

# Stanford

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## David A. Stevens

Professor of Medicine, Emeritus

Medicine - Infectious Diseases

 NIH Biosketch available Online

 Curriculum Vitae available Online

### Bio

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#### ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Infectious Diseases
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- Rhoda Benham Medal, Medical Mycology Society of the Americas (1999)
- Outstanding Achievement in Medicine Award, Santa Clara County Medical Association (2003)
- Lucille Georg Medal, International Society for Human and Animal Mycology (2006)
- Charles E. Smith Memorial Award, Coccidioidomycosis Study Group (2006)

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Research Group, California Institute for Medical Research, San Jose; Div. of Infectious Diseases and Geographic Medicine, Stanford University, Medical School:

David A. Stevens, M.D.; Gabriele Sass, Ph.D.; Marife Martinez, B.S.1; Hasan Nazik, M. D.; Paulami Chatterjee, B.S.2

Research interests: Dr. Stevens' group studies the biology, pathogenesis, immunology, epidemiology and therapy of fungal and parasitic infections.

Animal models are developed and used to study differences in virulence in fungal strains, their biochemical characterization and interaction with host defenses, particularly the role of therapy with recombinant cytokines and other immunomodulators, and preclinical studies of diagnosis. The infections most intensively investigated, with respect to pathogenesis or therapy, are pulmonary and disseminated aspergillosis, though disseminated coccidioidomycosis is also of major interest. Almost all models are murine, with 1 rabbit model; and 2 avian models (in collaboration with Veterinary School, Univ. of California, Davis). The laboratory has worked on development of panfungal conjugate vaccines, with special focus on *Aspergillus* and *Coccidioides*, including discovery of cross-reacting fungal proteins by mass spectroscopy and protein microarray, in collaboration with City of Hope, and using purified glycans supplied by an industrial partner. The chemotherapy of fungal infection is also under study including the evaluation of agents in vitro; for their efficacy, pharmacology, and toxicology in animal models and in human disease. In addition, the use of new drugs in the therapy of a parasitic infection, trypanosomiasis (Chagas' disease), is being studied in vitro and in mice. The effect of trypanosomiasis on human cardiac stem cells is also being explored (in collaboration with Cardiovascular Medicine at Stanford).

Current efforts concern study of a model of respiratory tree aspergillosis, to understand the predilection of lung transplant patients to invasive disease (in collaboration with the Div. of Pulmonary & Critical Care Med. at Stanford); and study of the biology of *Aspergillus* as it relates to lung biofilm and interaction with *Pseudomonas aeruginosa*, particularly in cystic fibrosis, and the molecular species involved (including collaborations with Dept. of Civil and Environmental Engineering, Dept. of Chemistry, and Div. of Pediatric Pulmonology, Stanford; Children's Hosp. of Oakland Research Inst.; Univ. of California, Berkeley; Univ. of Sherbrooke, Quebec; MD Anderson Cancer Ctr., Houston; Univ. of Washington).

The laboratory has used molecular fingerprinting systems applied to the genomes of fungal species to develop tools to allow typing and differentiation of clinical isolates and for epidemiological and taxonomic purposes, particularly the epidemiology of *Aspergillus* and the *Candida parapsilosis* family. The laboratory is, in addition, a clinical reference laboratory for fungal and actinomycete susceptibility testing, and body fluid antifungal drug concentration determinations, for hospitals. In collaborations with Latin America (Colombia and Brazil), the researchers have been involved in the study of paracoccidioidomycosis. Mammalian estradiol influence on *Paracoccidioides* pathogenesis was investigated by focusing on the block of morphogenetic transformation, the role of the fungal estradiol-binding protein, and production of estrogenic ligands by the fungus.

1 technical staff

2 student

## Publications

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### PUBLICATIONS

- **Susceptibility of *Candida albicans* from Cystic Fibrosis Patients** *Mycopathologica*  
Sabino, R., Carolino, E., Moss, R. B., Banaei, N., Verissimo, C., Stevens, D. A.  
2017
- **Mycologic catastrophe.** *Antimicrobial agents and chemotherapy*  
Stevens, D. A.  
2013; 57 (6): 2904-?
- ***Halomonas johnsoniae*: review of a medically underappreciated genus of growing human importance.** *The American journal of the medical sciences*  
Stevens, D. A., Kim, K. K., Johnson, N., Lee, J., Hamilton, J. R.  
2013; 345 (5): 335-338
- **Experimental Evidence That Granulocyte Transfusions Are Efficacious in Treatment of Neutropenic Hosts with Pulmonary Aspergillosis** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Martinez, M., Chen, V., Tong, A., Hamilton, K., Clemons, K. V., Stevens, D. A.  
2013; 57 (4): 1882-1887
- **Reflections on the Approach to Treatment of a Mycologic Disaster** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Stevens, D. A.  
2013; 57 (4): 1567-1572
- **Phylogenetic Analysis Reveals a Cryptic Species *Blastomyces gilchristii*, sp nov within the Human Pathogenic Fungus *Blastomyces dermatitidis*** *PLOS ONE*  
Brown, E. M., McTaggart, L. R., Zhang, S. X., Low, D. E., Stevens, D. A., Richardson, S. E.  
2013; 8 (3)
- **Vaccination with mannan protects mice against systemic aspergillosis** *MEDICAL MYCOLOGY*  
Liu, M., Machova, E., Nescakova, Z., Medovarska, I., Clemons, K. V., Martinez, M., Chen, V., Bystricky, S., Stevens, D. A.  
2012; 50 (8): 818-828
- **Advances in systemic antifungal therapy** *CLINICS IN DERMATOLOGY*  
Stevens, D. A.  
2012; 30 (6): 657-661

- **Population Pharmacokinetics of Conventional and Intermittent Dosing of Liposomal Amphotericin B in Adults: a First Critical Step for Rational Design of Innovative Regimens** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Hope, W. W., Goodwin, J., Felton, T. W., Ellis, M., Stevens, D. A.  
2012; 56 (10): 5303-5308
- **Draft Genome Sequence of the Human Pathogen *Halomonas stevensii* S18214(T)** *JOURNAL OF BACTERIOLOGY*  
Kim, K. K., Lee, K. C., Jeong, H., Stevens, D. A., Lee, J.  
2012; 194 (18): 5143-5143
- **Experimental Central Nervous System Aspergillosis Therapy: Efficacy, Drug Levels and Localization, Immunohistopathology, and Toxicity.** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Clemons, K. V., Schwartz, J. A., Stevens, D. A.  
2012; 56 (8): 4439-4449
- **Orogastrointestinal model of mucosal and disseminated candidiasis.** *Methods in molecular biology (Clifton, N.J.)*  
Clemons, K. V., Stevens, D. A.  
2012; 845: 557-567
- **Protein targets for broad-spectrum mycosis vaccines: quantitative proteomic analysis of *Aspergillus* and *Coccidioides* and comparisons with other fungal pathogens** *5th Advances Against Aspergillosis Conference*  
Champer, J., Diaz-Arevalo, D., Champer, M., Hong, T. B., Wong, M., Shannahoff, M., Ito, J. I., Clemons, K. V., Stevens, D. A., Kalkum, M.  
BLACKWELL SCIENCE PUBL.2012: 44-51
- ***Saccharomyces* as a Vaccine Against Systemic Candidiasis** *IMMUNOLOGICAL INVESTIGATIONS*  
Liu, M., Clemons, K. V., Johansen, M. E., Martinez, M., Chen, V., Stevens, D. A.  
2012; 41 (8): 847-855
- **Influence of 17 beta-Estradiol on Gene Expression of *Paracoccidioides* during Mycelia-to-Yeast Transition** *PLOS ONE*  
Shankar, J., Wu, T. D., Clemons, K. V., Monteiro, J. P., Mirels, L. F., Stevens, D. A.  
2011; 6 (12)
- **Therapeutic and toxicologic studies in a murine model of invasive pulmonary aspergillosis** *MEDICAL MYCOLOGY*  
Clemons, K. V., Schwartz, J. A., Stevens, D. A.  
2011; 49 (8): 834-847
- **Diagnosing invasive fungal disease in critically ill patients** *CRITICAL REVIEWS IN MICROBIOLOGY*  
Hsu, J. L., Ruoss, S. J., Bower, N. D., Lin, M., Holodniy, M., Stevens, D. A.  
2011; 37 (4): 277-312
- ***Saccharomyces* as a vaccine against systemic aspergillosis: 'the friend of man' a friend again?** *JOURNAL OF MEDICAL MICROBIOLOGY*  
Liu, M., Capilla, J., Johansen, M. E., Alvarado, D., Martinez, M., Chen, V., Clemons, K. V., Stevens, D. A.  
2011; 60 (10): 1423-1432
- **Microsatellite multilocus genotyping clarifies the relationship of *Candida parapsilosis* strains involved in a neonatal intensive care unit outbreak** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*  
Vaz, C., Sampaio, P., Clemons, K. V., Huang, Y., Stevens, D. A., Pais, C.  
2011; 71 (2): 159-162
- **Global population structure of *Aspergillus terreus* inferred by ISSR typing reveals geographical subclustering** *BMC MICROBIOLOGY*  
Neal, C. O., Richardson, A. O., Hurst, S. F., Tortorano, A. M., Viviani, M. A., Stevens, D. A., Balajee, S. A.  
2011; 11
- **Pharmacokinetics of voriconazole in adult mallard ducks (*Anas platyrhynchos*)** *MEDICAL MYCOLOGY*  
Kline, Y., Clemons, K. V., Woods, L., Stevens, D. A., Tell, L. A.  
2011; 49 (5): 500-512
- **Real-time PCR and quantitative culture for monitoring of experimental *Aspergillus fumigatus* intracranial infection in neutropenic mice** *JOURNAL OF MEDICAL MICROBIOLOGY*  
Morton, C. O., Clemons, K. V., Springer, J., Mueller, J. G., Rogers, T. R., Stevens, D. A., Kurzai, O., Einsele, H., Loeffler, J.  
2011; 60 (7): 913-919

- **Developing a vaccine against aspergillosis** *4th Advances Against Aspergillosis (AAA) Conference*  
Stevens, D. A., Clemons, K. V., Liu, M.  
INFORMA HEALTHCARE.2011: S170–S176
- **Hormones and the Resistance of Women to Paracoccidioidomycosis** *CLINICAL MICROBIOLOGY REVIEWS*  
Shankar, J., Restrepo, A., Clemons, K. V., Stevens, D. A.  
2011; 24 (2): 296-?
- **Immune responses induced by heat killed *Saccharomyces cerevisiae*: A vaccine against fungal infection** *VACCINE*  
Liu, M., Clemons, K. V., Bigos, M., Medovarska, I., Brummer, E., Stevens, D. A.  
2011; 29 (9): 1745-1753
- ***Aspergillus* Vertebral Osteomyelitis in Immunocompetent Hosts: Role of Triazole Antifungal Therapy** *CLINICAL INFECTIOUS DISEASES*  
Studemeister, A., Stevens, D. A.  
2011; 52 (1)
- **Aspergillosis in the 'Nonimmunocompromised' Host** *IMMUNOLOGICAL INVESTIGATIONS*  
Stevens, D. A., Melikian, G. L.  
2011; 40 (7-8): 751-766
- **Efficacy of Recombinant Human Mannose Binding Lectin Alone and in Combination with Itraconazole Against Murine *Candida albicans* vaginitis** *IMMUNOLOGICAL INVESTIGATIONS*  
Clemons, K. V., Martinez, M., Axelsen, M., Thiel, S., Stevens, D. A.  
2011; 40 (6): 553-568
- **An Official American Thoracic Society Statement: Treatment of Fungal Infections in Adult Pulmonary and Critical Care Patients** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*  
Limper, A. H., Knox, K. S., Sarosi, G. A., Ampel, N. M., Bennett, J. E., Catanzaro, A., Davies, S. F., Dismukes, W. E., Hage, C. A., Marr, K. A., Mody, C. H., Perfect, J. R., Stevens, et al  
2011; 183 (1): 96-128
- **Molecular epidemiology of *Saccharomyces cerevisiae* in an immunocompromised host unit** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*  
Clemons, K. V., Salonen, J. H., Issakainen, J., Nikoskelainen, J., McCullough, M. J., Jorge, J. J., Stevens, D. A.  
2010; 68 (3): 220-227
- **Immunomodulatory effects of antifungal agents on the response of human monocytic cells to *Aspergillus fumigatus* conidia** *MEDICAL MYCOLOGY*  
Choi, J., Kwon, E., Park, C., Choi, S., Lee, D., Yoo, J., Shin, W., Stevens, D. A.  
2010; 48 (5): 704-709
- **Effect of 3M-003, an imidazoquinoline, on phagocyte candidacidal activity directly and via induction of peripheral blood mononuclear cell cytokines** *FEMS IMMUNOLOGY AND MEDICAL MICROBIOLOGY*  
Brummer, E., Antonysamy, M. A., Bythadka, L., Gullikson, G. W., Stevens, D. A.  
2010; 59 (1): 81-89
- **New Polymorphic Microsatellite Markers Able To Distinguish among *Candida parapsilosis* Sensu Stricto Isolates** *JOURNAL OF CLINICAL MICROBIOLOGY*  
Sabino, R., Sampaio, P., Rosado, L., Stevens, D. A., Clemons, K. V., Pais, C.  
2010; 48 (5): 1677-1682
- **Itraconazole, a Commonly Used Antifungal that Inhibits Hedgehog Pathway Activity and Cancer Growth** *CANCER CELL*  
Kim, J., Tang, J. Y., Gong, R., Kim, J., Lee, J. J., Clemons, K. V., Chong, C. R., Chang, K. S., Fereshteh, M., Gardner, D., Reya, T., Liu, J. O., Epstein, et al  
2010; 17 (4): 388-399
- **Efficacy of voriconazole in Japanese quail (*Coturnix japonica*) experimentally infected with *Aspergillus fumigatus*** *MEDICAL MYCOLOGY*  
Tell, L. A., Clemons, K. V., Kline, Y., Woods, L., Kass, P. H., Martinez, M., Stevens, D. A.  
2010; 48 (2): 234-244
- **Resistance of MBL gene-knockout mice to experimental systemic aspergillosis** *IMMUNOLOGY LETTERS*  
Clemons, K. V., Martinez, M., Tong, A., Stevens, D. A.  
2010; 128 (2): 105-107

- **Collectins and fungal pathogens: roles of surfactant proteins and mannose binding lectin in host resistance** *MEDICAL MYCOLOGY*  
Brummer, E., Stevens, D. A.  
2010; 48 (1): 16-28
- **Correlation of restriction fragment length polymorphism genotyping with internal transcribed spacer sequence, randomly amplified polymorphic DNA and multilocus sequence groupings for *Candida parapsilosis*** *MYCOSES*  
van Asbeck, E. C., Clemons, K. V., Markham, A. N., Stevens, D. A.  
2009; 52 (6): 493-498
- **A safety and feasibility study comparing an intermittent high dose with a daily standard dose of liposomal amphotericin B for persistent neutropenic fever** *JOURNAL OF MEDICAL MICROBIOLOGY*  
Ellis, M., Bernsen, R., Ali-Zadeh, H., Kristensen, J., Hedstrom, U., Poughias, L., Bresnik, M., Al-Essa, A., Stevens, D. A.  
2009; 58 (11): 1474-1485
- **Expert Opinion: What To Do When There Is *Coccidioides* Exposure in a Laboratory** *CLINICAL INFECTIOUS DISEASES*  
Stevens, D. A., Clemons, K. V., Levine, H. B., Pappagianis, D., Baron, E. J., Hamilton, J. R., Deresinski, S. C., Johnson, N.  
2009; 49 (6): 919-923
- **Genomic DNA microarray comparison of gene expression patterns in *Paracoccidioides brasiliensis* mycelia and yeasts in vitro** *MICROBIOLOGY-SGM*  
Monteiro, J. P., Clemons, K. V., Mirels, L. F., Collier, J. A., Wu, T. D., Shankar, J., Lopes, C. R., Stevens, D. A.  
2009; 155: 2795-2808
- **A New Method for the Treatment of Chronic Fungal Meningitis: Continuous Infusion into the Cerebrospinal Fluid for *Coccidioidal* Meningitis** *Symposium on Nutrition and Cardiovascular Disease held at the Annual Scientific Session of the Southern-Society-for-Clinical-Investigation*  
Berry, C. D., Stevens, D. A., Hassid, E. I., Pappagianis, D., Happs, E. L., Sahrakar, K.  
LIPPINCOTT WILLIAMS & WILKINS.2009: 79-82
- **Halomonas, a Newly Recognized Human Pathogen Causing Infections and Contamination in a Dialysis Center Three New Species** *MEDICINE*  
Stevens, D. A., Hamilton, J. R., Johnson, N., Kim, K. K., Lee, J.  
2009; 88 (4): 244-249
- ***Saccharomyces cerevisiae* as a vaccine against coccidioidomycosis** *VACCINE*  
Capilla, J., Clemons, K. V., Liu, M., Levine, H. B., Stevens, D. A.  
2009; 27 (27): 3662-3668
- **Frequency of paradoxical effect with caspofungin in *Candida albicans*** *EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES*  
Stevens, D. A.  
2009; 28 (6): 717-717
- **Comparative Efficacies of Lipid-Complexed Amphotericin B and Liposomal Amphotericin B against *Coccidioidal* Meningitis in Rabbits** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Clemons, K. V., Capilla, J., Sobel, R. A., Martinez, M., Tong, A., Stevens, D. A.  
2009; 53 (5): 1858-1862
- **Conventional or molecular measurement of *Aspergillus* load** *MEDICAL MYCOLOGY*  
Clemons, K. V., Stevens, D. A.  
2009; 47: S132-S137
- ***Candida parapsilosis*: a review of its epidemiology, pathogenesis, clinical aspects, typing and antimicrobial susceptibility** *CRITICAL REVIEWS IN MICROBIOLOGY*  
van Asbeck, E. C., Clemons, K. V., Stevens, D. A.  
2009; 35 (4): 283-309
- **Molecular epidemiology of global *Candida dubliniensis* isolates utilizing genomic-wide, co-dominant, PCR-based markers for strain delineation** *MEDICAL MYCOLOGY*  
McCullough, M. J., Hepworth, G., Gordon, I., Clemons, K. V., Stevens, D. A.  
2009; 47 (8): 789-795
- **Clinical aspergillosis for basic scientists** *MEDICAL MYCOLOGY*  
Stevens, D. A.

2009; 47: S1-S4

- **Third Advances Against Aspergillosis Meeting 2008.** *Expert review of anti-infective therapy*  
Stevens, D. A., Clemons, K. V.  
2008; 6 (6): 851-853
- **In Vitro Activity of Amphotericin B Against Aspergillus terreus Isolates from Different Countries and Regions** *JOURNAL OF CHEMOTHERAPY*  
Tortorano, A. M., Prigitano, A., Dho, G., Biraghi, E., Stevens, D. A., Ghannoum, M., Nolard, N., Viviani, M. A.  
2008; 20 (6): 756-757
- **Significant differences in drug susceptibility among species in the Candida parapsilosis group** *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE*  
van Asbeck, E., Clemons, K. V., Martinez, M., Tong, A., Stevens, D. A.  
2008; 62 (1): 106-109
- **Defining responses to therapy and study outcomes in clinical trials of invasive fungal diseases: Mycoses study group and European Organization for Research and Treatment of Cancer consensus criteria** *CLINICAL INFECTIOUS DISEASES*  
Segal, B. H., Herbrecht, R., Stevens, D. A., Ostrosky-Zeichner, L., Sobel, J., Viscoli, C., Walsh, T. J., Maertens, J., Patterson, T. F., Perfect, J. R., Dupont, B., Wingard, J. R., Calandra, et al  
2008; 47 (5): 674-683
- **A possible mechanism for synergy between antifungal therapy and immune defenses** *JOURNAL OF INFECTIOUS DISEASES*  
Stevens, D. A.  
2008; 198 (2): 159-162
- **Revised definitions of invasive fungal disease from the European Organization for Research and Treatment of Cancer/Invasive Fungal Infections Cooperative Group and the National Institute of Allergy and Infectious Diseases Mycoses Study Group (EORTC/MSG) Consensus Group** *CLINICAL INFECTIOUS DISEASES*  
de Pauw, B., Walsh, T. J., Donnelly, J. P., Stevens, D. A., Edwards, J. E., Calandra, T., Pappas, P. G., Maertens, J., Lortholary, O., Kauffman, C. A., Denning, D. W., Patterson, T. F., Maschmeyer, et al  
2008; 46 (12): 1813-1821
- **Comparison of lipid amphotericin B preparations in treating murine zygomycosis** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Ibrahim, A. S., Gebremariam, T., Husseiny, M. I., Stevens, D. A., Fu, Y., Edwards, J. E., Spellberg, B.  
2008; 52 (4): 1573-1576
- **Evasion of innate immune responses: Evidence for mannose binding lectin inhibition of tumor necrosis factor alpha production by macrophages in response to Blastomyces dermatitidis** *INFECTION AND IMMUNITY*  
Koneti, A., Linke, M. J., Brummer, E., Stevens, D. A.  
2008; 76 (3): 994-1002
- **Treatment of aspergillosis: Clinical practice guidelines of the infectious diseases society of America** *CLINICAL INFECTIOUS DISEASES*  
Walsh, T. J., Anaissie, E. J., Denning, D. W., Herbrecht, R., Kontoyiannis, D. P., Marr, K. A., Morrison, V. A., Segal, B. H., Steinbach, W. J., Stevens, D. A., van Burik, J., Wingard, J. R., Patterson, et al  
2008; 46 (3): 327-360
- **Molecular epidemiology of the global and temporal diversity of Candida parapsilosis** *Annual Meeting of the Dutch-Society-for-Microbiology*  
van Asbeck, E. C., Clemons, K. V., Markham, A. N., Stevens, D. A.  
TAYLOR & FRANCIS AS.2008: 827-34
- **Candida parapsilosis fungemia in neonates: genotyping results suggest healthcare workers hands as source, and review of published studies** *MYCOPATHOLOGIA*  
van Asbeck, E. C., Huang, Y., Markham, A. N., Clemons, K. V., Stevens, D. A.  
2007; 164 (6): 287-293
- **Animal models: an important tool in mycology** *MEDICAL MYCOLOGY*  
Capilla, J., Clemons, K. V., Stevens, D. A.  
2007; 45 (8): 657-684
- **Posaconazole therapy for chronic refractory coccidioidomycosis** *CHEST*  
Stevens, D. A., Rendon, A., Gaona-Flores, V., Catanzaro, A., Anstead, G. M., Pedicone, L., Graybill, J. R.

2007; 132 (3): 952-958

- **Production of IL-6, in contrast to other cytokines and chemokines, in macrophage innate immune responses: Effect of serum and fungal (Blastomyces) challenge** *CYTOKINE*  
Brummer, E., Capilla, J., Bythadka, L., Stevens, D. A.  
2007; 39 (3): 163-170
- **Safety, tolerance, and efficacy of posaconazole therapy in patients with nonmeningeal disseminated or chronic pulmonary coccidioidomycosis** *CLINICAL INFECTIOUS DISEASES*  
Catanzaro, A., Cloud, G. A., Stevens, D. A., Levine, B. E., Williams, P. L., Johnson, R. H., Rendon, A., Mirels, L. F., Lutz, J. E., Holloway, M., Galgiani, J. N.  
2007; 45 (5): 562-568
- **Efficacy of amphotericin B lipid complex in a rabbit model of coccidioidal meningitis** *JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY*  
Capilla, J., Clemons, K. V., Sobel, R. A., Stevens, D. A.  
2007; 60 (3): 673-676
- **Comparison of itraconazole and fluconazole treatments in a murine model of coccidioidal meningitis** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Kamberi, P., Sobel, R. A., Clemons, K. V., Waldvogel, A., Striebel, J. M., Williams, P. L., Stevens, D. A.  
2007; 51 (3): 998-1003
- **Treatment of invasive aspergillosis with posaconazole in patients who are refractory to or intolerant of conventional therapy: An externally controlled trial** *CLINICAL INFECTIOUS DISEASES*  
Walsh, T. J., Raad, I., Patterson, T. F., Chandrasekar, P., Donowitz, G. R., Graybill, R., Greene, R. E., Hachem, R., Hadley, S., Herbrecht, R., Langston, A., Louie, A., Ribaud, et al  
2007; 44 (1): 2-12
- **Azole therapy of clinical and experimental coccidioidomycosis** *6th International Symposium on Coccidioidomycosis*  
Stevens, D. A., Clemons, K. V.  
BLACKWELL PUBLISHING.2007: 442-454
- **Experimental animal models of coccidioidomycosis** *6th International Symposium on Coccidioidomycosis*  
Clemons, K. V., Capilla, J., Stevens, D. A.  
BLACKWELL PUBLISHING.2007: 208-224
- **Experimental systemic infection with *Cryptococcus neoformans* var. *grubii* and *Cryptococcus gattii* in normal and immunodeficient mice** *MEDICAL MYCOLOGY*  
Capilla, J., Maffei, C. M., Clemons, K. V., Sobel, R. A., Stevens, D. A.  
2006; 44 (7): 601-610
- **Interferon- gamma as an antifungal.** *journal of infectious diseases*  
Stevens, D. A., Brummer, E., Clemons, K. V.  
2006; 194: S33-7
- **Escape of *Candida* from caspofungin inhibition at concentrations above the MIC (Paradoxical effect) accomplished by increased cell wall chitin; Evidence for beta-1,6-glucan synthesis inhibition by caspofungin** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Stevens, D. A., Ichinomiya, M., Koshi, Y., Horiuchi, H.  
2006; 50 (9): 3160-3161
- **IL-12 induction of resistance to pulmonary blastomycosis** *15th Congress of the International-Society-for-Human-and-Animal-Myecology*  
Brummer, E., Vinoda, V., Stevens, D. A.  
ACADEMIC PRESS LTD ELSEVIER SCIENCE LTD.2006: 221-28
- **Efficacy of Abelcet alone, or in combination therapy, against experimental central nervous system aspergillosis** *JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY*  
Clemons, K. V., Parmar, R., Martinez, M., Stevens, D. A.  
2006; 58 (2): 466-469
- **Development of an orogastrointestinal mucosal model of candidiasis with dissemination to visceral organs** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Clemons, K. V., Gonzalez, G. M., Singh, G., Imai, J., Espiritu, M., Parmar, R., Stevens, D. A.  
2006; 50 (8): 2650-2657



- **Effect of lung surfactant collectins on bronchoalveolar macrophage interaction with *Blastomyces dermatitidis*: Inhibition of tumor necrosis factor alpha production by surfactant protein D** *INFECTION AND IMMUNITY*  
Lekkala, M., LeVine, A. M., Linke, M. J., Crouch, E. C., Linders, B., Brummer, E., Stevens, D. A.  
2006; 74 (8): 4549-4556
- **Coccidioidal meningitis** *CLINICAL INFECTIOUS DISEASES*  
Stevens, D. A.  
2006; 43 (3): 385-385
- **Animal models testing monotherapy versus combination antifungal therapy: lessons learned and future directions** *CURRENT OPINION IN INFECTIOUS DISEASES*  
Clemons, K. V., Stevens, D. A.  
2006; 19 (4): 360-364
- **Who let the dogs out? Infection control did: Utility of dogs in health care settings and infection control aspects** *AMERICAN JOURNAL OF INFECTION CONTROL*  
DiSalvo, H., Haiduven, D., Johnson, N., Reyes, V. V., Hench, C. P., Shaw, R., Stevens, D. A.  
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