COCCI STUDY GROUP 60TH ANNUAL MEETING
AGENDA
Fresno, California
April 8-9, 2016

7:00-8:00 A.M. Breakfast, Registration, Poster Set-up

8:00-5:00 P.M. Poster Visitation - Hosted in Foyer
Moderator: Susan Hoover
List of Posters by Title and Authorship

- APPROACH TO TUMOR NECROSIS FACTOR-α INHIBITOR RECIPIENTS OR CANDIDATES WITH VARIOUS MANIFESTATIONS OF COCCIDIOIDOMYCOSIS
  Garrett A, Cha S, Wack E, and Blair J

- INTEGRATIVE MEDICINE PREFERENCES AMONG COCCIDIOIDOMYCOSIS PATIENTS
  Short J, Bradley C, Millstine D, Stewart T, Burns M, Patron R, Blair J

- VERTEBRAL COCCIDIOIDOMYCOSIS: A CHALLENGING CASE IN AN IMMUNOCOMPETENT PATIENT
  Alynbiawi A, Stockamp N

- THE UTILITY OF USING REAL-TIME PCR IN THE DETECTION OF COCCIDIOIDES IMMITIS IN THE CLINICAL SETTING AT THE CENTRAL CALIFORNIA SAN JOAQUIN VALLEY

- EVIDENCE COCCIDIOIDES CAN CAUSE SARCOIDOSIS IN ARIZONA
  Yourison I, Kuberski T

- CURE OF COCCIDIOIDAL MENINGITIS: A CASE REPORT
  Kuberski T

- ADJUNCTIVE USE OF SERTRALINE IN A PATIENT WITH REFRACTORY COCCIDIOIDAL MENINGITIS
  Thu Y, Roshan B, Mu A, Nassar N, Libke R, Stockamp N

- SERTRALINE DEMONSTRATES FUNGICIDAL ACTIVITY AGAINST COCCIDIOIDES IMMITIS IN VITRO
  Paul S, Mortimer R, Mitchell M

- VERTEBRAL COCCIDIOIDOMYCOSIS PRESENTING IN HYPHAL FORM 23 YEARS AFTER AN INITIAL EPISODE OF CUTANEOUS COCCIDIOIDOMYCOSIS.
  Fernandes I, Stockamp N
• CLIMATE DRIVERS AND COCCIDIOIDOMYCOSIS INCIDENCE AT THE REGIONAL SCALE
  Gorris M, Cat L, Randerson J, Treseder K

• TUBERCULOSIS AND DISSEMINATED COCCIDIOIDOMYCOSIS IN A PATIENT WITH MALNUTRITION
  Palma Cortés G, Muñoz Torrico M, Valencia Maqueda E, González Valadez, H, Pérez Brunet B, Cabello Gutiérrez C

• CULTURING COCCIDIOIDES: OPTIMIZING IN VITRO CULTURE MEDIA TO REFLECT NUTRIENT AVAILABILITY IN VIVO
  Mead H, Barker B

• COMPARISON OF COCCIDIOIDES ANTIBODY DETECTION BY THE MIRA VISTA ENZYME IMMUNOASSAY WITH IMMUNODIFFUSION AND COMPLEMENT FIXATION
  Holbrook E, Wheat L

• DISSEMINATED COCCIDIOIDOMYOSIS IN CHILDREN
  Lee J, McCarty J, Dabrowski L, Tablizo M, Graciano A

• DIFFERENTIAL DIAGNOSIS BETWEEN COCCIDIOIDOMYCOSIS AND TUBERCULOSIS: CLINICAL AND EPIDEMIOLOGICAL RISK FACTORS IN A HOSPITAL FOR RESPIRATORY DISEASES IN MEXICO CITY
  Higuera I, Vázquez Manríquez M, González-Valadez J, Palma Cortés G, Cabello Gutiérrez C

• AN AUTOMATED NODULE CALCULATOR FOR DIFFERENTIATING NODULES CAUSED BY LUNG CANCER FROM THOSE CAUSED BY COCCIDIOIDOMYCOSIS

• MOLECULAR ANALYSIS OF CLINICAL ISOLATES OF COCCIDIOIDES SP. FROM MEXICAN PATIENTS

• EPIDEMIOLOGY OF SEVERE COCCIDIOIDOMYCOSIS PNEUMONIA: TWO DECADES IN MEXICO IN THE NATIONAL INSTITUTE OF RESPIRATORY DISEASES "ISMAEL COSIO VILLEGAS"

• PLASMA ELMO3 IN COCCIDIOIDOMYCOSIS
• EXPRESSION OF PLASMA CDKN1A INTERACTING ZINC FINGER PROTEIN 1 VARIANT IN COCCIDIOIDOMYCOSIS

• IDENTIFICATION BY ELISA OF ANTI-COCCIDIOIDES ANTIBODIES IN HUMAN AND DOG POPULATIONS OF ENDEMIC AND NON ENDEMIC AREAS OF COCCIDIOIDOMYCOSIS

• A QUALITATIVE STUDY OF VALLEY FEVER AMONG HISPANIC/LATINO FARMWORKERS IN CALIFORNIA
  Portillo-Silva C

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8:00-8:15 A.M. Convene Meeting/Introductions/Poster Logistics with Susan Hoover/Amenities/D. Stevens in memorium for H. Levine
  Neil Ampel

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8:15-10:00 A.M. Clinical Science
  Moderator: Rafael Laniado-Laborin

• COCCIDIOIDOMYCOSIS IN INFANTS: A RETROSPECTIVE CASE SERIES
  Lee J, Graciano A, Dabrowski L, Kuzmic B, Tablizo M

• UTILITY OF COMBINED ENDOSONOGRAPHY (EBUS & EUS) IN THE DIAGNOSIS OF COCCIDIOIDOMYCOSIS
  Sachdeva M, Almodovar K, Upadhyay D, Peterson M, Hegde P

• IMMUNNE RECONSTITUTION INFLAMMATORY SYNDROME IN PATIENTS WITH AIDS AND DISSEMINATED COCCIDIOIDOMYCOSIS: A CASE SERIES
  Shein T, Mu A, Paul S

• THE UTILITY OF SCREENING FOR COCCIDIOIDOMYCOSIS IN RECIPIENTS OF ANTI-TNF-α THERAPY
  Choi K, Mertz L, Heigh R, Yiannias J, Blair J

• ALOPECIA ASSOCIATED WITH FLUCONAZOLE: EFFECTS ON THE HAIR CYCLE IN A RAT MODEL
• **NOVEL CYP51 INHIBITORS FOR THE TREATMENT OF COCCIDIOIDOMYCOSIS**  
  *Shubitz L, Trinh H, Roy M, Garvey E, Brand S, Hoekstra W, Schotzinger R*

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| 10:00-10:30 A.M. | **Poster Visitation/Break**  
Posters 1-12 and 16 |                                                              |
| 10:30-12:30 A.M. | **Laboratory and Basic Science**  
Moderator: George Thompson III |                                                              |
|               | **APX001-A, A NOVEL ANTIFUNGAL DRUG IS ACTIVE AGAINST COCCIDIOIDES IN VIVO AND IN VITRO**  
Fierer J, Viriyakosol S, Kirkland T, Mutz M |                                                              |
|               | **PERFORMANCE OF COCCIDIOIDOMYCOSIS PCR TESTING IN PATIENTS WITH LUNG NODULES**  
Sachdeva M, Almovidar K, Samuel R, Mills P, Dizon D, Peterson M |                                                              |
|               | **THE AVIRULENT MUTANT STRAIN cps1 PROVIDES LONG TERM SURVIVAL FOLLOWING LETHAL COCCIDIOIDES INFECTION IN MICE**  
Shubitz L, Orbach M, Trinh H, Frelinger J, Galgiani J |                                                              |
|               | **EX VIVO CYTOKINE EXPRESSION IN NEWLY DIAGNOSED COCCIDIOIDOMYCOSIS**  
Ampel N, Robey I, Roller B, Chavez S, Nguyen C, Johnson S, Pappagianis D |                                                              |
|               | **DEVELOPMENT OF AN IMPROVED ANTIBODY DETECTION EIA FOR USE IN IDENTIFICATION OF COCCIDIOIDOMYCOSIS**  
|               | **THE TOTAL AND LECTIN BINDING PROTEOME OF SPHERULIN**  
Lake D, Grys T, Kaushal S, Blair J, Mitchell N, Magee D |                                                              |
|               | **UNDERSTANDING MECHANISMS OF RECOMBINATION IN COCCIDIOIDES**  
Teixeira M, Barker B |                                                              |
|               | **CSF (1,3)-BETA-D-GLUCAN (BG) TESTING IS USEFUL IN DIAGNOSIS OF COCCIDIODAL (COCCY) MENINGITIS (CM)**  
Stevens D, Zhang Y, Finkelman M, Pappagianis D, Clemons K, Martinez M |                                                              |
| 12:30-1:30 P.M. | **Lunch** |                                                              |
1:30-2:15 P.M. Business Meeting, Cocci Study Group
Moderator: Neil Ampel, President, CSG

- Bylaws amendment discussion and vote
- CSG #62 (2018) date, host and vote
- Election for CSG Board Secretary
- CSG 7th International Conference and Symposium at Stanford University campus (2017)/confirm dates
- Treasurer’s report by Herbert Boro for Royce Johnson
- COCCI PNEUMONIA STATUS UPDATE
  Dixon D
- NIKKOMYCIN-Z: STATUS UPDATE AND DEVELOPMENT PLANS
  Larwood D, Galgiani J

2:15-3:15 Ecology and Epidemiology I
Moderator: Tom Chiller

- FACTORS ASSOCIATED WITH COCCIDIOIDOMYCOSIS TESTING AMONG COMMUNITY-AQUIRED PNEUMONIA PATIENTS IN SOUTHERN CALIFORNIA, 2011

- DEMOGRAPHIC CHARACTERISTICS AND INSTITUTIONAL AND COMMUNITY EXPOSURES AMONG CALIFORNIA STATE PRISON INMATES WITH POSITIVE COCCIDIOIDOMYCOSIS (COCCI) SKIN TEST RESULTS
  Lucas K, Wheeler C, Mohle-Boetani J

- EPIDIOLOGY OF PEDIATRIC COCCIDIOIDOMYCOSIS IN CALIFORNIA, 2000–2012
  Sondermeyer G, Lee L, Gillis D, McCarty J, Vugia D

- SURVEILLANCE FOR COCCIDIOIDOMYCOSIS IN ARIZONA: 2015 UPDATE
  Khan M, Rafiq A, Brady S

3:15-3:45 P.M. Poster Visitation/Break
Posters 13-22 (except for 16 that was presented in the morning)

3:45-4:45 Ecology and Epidemiology II
Moderator: Janis Blair
• ESTIMATING TRENDS OF COCCIDIODOMYCOSIS IN AN ENDEMIC AREA
  AFTER LABORATORY REPORTING CHANGES: MARICOPA COUNTY, 2006-
  2014.
  Koski L, Sylvester T, Narang J, Sunenshine R

• COCCIDIOIDOMYCOSIS AMONG AMERICAN INDIANS AND ALASKA
  NATIVES, 2001–2013
  McDonald M, Haberling D

• POPULATION DYNAMICS OF COCCIDIOIDES AND THE EMERGENCE OF
  CLINICAL GENOTYPES
  Teixeira M; Barker B

• COCCIDIOIDOMYCOSIS IN RESCUED MARINE MAMMALS ALONG
  CALIFORNIA’S COAST
  Lauer A

5:00 P.M. Concluding Remarks
Neil Ampel

7:00 P.M. Dinner (by reservation)
Republican Restaurant
2120 Kern St., Fresno, CA 93728
2016 CSG Satellite Meeting: Coccidioidomycosis and the Environment
U.C.S.F.-Fresno campus, Room 136
Fresno and R Streets, Fresno, CA 93721
April 8, 2016; 1-5 P.M.

12:30-1:00  **Registration** (no added cost when registered to attend the CSG 60th Annual Meeting April 9, 2016 at U.C.S.F.-Fresno)

1:00-1:15 P.M  **Welcome Address: Bridget Barker (Moderator)**

1:15-1:35  **DIRECT DETECTION OF COCCIDIOIDES FROM ARIZONA SOILS WITH A NEW REAL-TIME PCR ASSAY**

1:35-1:55  **DEVELOPING METHODS FOR DETECTION OF COCCIDIOIDES USING TARGETED AND SHOTGUN METAGENOMIC SEQUENCING OF ENVIRONMENTAL SAMPLES**
Chow N, Gade L, Litvintseva A

1:55-2:15  **STANDARDIZATION OF NESTED PCR FOR COCCIDIOIDES SP. DNA DETECTION IN SOIL SAMPLES**

2:15-2:45  Coffee Break

2:45-3:05  **REGIONAL ENVIRONMENTAL SOIL AND AIR SAMPLING FOR COCCIDIOIDES SP. AND AIRBORNE FUNGAL SPORE DISTRIBUTION PATTERNS**
Cat L, Gorris M, Randerson J, Treseder K

3:05-3:25  **GROWTH OF COCCIDIOIDES IN SOIL**
Hurst S, Gade L, Plumlee G, Litvintseva A

3:25-3:45  **INCREASED INCIDENCES OF COCCIDIOIDOMYCOSIS CORRELATED WITH LARGE SCALE LAND DEVELOPMENT IN THE ANTELOPE VALLEY**
Colson A, Guevara R, Vredenburgh L, Lauer A

3:45-4:00  Break

4:00-5:00  **Forum Discussion:** Roundtable with speakers and final thoughts, Questions and Answers

**Dinner** (on your own)
2016 CSG Satellite Meeting: Coccidioidomycosis and Occupational Health
U.C.S.F.-Fresno
The DoubleTree Hotel
Salon A
2233 Ventura St., Fresno, CA 93721
April 8, 2016; 7-9 P.M.

6:45-7:00 P.M.  Registration (no added cost when registered to attend the CSG 60th Annual Meeting April 9, 2016 at U.C.S.F.-Fresno, Fresno, CA)

7:00-7:05  Welcome Address: Orion McCotter and Marie de Perio (co-Moderators)

7:05-7:25  THE IMPORTANCE OF COLLECTING OCCUPATION, INDUSTRY AND WORKPLACE DATA WITHIN COCCIDIOIDOMYCOSIS SURVEILLANCE SYSTEMS
Luckhaupt S

7:25-7:45  SUSPECT COCCIDIOIDOMYCOSIS AMONG WORKERS CONSTRUCTING SOLAR POWER FARMS IN CALIFORNIA: TWICE AS MANY AS LABORATORY-CONFIRMED
Sondermeyer G, McNary J, Gilliss D, Schusterman D, Materna B, Vugia D

7:45-8:15  PANEL DISCUSSION: RISK COMMUNICATION REGARDING COCCIDIOIDOMYCOSIS AND HIGH RISK POPULATIONS
CALIFORNIA COCCIDIOIDOMYCOSIS COLLABORATIVE
Materna B, Kirt E

8:15-8:30  FARMWORKER CASE CONTROL PILOT UPDATE
McCurdy S

8:30-8:55  PANEL DISCUSSION: EXPLORATION OF THE USE OF THE SPHERULE DERIVED SKIN TEST FOR COCCIDIOIDOMYCOSIS AND ITS APPLICATIONS IN WORKPLACE SETTINGS
De Perio M, Sunenshine R, McCotter O

8:55-9:00  Closing Remarks: Orion McCotter and Marie de Perio
2016 Cocci Study Group 60th Annual Meeting Hosts
Michael Peterson, Robert Libke and Paul Mills
Monica Sozinho and Virginia Coningsby, event coordinators
U.C.S.F.-Fresno, Community Regional Medical Center, Fresno, CA

2016 Cocci Study Group 60th Annual Meeting Moderators
Poster Presentations: Susan Hoover
Clinical Science: Oral Presentations: Rafael Laniado-Laborin
Laboratory and Basic Science: Oral Presentations: George Thompson III
Ecology and Epidemiology: Oral Presentations: Tom Chiller and Janis Blair
Cocci and the Environment: Bridget Barker
Satellite: Cocci and Occupational Health: Orion McCotter and Marie de Perio

Cocci Study Group Program Committee
Herbert Boro – Director: Orion McCotter
Bridget Barker: Rajal Mody
Karl Clemons: Lisa Shubitz
Susan Hoover: Rebecca Sunenshine

Cocci Study Group Board of Directors
Neil Ampel – President: Jessica Einstein
Janis Blair: Royce Johnson
Herbert Boro: Rafael Laniado-Laborin
Antonino Catanzaro – Past President: Rebecca Sunenshine
Autumn Davidson: George Thompson III

Final draft March 31, 2016