

Anthony Paul Cannella

Curriculum Vitae

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Education:

Graduate Medical Education:

Fellowship Training:

Post-Doctoral: 2010-2013

Clinical: 2009-2011

University of California, San Diego

Department of Medicine

Division of Infectious Diseases

San Diego, CA

Residency Training:

2006-2009

University of Alabama at Birmingham

Department of Medicine

Birmingham, AL

Undergraduate Medical Education:

2002-2006

University of South Florida

College of Medicine

Doctor of Medicine

Tampa, FL

Undergraduate and Graduate Education:

1999-2000 Barry University

Graduate College of Biomedical Sciences

Master of Science (Biomedical Science)

Miami Shores, FL

1995-1999 University of South Florida

College of Arts & Sciences

Bachelor of Science (Major-Biology)

Tampa, FL

Employment:

-University of Florida College of Medicine:

- Assistant Professor of Medicine; Tenure Track (2014-present)
- Courtesy Assistant Professor of Molecular Genetics and Microbiology with Graduate Faculty Status (2015-present)

-University of California, San Diego School of Medicine:

- Assistant Professor of Medicine; Residence/Adjunct Track (2013-2014)

-University of California, San Diego School of Medicine:

- Clinical Instructor (2012-2013)

Certifications:

- ABIM Board Certified:
(Internal Medicine, Oct 2010; Infectious Diseases, Oct 2011)
- Alabama State Medical License (#28513): 2007-2010
- California State Medical License (#A108555): 2009-2014
- Florida State Medical License (ME 120663): 2014-
- U.S.A. DEA License: March 2008-present
- University of California, San Diego Medical Center Attending Privileges (2012-2014)
- UF Health-Shands Medical Center Attending Privileges (2014-)
- BSL-3 Training Certification (2015-2018)

Professional Associations:

- American Society of Tropical Medicine and Hygiene
Trainee Member 2010-2013
Diplomat Member: 2013-present
- Infectious Diseases Society of America
Trainee member: 2009-2012
Diplomat member: 2012-present
- American College of Physicians
Student member: 2003-2006
Trainee Member: 2008-2010
Diplomat Member: 2010-present
- American Society of Microbiology
Fellow Member: 2009-2012
- Infectious Disease Association of California
Fellow Member: 2010-2012

- American Medical Association
Student member: 2002-2006
Resident member: 2006-2009

- American College of Surgeons
Student member: 2003-2006

- American Academy of Allergy, Asthma and Immunology
Student member: 2003-2006

Major Research Interests:

- Human immune responses (adaptive immunity) to neglected tropical diseases more specifically: malaria, leptospirosis, mycobacteria, and melioidosis.

- The application of microbiology by trainees in the setting of improving infection outcomes at large academic medical centers.

- The identification and prevention of nosocomial infections and epidemic phenomenon within large academic medical centers; in addition, the stewardship of antimicrobials within such a setting.

Publications:

-**Cannella, AP**, Oehler, R Case Report: *Streptococcus constellatus* Bacterial Endocarditis w/ Multiple Embolic Secondary Infection. *Infections in Medicine*; November 2007.

-**Cannella, AP**, Nguyen, BM, Piggott, CD, Lee, R, Vinetz, JM, Mehta, S
A Cluster of Cutaneous Leishmaniasis Associated with Human Smuggling.
Am. J. Trop. Med. Hyg., 84(6), 2011, pp. 847–850 PMID: 21633017
doi:10.4269/ajtmh.2011.10-0693

-King, J, McCall, M, **Cannella, A**, Markiewicz, MA, James, A, Hood, CB, Acosta, EP
A Randomized Crossover Study to Determine Relative Bioequivalence of Tenofovir, Emtricitabine, and Efavirenz (Atripla) Fixed-Dose Combination Tablet Compared With a Compounded Oral Liquid Formulation Derived From the Tablet
JAIDS (Journal of Acquired Immune Deficiency Syndromes) 56(5):e131-e132, April 15, 2011. PMID: 22046602

-Cannella AP, Lin JC, Liang L, Atluri V, Gotuzzo E, Felgner PL, Tsolis RM, Vinetz JM. Serial Kinetics of the Antibody Response Against the Complete *Brucella melitensis* ORFeome in Chronic Human Brucellosis. *J Clin Microbiol*. 2012 Mar;50(3):922-6. doi: 10.1128/JCM.05298-11. Epub 2012 Jan 4. PMID: 22219303

-Cannella AP, Tsolis RM, Liang L, Felgner PL, Saito M, Sette A, Gotuzzo E, Vinetz JM. Front Cell Infect Microbiol. Antigen-specific acquired immunity in human brucellosis: implications for diagnosis, prognosis, and vaccine development *Frontiers in Cellular and Infection Microbiology* 2012;2:1. doi: 10.3389/fcimb.2012.00001. Epub 2012 Feb 1. PMID: 22919593

-*McKinnell JA, *Cannella AP, Kunz DF, Hook EW 3rd, Moser SA, Miller LG, Baddley JW, Pappas PG. Pneumocystis Pneumonia; A Detailed Examination of Symptoms, Management, and Outcomes in HIV-infected and HIV-uninfected Persons *Transpl Infect Dis*. 2012 Oct;14(5):510-8. doi: 10.1111/j.1399-3062.2012.00739.x. Epub 2012 May 1. PMID: 22548840 *: Co-first author

-Cannella AP, Lindestam Arlehamn CS, Sidney J, Patra KP, Torres K, Tsolis RM, Liang L, Felgner PL, Saito M, Gotuzzo E, Gilman RH, Sette A, Vinetz *Brucella melitensis* T cell Epitope Recognition by Humans Recovered From Brucellosis in Peru” *Infect Immun*. 2013 Oct 14. PMID: 24126518

-Lehmann JS, Fouts DE, Haft DH, Cannella AP, Ricaldi JN, Brinkac L, Harkins D, Durkin S, Sanka R, Sutton G, Moreno A, Vinetz JM, Matthias MA Pathogenomic Inference of Virulence-Associated Genes in *Leptospira interrogans* *PLoS Negl Trop Dis*. 2013 Oct 3; 7(10):e2468. PMID: 24098822

-McKinnell JA, Cannella AP, Injean P, Gregson A. Adjunctive Glucocorticoid Therapy for Non-HIV-Related *Pneumocystis carinii* Pneumonia (NH-PCP) *Am J Transplant*. 2014 Apr; 14(4):982-3. doi: 10.1111/ajt.12655. PMID: 24666835

-Cannella AP, Vinetz JM. A Young Man Evaluated for Suspicion of Lymphoma *Am. J. Trop. Med. Hyg* 2014 Sep 3;91(3):440-1. doi: 10.4269/ajtmh.14-0084. PMID: 25187669

Grants/Awards/Presentations:

- NIH K-08 Grant 1(5)(7)K08AI104773 “Human Immune Responses in Symptomatic and Asymptomatic *Plasmodium falciparum* Malaria” June 2012; NOA date July 5, 2013; 2013-2018

Mentor: J. Glenn Morris, M.D.

- Diversity Grant Award from the NIH for 2010-2012: covering salary and research materials. Approximately \$60,000/year
Aim: Analysis of T-cell (Th1, Th2) Responses Against the *Brucella melitensis* ORFeome in Patients with Chronic Human Brucellosis
Mentor: Joseph M. Vinetz, M.D.
- Loan Repayment Program from the NIH for 2014-2016; \$70,000 covering student loans over the whole two year period.
- ID Week 2013; San Francisco, CA. Poster Session: #39437 *Brucella melitensis* T cell Epitope Recognition by Humans Recovered From Brucellosis in Peru (2013)
- 1st Annual University of California Global Health Day Conference (UCGHD); Irvine, CA
Oral Presentation: The Identification of Human T-cell Responses to Epitopes of *Brucella melitensis*. (2010)
- 59th Annual American Society of Tropical Medicine & Hygiene (ASTMH) Conference; Atlanta, GA
Oral Presentation: A Cluster of Cutaneous Leishmaniasis Associated with Human Smuggling. (2010)
- Infectious Diseases Association of California (IDAC)
Fall Symposium; Long Beach, CA
Oral Presentation: A Cluster of Cutaneous Leishmaniasis Associated with Human Smuggling (2010)
- 17th Annual Conference on Retroviruses and Opportunistic Infections (CROI)
Oral Presentation: Assessment of Bioequivalence of Tenofovir, Emtricitabine and Efavirenz (Atripla) Fixed Dose Combination Tablet Compared with a Compounded Oral Liquid Formulation Derived from the Tablet (2010)
- 49th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Conference; San Francisco, CA
Fellows Oral Abstract Seminar: A Retrospective Analysis Comparing Outcomes of HIV and Non-HIV *Pneumocystis* Pneumonia (2009)
- J. Claude Bennett Medical Research Symposium
University of Alabama at Birmingham School of Medicine; Birmingham, AL
Abstract Competition Submission: A Retrospective Analysis Comparing Outcomes of HIV and Non-HIV *Pneumocystis* Pneumonia (2009)
- Honorable Mention Award: Best Teaching, Internal Medicine Resident
Department of Medicine, University of Alabama at Birmingham (2009)

- First Recipient of the Internal Medicine Resident Award for Teaching in Medical Education-Research (TIME-R) at University of Alabama at Birmingham, Department of Medicine (2007)

Organizations and Activities:

- Medical Student Interview Committee Member for the University Of Florida College Of Medicine (2015-2016)
- Associate Director of Hospital Epidemiology for UF Health-Shands (2014-present)
- The Career Connection Mentorship Program (2012-2013) at University of California, San Diego (Mentorship capacity)
- Clinical and Translational Research Institute Associate Member (2012-2013) at University of California, San Diego
- Board member of Resident Minority recruitment for the Dept. of Medicine at University of Alabama at Birmingham (2007-2009)
- Latino-American Medical Student Association (USFCOM): Founding member and First President (2003-2006), represented USFCOM at 9th Annual National Hispanic Medical Association (NHMA) meeting; Los Angeles, CA (2005)
- University of South Florida Student Senate
Representing the College of Medicine (2005-2006)
- Internal Medicine Interest Group (USFCOM)—Co-founder and First President (2003-2006)
- Attended Florida ACP Chapter meeting (2005)
-Student Attendee
- Attended 60th Annual American Allergy, Asthma & Immunology Conference (AAAAI); San Francisco, CA (2004)
-Student Attendee
- University of South Florida College of Medicine First-Year Class Co-President. (2003)

Research Experience:

- Current Project #1: the analysis and identification of adaptive immunity (memory B cell, T cell cytokine responses) in both asymptomatic and symptomatic *Plasmodium falciparum* infection on the island of Hispaniola. (University of Florida College of Medicine/Emerging Pathogens Institute; 2014-present)
- Current Project #2: the analysis of environmental samples for the presence of neglected tropical diseases (*Leptospira*, *Burkholderia pseudomallei*, non-tuberculous *Mycobacteria*) in Florida and Puerto Rico using novel techniques. (University of Florida College of Medicine/Emerging Pathogens Institute; 2014-present)
- Post-Doctoral Fellow Project: identification of human T-cell (Th1) responses through the use of ELISPOT epitopes of *Brucella melitensis*. (Mentor: Joseph M. Vinetz, M.D. at University of California, San Diego; Alessandro Sette, PhD. La Jolla Institute of Allergy and Immunology) (2010-2013)
- A Retrospective Analysis Comparing/contrasting diagnosis, treatment and prevention between HIV and Non-HIV *Pneumocystis jiroveci* pneumonia. (Mentor: Peter Pappas, M.D.; University of Alabama at Birmingham.) (2008-2009)
- T-cell identification of HIV-1 epitopes. 1917 Clinic Research Center (Mentor: Paul Geopfert, M.D.; University of Alabama at Birmingham) (2008)
- Juvenile Polyposis Syndrome with Asymptomatic Presentations in Two Young Men.” University of South Florida College of Medicine Department of Surgery (Mentor: Jorge Marcet, M.D.; University of South Florida College of Medicine) (2005)
- The Use of TIL’s and LAK’s in the Development of a Vaccine for Renal Cell Carcinoma and Malignant Melanoma. (Mentor: Joseph Horvath, M.D. Dept of Oncology, St Joseph’s Hospital; Tampa, FL) (1998-1999)

Peer Journal Reviewer

- Editorial Board: Clinical Research in Infectious Diseases (2014-present)
- American Journal of Tropical Medicine & Hygiene (2010-present)
- PLOS One (2012-present)
- PLOS Neglected Tropical Diseases (2012-present)
- Clinical Microbiology and Infection (2013-present)

-British Medical Journal (2014-present)

Teaching Experience:

- University of California, San Diego School of Medicine: Medical Microbiology Course (Associate Director)
 - Spring 2011
 - Spring 2012
 - Spring 2013
 - Spring 2014

Community Service/Work Experience:

- Board member of the City of Tampa Hispanic Heritage Month Committee (2004, 2005)
- Tampa Bay Hispanic Heritage Month Kickoff Health Fair (2004, 2005)
- Area Health Education Centers- Teaching Seminar (Dangers of Tobacco Use, 2003)
- Great American Teach-In (Robinson High School-Tampa, 2003)
- St. Joseph's Hospital Clinical Laboratory (Medical Laboratory Technologist, 2000-2002)

Personal Interests:

- Culinary Arts (Southern European, East Asian, Caribbean), History, Instrumental Jazz and Blues.