COCCI STUDY GROUP 58TH ANNUAL MEETING
AGENDA
PHOENIX, ARIZONA
April 5, 2014

7:00-8:00 A.M.  Breakfast, Registration, Poster Set-up
8:00-5:00 P.M.  Poster Visitation Available - Hosted in Foyer

List of Posters by Title and Authorship
1. Pilot-Project: Attempt to inhibit the growth of *Coccidioides immitis* in its natural habitat by a bacterial antagonist
   Joe Baal, Derrick Chung-Sang, Abdelhamid Dalia, Julie Asato, Kiefer Rodriguez and Antje Lauer
   Michael Mac Lean
3. Demonstration of *Coccidioides immitis* and *Coccidioides posadasii* DNA in soil samples collected from Dinosaur National Monument, Utah
   Suzanne M. Johnson, Erin L. Carlson, Frederick S. Fisher and Demosthenes Pappagianis
4. Detection of *Coccidioides immitis* growth sites in the Antelope Valley Area, California
   Yvette Sanchez, Erica Mullins, Gurleen Kaur and Antje Lauer
5. Development of a comprehensive rehabilitation program for patients convalescing from primary coccidioidal pneumonia
   Capone BL, Januszewski C, Nelson C, Galgiani JN.
6. Zero Incidence of Coccidioidomycosis in Liver Transplant Recipients after Institution of Universal Prophylaxis
   Allon Kahn, Elizabeth J Carey and Janis E Blair
7. Comparison of Nikkomycin Z Bioavailability after Single Dose Administration under Fed and Fasting Conditions
   Kathryn R. Matthias, David E. Nix, Susan Hoover, John N. Galgiani
8. Establishing a Low-Cost, High-Throughput Screening Assay for Compounds Efficacious Against the Fungus *Coccidioides*, the Causative Agent of Valley Fever
9. *Coccidioides* Exposures and Coccidioidomycosis Infections among Prison Employees in California
   Marie A. de Perio, Gregory A. Burr
10. Novel IL-12Rβ2 Mutation Associated with Disseminated Coccidioidomycosis
    Mary E. Hanks, Amy P. Hsu, Uimook Choi, Brandon Sickle, Prabha Chandrasekaran, Un-In Wu, Christine D. Spalding, Gulbu Uzel, Alexandra F. Freeman, Harry L. Malech, Christa S. Zerbe, Steven M. Holland, Elizabeth P. Sampaio
11. The avirulent *C. posadasii* *cps1* mutant has great potential as an attenuated vaccine
    Marc J. Orbach, Lisa F. Shubitz, Hema Narra, M. Alejandra Mandel and Hien Trinh
12. **Coccidioides Real Time PCR using the BD MAX**  
Marilyn Mitchell, Dominic Dizon, Robert Libke, Michael Peterson, David Slater, Akashdeep Dhillon

13. **Development of a proteomic-based diagnostic tool for Valley Fever infection through the isolation and identification of *Coccidioides* proteins detectable in blood plasma**  
Jenck, A., D. Lake, and R. U. Halden

14. **Estimating the Effect of Implementing a Screening Skin Test to Reduce Valley Fever at Highly Endemic Prisons in California**  
Anne E. Purfield, Kaitlin Benedict, Brian Yablon, Charlotte Wheeler, Janet Mohle-Boetani, Benjamin J. Park

15. **Coccidioides immitis Infection in Total Knee Arthroplasty in Non-endemic Regions: a Report of the First Case in Spain**  
Arbeloa, Lucas with Kuberski, Tim (by proxy)

16. **California Valley Fever Network**  
Erin Gaab

8:00-8:15 A.M.  
**Convene Meeting/Introductions/Poster logistics/Amenities**  
Antonino Catanzaro, Suzanne Johnson, Peter Kelly, Rebecca Sunenshine

8:15–8:50 A.M.  
**Steven Holland, M.D.**  
8:15 The Human Genetics of Disseminated Coccidioidomycosis

8:50-9:50 A.M.  
**Clinical Science**  
**Moderator: Janis Blair**

8:50 Pericardial Dissemination of Coccidioidomycosis, A Case Review Study  
Heidari, Arash, Johnson, Royce, Cohen, Avi, Sanchez, Negin.

9:05 Surgical pathology of pleural coccidioidomycosis: a clinicopathological study of 36 cases  
Tatyana A. Shekhel, Robert W. Ricciotti, Janis E. Blair, Thomas V. Colby, Richard E. Sobonya, Brandon T. Larsen

9:20 Assessing outdoor exposure as a risk factor for valley fever among inmates at two prisons in highly endemic areas of California  
Anne E. Purfield, Kaitlin Benedict, Brian Yablon, Charlotte Wheeler, Janet Mohle-Boetani, Benjamin J. Park

9:35 Disseminated Coccidioidomycosis: Risk Factors and Review of the Literature  
Camila Odio and Steven M. Holland

9:50-10:15 A.M.  
**Poster Visitation/Break**  
**Moderator: Suzanne Johnson**

Posters 1-8
10:15-11:45 A.M.  Ecology and Epidemiology
Moderator: David Engelthaler

10:15  Molecular detection and isolation of *Coccidioides immitis* from soil in Washington State
Steven Hurst, Lalitha Gade, Nicola Marsden-Haug, David Engelthaler, Heather Hill, Cindy Ralston, Marcia Goldoft, Tom Chiller, Mary Brandt and Anastasia Litvintseva

10:30  The Binational Project improving the Diagnosis, Surveillance, and Treatment of Coccidioidomycosis in the Border Region of “Four Corners” Arizona-Sonora and New Mexico-Chihuahua
Dra Nubia Hernandez, Orion McCotter, Katherine Perez-Locket, Mariana Casal, Cristhian Tapia, Paul Dulin, Robert Guerrero, Dr. Gumaro Barrios, Dr Francisco Navarro Galvez, Olvera Alba Sergio, QC Rosario Aguayo, Marta Alicia Bueno, Chad Smelzer, Cesar Vera, Gloria Carrete, Ken Komatsu

10:45  *Coccidioides spp* Antibodies in Domestic Dogs and Wild Rodents in Mexico

11:00  The impact of changing laboratory reporting and testing practices on the epidemiology of coccidioidomycosis in Arizona, 2008 - 2013
Mohammed Khan, Clarisse Tsang

11:15  The Epidemiology of coccidioidomycosis in southern Arizona
Mohammed Alzoubaidi, Orion McCotter, Catherine Golenko, and Neil M. Ampel

11:30  Conducting a study on the economic burden of Valley Fever in California: results and lessons learned
Jie Ting, Harold Lin, Paul Brown, Leslie Wilson

11:45-12:45 P.M.  Lunch

12:45-1:00 P.M.  Dennis Dixon, Ph.D.

12:45  Coccidioidomycosis and the NIH: Past, Present and Future

1:00-1:15 P.M.  Business Meeting, Cocci Study Group
Moderator: A. Catanzaro, Chair, CSG

Bylaws/Voting: U.C., Merced proposal to host 59th meeting; 59th meeting date choices of March 21, 28 and April 11, 18 (Easter is Sunday, Apr. 5 and Passover is Apr. 3-11); Stewart Nielson/Skin Tests; Royce Johnson/Treasury Report; Herbert Boro/Program - duration of meeting vs. concurrent sessions/Poster presentations with abstract overload
1:15-3:00 P.M.  Laboratory and Experimental Science  
Moderator: Karl Clemons

1:15  Whole blood cytokine patterns after in vitro antigen stimulation among patients with various types of coccidioidomycosis  
Chinh T. Nguyen, Lance Nesbit, Suzanne Johnson, Demosthenes Pappagianis, and Neil M. Ampel

1:30  Th17 immunity is essential for optimal protection against Coccidioides infection  
Chiung-Yu Hung, Natalia Castro-Lopez, Gary Ostroff, Tao Peng, John Galgiani, and Garry T. Cole

1:45  IL-8 receptor and resistance to C. immitis Infection  
Joshua Fierer, Suganya Viriyakosol, Lorraine Walls, Sharon Okamoto

2:00  A Survey of Lectin Reactivity to Coccidioides in Infected Human Lung Tissue  
Yasmynn Chowdhury, Setu Kaushal, Tom Grys, Janis A. Blair, Yvette Ruiz, D. Mitchell Magee, Thomas V. Colby and Douglas F. Lake

2:15  Screening spherule cell walls for protective vaccine antigens  

2:30  VT-1161, a Novel Fungal CYP51 Inhibitor, Improved Survival in a Murine Model of Coccidioidal Meningitis  
Shubitz, LF, Trinh, HT, Galgiani, JN, Lewis, ML, Garvey, EP, Hoekstra, WJ, Moore, WR, Schotzinger, RJ

2:45  Hybridization and Introgression among species of Coccidioides  
Bridget Barker, Eric Lewis

3:00-3:30 P.M.  Poster Visitation/Break  
Moderator: Suzanne Johnson

Posters 9-16

3:30-4:00 P.M.  Poster Forum - Questions and Answers  
Moderator: Suzanne Johnson

4:00-5:00 P.M.  Clinical Science  
Moderator: Neil Ampel

4:00  Differentiating Lung Nodules due to Coccidioidomycosis from Lung Cancer using Clinical and Radiographic Features  
Reza Ronaghi, Ali Rashidian, Paul Mills, Michael W. Peterson

4:15  Serum Procalcitonin Levels in Acute Coccidioidomycosis Infections  
4:30 Multi-center Laboratory Investigation of Coccidioidomycosis EIA Reproducibility in Patients with Confirmed Disease and Controls
Soofia Khan, MD; Rebecca Sunenshine, MD; Mike Saubolle, PhD, DABMM; Frank Ryan, Ph.D., DABCC; Arash Heidari, MD; Kelly Barbian, MT; Megan Eguchi, MPH; Orion McCotter, MPH; Kenneth Komatsu, MPH; Benjamin J Park, MD; Mike V Lancaster, PhD

4:45 Incidence and severity of coccidioidomycosis in subjects receiving corticosteroids, DMARDs or anti-TNF-α therapy
Mohammad Fazel, Emily McGlamery, and Neil M. Ampel

5:00 P.M. Concluding Remarks
Antonino Catanzaro

7:00 P.M. Dinner at Canyon Café (by reservation)
Peter Kelly and Rebecca Sunenshine

Cocci Study Group Program Committee
Herbert Boro – Chair
Karl Clemons
David Engelthaler
Suzanne Johnson

2014 Cocci Study Group Hosts
Peter Kelly
Rebecca Sunenshine

Maricopa County Department of Public Health
Lia Koski
Jamie Wells

Arizona Department of Health Services
Mohammed Khan
Clarisse Tsang

Cocci Study Group Board of Directors
Neil Ampel – Chair-elect
Janis Blair
Herbert Boro
Antonino Catanzaro - Chair
Autumn Davidson
Jessica Einstein
Rafael Laniado-Laborin
Royce Johnson
Rebecca Sunenshine

CSG Satellite Meeting: “Coccidioides in the Soil”

Directors: Bridget Barker and David Engelthaler
Sign-up: at CSG meeting April 5
Fee: no fee for registered attendees at the CSG meeting
Time: 10:00-12:00 noon on Sunday, April 6, 2014
Location: TGen HQ (next to the Phoenix Biomedical Campus)