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



Sponsored by the Stanford University School of Medicine



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

Stan Deresinski MD

Clinical Professor, Medicine Division of Infectious Diseases Stanford University

Course Director

Neil M. Ampel, MD

Professor of Medicine University of Arizona Course Co-Director

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Center Director and Assistant Professor Northern Arizona Center For Valley Fever Research TGen North

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Professor of Medicine

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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

Non-CME Speaker

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Centers for Disease Control and Prevention

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Senior Research Scientist (retired)
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Clinical Professor, Medicine Division of Infectious Diseases Stanford University Course Director

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Non-Speaking Convener **Dennis M. Dixon, PhD**

Chief, Bacterial and Mycology Branch Divsion of Microbiology and Infectious Disease National Institute of Allergy and Infectious Diseases National Institutes of Health

Non-CME Speaker

David Engelthaler, PhD

Director of Programs and Operations TGen North

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John N. Galgiani, MD

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Francesca Geertsma, MD

Clinical Associate Professor of Pediatrics Stanford University

Non-Speaking Convener

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Assistant Professor of Laboratory Medicine and Pathology

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Anastasia P. Litvintseva, PhD

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Clinical Professor of Pediatrics Stanford University

Orion Z. McCotter, MPH

Mycotic Diseases Branch

Division of Foodborne, Waterborne, and

Environmental Diseases

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Zoonotic Disease Epidemiologist Washington State Department of Health

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Professor, Plant Sciences University of Arizona

Demosthenes Pappagianis, MD, PhD

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Chief, Division of Infectious Diseases

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School of Social Sciences, Humanities and Arts University of California at Merced

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Professor of Medicine Stanford University

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Medical Director

Disease Control Division

Maricopa County Department of Public Health

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Professor of Plant and Microbial Biology University of California at Berkeley

Elitza Theel, PhD

Assistant Professor of Laboratory and Medicine and Pathology

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George Thompson III, MD

Associate Professor of Medicine University of California at Davis

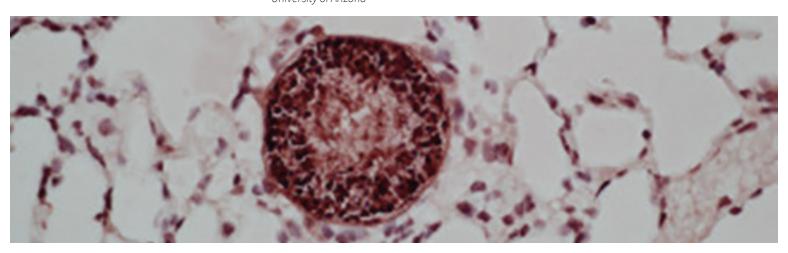
Jason A. Wilkin, PhD

Epidemiologist

California Department of Public Health

Duc J. Vugia, MD, MPH

Chief, Infectious Diseases Branch California Department of Public Health



Program (subject to change)

9:00 - 11:00	ay – August 10th Saturday – August 12th		
	Breakfast and Registration	7:00 – 8:00 AM	
	Workshop 1: Isolation and Identification of Coccidioides from the Soil Bridget Barker, Nancy Chow, and Marc Orbach	8:00 – 10:00	Coccidioidomycosisin in Latin American Conveners: Eduardo Arathoon and Rafael Laniado • Coccidioidomycosis in Mexico – Rafael Laniado-Laborín
	Workshop 2: Clinical Laboratory Safety Vishnu Chaturvedi and Karl Clemons		Coccidioidomycosis Research in Mexico Raquel Muñiz-Salazar
	Workshop 3: Understanding the Diagnostics of Coccidioidomycosis Thomas Grys, Demosthenes Pappagianis, and Mike Saubolle		 Coccidioidomycosis and Tuberculosis: Differential Diagnosis – Luís Adrian Rendón-Pérez Coccidioidomycosis in Central America – Eduardo Arathoon-Peréz
11:00 – 12:30	Lunch		• Coccidioidomycosis in South America – Cristina Canteros
12:30 - 1:00	Opening of Conference	10:00 - 10:30	Break and Poster 2 – Viewing
	Introduction by Neil M. Ampel	10:30 - 12:30	
	History of Coccidioidomycosis by Stan Deresinski	10.00 12.00	Convener: Joshua Fierer
1:00 - 3:00	Fungal Ecology & Genomics		Animal Models of occidioidomycosis – Joshua Fierer
	Convener: Bridget Barker • Coccidioides Population Genomics – Bridget Barker		 Mendelian Mutations and Susceptibility to Cocccidioidomycosis – Amy Hsu
	 Analysis of Soils in Washington State and Oregon Ana Litvintseva Coccidioides in Soil and Rodents in Mexico – Meritxell Riquelme 		 Histoplasma and Coccidioides – Anita Sil Determinants of a Vaccine for ccidioidomycosis Chiung-Yu Hung
3:00 – 3:30	Break	12:30 - 1:00	Lunch
	Clinical Presentations of Coccidioidomycosis Conveners: Susan Hoover and Rafael Laniado	1:00 – 1:30	Update from CDC – Tom Chiller No CME
	Panel: Janis Blair, Antonino Catanazaro, John N. Galgiani, Royce Johnson, and Larry Mirels		Update from NIH – Dennis Dixon No CME
	Adjourn	1:30 - 2:30	Special Lecture – Introduction by Neil M. Ampel
Friday – Augu		2.20 2.00	What is the Life Cycle of Coccidioides? – John Taylor
7:00 – 8:00 AM		2:30 – 3:00	Break and Poster 2 - Viewing
	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	3:00 – 5:00	Coccidioidomycosis in Compromised Hosts Convener: Janis Blair
	Genomic Epidemiology – David Engelthaler	5:00	Adjourn
10:00 - 10:30	Break and Poster 1 – Viewing	7:00 - 9:30 PM	Faculty Dinner and Awards Ceremony
	Treatment and Pharmacology	Sunday – Au	
	Convener: George Thompson III	-	•
	• New Therapies for Coccidioidomycosis – Thomas Patterson	7:30 – 8:30 AM	
	Pharmacology of Newer Antifungals – James LewisAdverse Effects, Drug Interactions and Dosing Issues	8:30 – 10:00	Occupational Health Convener: Marie de Perio • Occupational Coccidioidomycosis Surveillance
	– David Nix		- Marie de Perio
	Lunch and Poster 1 – Viewing		Recent Occupational Coccidioidomycosis Investigations
	Pediatric Coccidioidomycosis Conveners: Francesca Geertsma and James McCarty • Coccidioidomycosis: Perspective from a Pediatric		and Education Efforts in California – Jason Wilken Occupation and Industry Data in Coccidioidomycosis- Associated Deaths in California – Rebecca Laws
	Pulmonologist – John Moua Coccidioidomycosis: The Pediatric Experience in Phoenix, AZ – Wassim Ballan		 A Case-Control Study of Coccidioidomycosis Among Hispanic Farm Workers in Kern County, CA
	 Coccidioidomycosis in Children in California Gail Sondermeyer Cooksey 		 Stephen A. McCurdy Knowledge, Attitudes, Beliefs and Behaviors Regarding Coccidioidomycosis Among California Hispanic Farm
3:30 – 4:00	Break and Poster 1 – Viewing		Workers – Carol Sipan
4:00 - 5:30	Veterinary Coccidioidomycosis	10:00 - 12:00	Panel Discussion of the New Coccidioidomycosis
	Conveners: Autumn Davidson and Lisa Shubitz • Treatment of Coccidioidomycosis in Dogs and Cats – Lisa Shubitz		Guidelines Convener: John Galgiani Panel: Neil Ampel, Janis Blair, Antonino Catanzaro,
	 CNS Manifestations of Coccidioidomycosis in Dogs and 		Francesca Geertsma, Susan Hoover, Royce Johnson,
		12:00 PM	

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 (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* $^{\text{TM}}$. 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.

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 **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 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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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.