

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



Sponsored by the Stanford University School of Medicine



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

Welcome message from the course directors

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 of Medicine
Stanford University*

Neil M. Ampel, MD

*Professor of Medicine
University of Arizona*

Faculty

Course Directors

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*Herbert Boro, MD, FACP
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National Center for Emerging
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Centers for Disease Control and Prevention
Non-CME Speaker*

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*Mycotic Diseases Branch
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Non-Speaking Convener*

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Non-Speaking Convener*

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*Biologist, Laboratory of Clinical Infectious Diseases
National Institute of Allergy and Infectious Diseases
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*Assistant Professor of Research
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Please register early – space is limited

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Kern Medical

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Maricopa County Department of Public Health

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Professor of Plant and Microbial Biology
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George Thompson III, MD

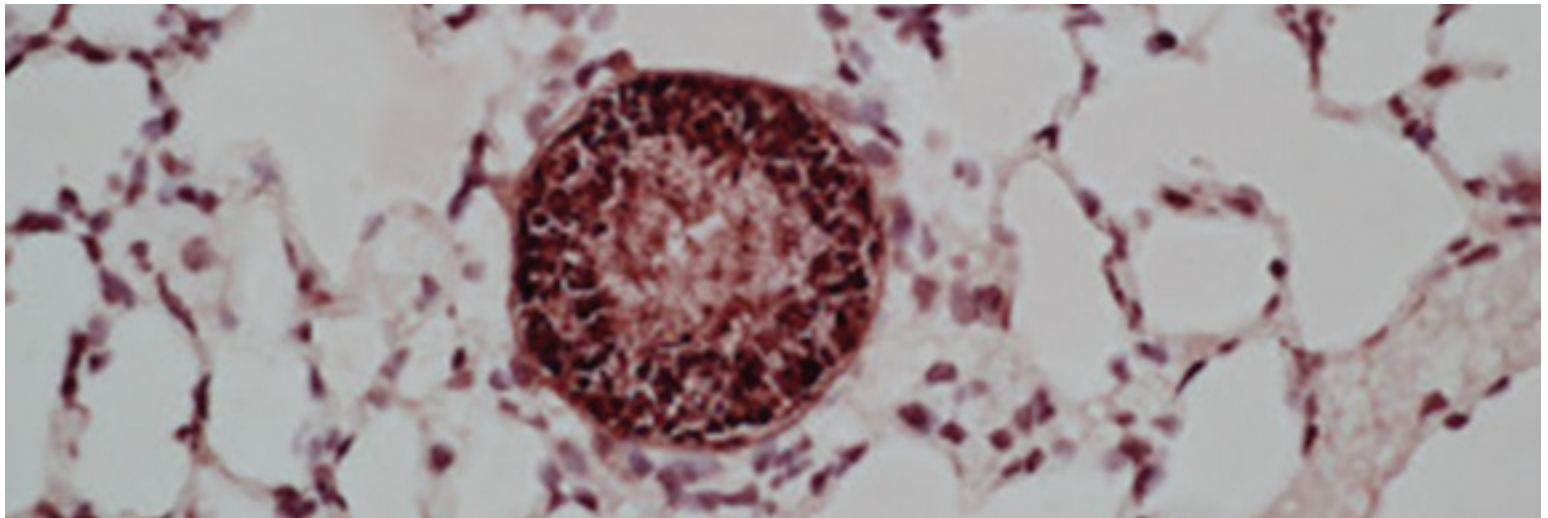
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University of California at Davis

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Epidemiologist
California Department of Public Health

Duc J. Vugia, MD, MPH

Chief, Infectious Diseases Branch
California Department of Public Health



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 Gryg, 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 – Meritxell Riquelme

3:00 – 3:30 **Break**

3:30 – 5:30 **Clinical Presentations of Coccidioidomycosis**

Conveners: 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**

Conveners: Orion McCotter and Rebecca Sunenshine

- Overview of the National Epidemiology – Orion McCotter
- Coccidioidomycosis in Arizona – Ken Komatsu
- Coccidioidomycosis in California – Gail Sondermeyer Cooksey; Duc Vugia
- Coccidioidomycosis in Washington State – Hanna Oltean
- 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**

Conveners: Francesca Geertsma 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 Sondermeyer Cooksey

3:30 – 4:00 **Break and Poster 1 – Viewing**

4:00 – 5:30 **Veterinary Coccidioidomycosis**

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

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 Muñoz-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

Update from NIH – Dennis Dixon

No CME

1:30 – 2:30 **Special Lecture – Introduction by Neil M. Ampel**

What is the Life Cycle of Coccidioides? – John Taylor

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

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**

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 Catanazaro, 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 coccidioides may be pathogen rather than saprophyte

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.

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.

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

OPTIONAL

Reception (LKSC lawn) \$50/pp. Open to conference registrants and their guests.

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

Reference "ICM2017" when booking. Book by 7/10.

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

Reference "ICM2017" when booking. Book by 6/10.

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.

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