**  
  Professor of Medicine  
  University of California at San Diego

- **John N. Galgiani, MD**  
  Director, Valley Fever Center for Excellence  
  University of Arizona

- **Francesca Geertsma, MD**  
  Clinical Associate Professor of Pediatrics  
  Stanford University

- **Thomas E. Grys, PhD**  
  Assistant Professor of Laboratory Medicine and Pathology  
  Mayo Clinic Arizona

- **Amy Hsu, BA**  
  Biologist, Laboratory of Clinical Infectious Diseases  
  National Institute of Allergy and Infectious Diseases (NIAID)  
  National Institutes of Health (NIH)

- **Chiung-Yu Hung, PhD**  
  Assistant Professor of Research  
  University of Texas at San Antonio

Please register early – space is limited
Royce Johnson, MD, FACP  
Chief, Infectious Disease  
Kern Medical  
Ken Komatsu, MPH  
Epidemiologist  
Arizona Department of Health Services  
Rafael Laniado-Laborín, MD, MPH  
Clínica de Tuberculosis  
Hospital General de Tijuana, ISESALUD  
Tijuana, Baja California, Mexico  
Rebecca Laws, PhD, MPH  
Epidemic Intelligence Service Officer  
Centers for Disease Control and Prevention  
California Department of Public Health  
James S. Lewis II, PharmD  
Clinical Pharmacist  
Oregon Health and Sciences University  
Anastasia P. Litvintseva, PhD  
Mycotic Diseases Branch  
National Center for Emerging and Zoonotic Infectious Diseases  
Centers for Disease Control and Prevention  
Kim Lucas, MPH  
Public Health Branch  
California Correctional Health Care Services  
James M. McCarty, MD  
Clinical Professor of Pediatrics  
Stanford University  
Orion Z. McCotter, MPH  
Mycotic Diseases Branch  
Division of Foodborne, Waterborne, and Environmental Diseases  
National Center for Emerging and Zoonotic Infectious Diseases  
Centers for Disease Control and Prevention  
Stephen A. McCurdy, MD, MPH  
Director, UC Davis Master of Public Health Program  
Vice Chair and Professor, Department of Public Health  
University of California at Davis  
Laurence F. Mirels, MD  
California Institute for Medical Research  
John Moua, MD  
Assistant Clinical Professor  
Pediatric Surgery  
University of California San Francisco – Fresno  
Raquel Muñiz-Salazar, PhD  
Professor, Molecular Epidemiology of Infectious Diseases  
Laboratory of Epidemiology and Molecular Ecology  
Universidad Autónoma de Baja California  
Ensenada, Baja California, Mexico  
David E. Nix, PharmD  
Professor, Pharmacy Practice and Science  
College of Pharmacy  
University of Arizona  
Hanna Oltean, MPH  
Zoonotic Disease Epidemiologist  
Washington State Department of Health  
Marc J. Orbach, PhD  
Professor, Plant Sciences  
University of Arizona  
Demosthenes Pappagianis, MD, PhD  
Professor of Microbiology and Immunology  
University of California at Davis  
Thomas F. Patterson, MD, FACP, FIDSA  
Chief, Division of Infectious Diseases  
Director, San Antonio Center for Medical Mycology  
The University of Texas Health Science Center at San Antonio  
Luis Adrian Rendón-Pérez, MD  
Professor, Department of Medicine  
Autonomous University of Neo Léon  
Neuo Léon, Mexico  
Merixtell Riquelme, PhD  
Research Professor, Department of Microbiology  
Center for Scientific Research and Higher Education of Ensenada (CICESE)  
Ensenada, Baja California  
Michael Saubolle, PhD  
Clinical Associate Professor  
University of Arizona College of Medicine – Phoenix  
Lisa Shubitz, DVM  
Associate Research Professor  
School of Animal and Comparative Biomedical Sciences  
University of Arizona  
Anita Sil, MD, PhD  
Professor of Microbiology and Immunology  
University of California at San Francisco  
Carol Sipan, RN, MPH, PhD  
School of Social Sciences, Humanities and Arts  
University of California at Merced  
David A. Stevens, MD  
Professor of Medicine  
Stanford University  
Rebecca Sunenshine, MD  
Medical Director  
Disease Control Division  
Maricopa County Department of Public Health  
Jane E. Sykes, BVSc (Hons), PhD, DACVIM (SAIM)  
Director, Small Animal Clinical Services  
School of Veterinary Medicine  
University of California Davis  
John Taylor, PhD  
Professor of Plant and Microbial Biology  
University of California at Berkeley  
George Thompson III, MD  
Associate Professor of Medicine  
University of California at Davis  
Jason A. Wilkin, PhD  
Epidemiologist  
California Department of Public Health  
Duc J. Vugia, MD, MPH  
Chief, Infectious Diseases Branch  
California Department of Public Health  

Register online at cme.stanford.edu/icm
Program (subject to change)

Thursday – August 10th
8:00 – 9:00 AM Breakfast and Registration
9:00 – 11:00 Workshop 1: Genetic Manipulation and Isolation of Coccidioides
  Bridget Barker, Nancy Chow, and Marc Orbach
9:00 – 11:00 Workshop 2: Clinical Laboratory Safety
  Vishnu Chaturvedi and Karl Clemons
9:00 – 11:00 Workshop 3: Understanding the Diagnostics of Coccidioidomycosis
  Thomas Grys, Demosthenes Pappagianis, and Mike Saubolle
11:00 – 12:30 Lunch
12:30 – 1:00 Opening of Conference
Introduction by Neil M. Ampel
History of Coccidioidomycosis by Stan Deresinski
1:00 – 3:00 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 – Meribeth Rikelme
3:00 – 3:30 Break
3:30 – 5:30 Clinical Presentations of Coccidioidomycosis
  Convener: Susan Hoover and Rafael Laniado
  Panel: Janis Blair, Antonino Catanazaro, John N. Galgiani, Royce Johnson, and Laurence F. Mirels
5:30 PM Adjourn

Friday – August 11th
7:00 – 8:00 AM Breakfast
8:00 – 10:00 Epidemiology and Public Health
  Convener: Orion McCotter and Rebecca Sunenshine
  • Overview of the National Epidemiology – Orion McCotter
  • Coccidioidomycosis in Arizona – Ken Komatsu
  • Coccidioidomycosis in California – Gail Sonderneyer Cooksey; Duc Vugia
  • Coccidioidomycosis in Washington State – Hanna Oltman
  • Genomic Epidemiology – David Engelthaler
10:00 – 10:30 Break and Poster 1 – Viewing
10:30 – 12:30 Treatment and Pharmacology
  Convener: George Thompson III
  • New Therapies for Coccidioidomycosis – Thomas Patterson
  • Pharmacology of Newer Antifungals – James Lewis
  • Adverse Effects, Drug Interactions and Dosing Issues – David Nix
12:30 – 1:30 Lunch and Poster 1 – Viewing
1:30 – 3:30 Pediatric Coccidioidomycosis
  Convener: Francesca Geertmsa and James McCarty
  • Coccidioidomycosis: Perspective from a Pediatric Pulmonologist – John Moua
  • Coccidioidomycosis: The Pediatric Experience in Phoenix, AZ – Wassim Ballan
  • Coccidioidomycosis in Children in California – Gail Sonderneyer Cooksey
3:30 – 4:00 Break and Poster 1 – Viewing
4:00 – 5:30 Veterinary Coccidioidomycosis
  Convener: Autumn Davidson and Lisa Shubitz
  • Treatment of Coccidioidomycosis in Dogs and Cats – Lisa Shubitz
  • CNS Manifestations of Coccidioidomycosis in Dogs and Cats – Cody Alcott
  • Comparative Aspects of Canine and Human Coccidioidomycosis – Jane Sykes
5:30 Adjourn
6:00 – 8:30 PM All Participant Reception

Saturday – August 12th
7:00 – 8:00 AM Breakfast
8:00 – 10:00 Coccidioidomycosis in Latin American
  Conveners: Eduardo Arathoon and Rafael Laniado
  • Coccidioidomycosis in Mexico – Rafael Laniado-Laborín
  • Coccidioidomycosis Research in Mexico – Raquel Muñiz-Salazar
  • Coccidioidomycosis and Tuberculosis: Differential Diagnosis – Luis Adrian Rendón-Pérez
  • Coccidioidomycosis in Central America – Eduardo Arathoon-Peréz
  • Coccidioidomycosis in South America – Cristina Canteros
10:00 – 10:30 Break and Poster 2 – Viewing
10:30 – 12:30 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 – Chiung-Yu Hung
12:30 – 1:00 Lunch
1:00 – 1:30 Update from CDC – Tom Chiller
  No CME
1:30 – 2:30 Update from NIH – Dennis Dixon
  No CME
2:30 – 3:00 Special Lecture – Introduction by Neil M. Ampel
What is the Life Cycle of Coccidioides? – John Taylor
3:00 – 5:00 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 Adjourn
7:00 – 9:30 PM Faculty Dinner and Awards Ceremony

Sunday – August 13th
7:30 – 8:30 AM Breakfast
8:30 – 10:00 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 Panel Discussion of the New Coccidioidomycosis Guidelines
  Convener: John Galgiani
  Panel: Neil Ampel, Janis Blair, Antonino Catanzaro, Francesca Geertmsa, 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

REGISTRATION
Registration fee includes course materials, certificate of participation, breakfast, lunch, and conference materials.

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.

ATTENDEE TYPE FEES
Physician/NP/RN $475
All Others $225

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 that event the full registration fee will be refunded. If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.

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

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
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 8/9-8/10 – $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.

Stanford Center for Continuing Medical Education
1520 Page Mill Road, Palo Alto, CA 94304
Phone: (650) 497-8554 • Email: stanfordcme@stanford.edu • Web: cme.stanford.edu

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CREDITS

- 24.50 AMA PRA Category 1 Credits™
- 22.50 AAMA PRA Category 1 Credits™
- 20.50 AAMA PRA Category 1 Credits™

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.

ACCREDITATION
The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education ( ACCME) 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.