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Education:

1986-1990 Cornell University, Ithaca, NY; B.A. in physics; Minor in biochemistry

1990-1994 Cornell University Medical College, New York, NY; M.D.

Post-doctoral Training:

1994-1997 Intern and Resident in Internal Medicine, University of Vermont/Fletcher Allen Healthcare, Burlington, VT

1997-1998 Chief Resident in Internal Medicine
University of Vermont College of Medicine, Burlington, VT

1998-2001 Fellow in Infectious Diseases
University of Virginia Health Sciences Center, Charlottesville, VA

2001-2003 Howard Hughes Postdoctoral Fellow
Laboratory of William A. Petri, Jr., M.D., Ph.D.
Division of Infectious Diseases
University of Virginia Health Sciences Center, Charlottesville, VA

Academic and Hospital Appointments:

1997 Clinical Instructor, Dept. of Medicine, University of Vermont College of Medicine

2003-2009 Assistant Professor, Dept. of Medicine, University of Vermont College of Medicine

2003-present Attending Physician, Infectious Diseases Service, Fletcher Allen Health Care, Burlington, VT

2005-present Adjunct Faculty, Dept. of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences

2005-present Adjunct Faculty, Cell and Molecular Biology Program, University of Vermont

2009-present Associate Professor (with tenure), Dept. of Medicine, University of Vermont College of Medicine

Licensure and Certification:

1997-1998 and

2001-present Vermont Medical License: Registration No. 042-0009513

1998-2003 Temporary Virginia Medical License: Registration No. 0116009424

1997-present Board Certified--American Board of Internal Medicine; re-certified 11/2007

2002-present Board Certified--Infectious Diseases; re-certified 5/2011

Awards and Honors:

1986-1990 Dean's List/Distinction in All Subjects; Cornell University, Ithaca, NY

1993 Alpha Omega Alpha Medical Honor Society; Cornell University Medical College

1994 The Upjohn Achievement Award for excellence in Pharmacology; Cornell University Medical College

1994 The Jay Lawrence Award for Clinical Proficiency in Infectious Diseases; Cornell University Medical College

1994 The Good Physician Award--given by class vote to the member of the graduating class who best exemplifies the intangible qualities of the "good physician"; Cornell University Medical College

1997 The Frank L. Babbott, M.D. Memorial Award--for idealism, integrity, dedication to patient care, and commitment to education; Department of Medicine, University of Vermont College of Medicine

1999 Young Investigator Award; American Society of Tropical Medicine and Hygiene

2001 Postdoctoral Fellowship for Physicians; Howard Hughes Medical Institute

2003 Mentored Clinical Scientist Development Award (K08); National Institutes of Allergy and Infectious Diseases

2004 University of Vermont New Research Initiative Award

2006 Frymoyer Scholar; University of Vermont (one of five co-recipients)

2007 Young Investigator Award; American Society for Clinical Investigation

2008 Nominated for "The Silver Stethoscope" award by the Class of 2010; University of Vermont College of Medicine

2009 Nominated for "The Silver Stethoscope" award by the Class of 2011; University of Vermont College of Medicine

- 2010 Nominated for “The Silver Stethoscope” award by the Class of 2012; University of Vermont College of Medicine
- 2011 Junior Researcher of the Year; University of Vermont Medical Group; University of Vermont College of Medicine
- 2013 Invited lecturer, Biology of Parasitism course; Woods Hole Marine Biology Laboratory; Woods Hole, MA.

Professional Activities:

Society Memberships:

- 1998-present Member, Infectious Diseases Society of America-ID No. 008651
- 1998-present Member, American Society of Tropical Medicine and Hygiene
- 2002-present Member, American Society for Microbiology

Editorial Activities:

- 1998-present Ad Hoc reviewer: *Molecular Microbiology; Cellular Microbiology; Journal of Clinical Microbiology; American Journal of Tropical Medicine and Hygiene; Mayo Clinic Proceedings; Pediatrics International; Digestive and Liver Disease; Journal of Medical Case Reports; European Journal of Clinical Microbiology and Infectious Diseases; Coronary Artery Disease; Experimental Parasitology; Clinical and Diagnostic Laboratory Immunology; Eukaryotic Cell; Journal of Parasitology; International Journal of Parasitology; PLoS Neglected Tropical Diseases; BMJ Point of Care; Microbiology; Infection, Genetics, and Evolution; Microbes and Infection; Antimicrobial Agents and Chemotherapy; Parasite Immunology; PLoS Pathogens; mBio; and Clinical Infectious Diseases*
- 2002-present Editorial Board member, *Infection and Immunity*
- 2012-present Guest Editor, *PLoS Neglected Tropical Diseases*

Study Sections and Grant Reviews:

- 2004 External Reviewer, Committee for Scientific Evaluation, The Pasteur Institute
- 2005 External Reviewer, Broad Medical Research Program Inflammatory Bowel Disease Grants, The Eli and Edythe L. Broad Foundation
- 2008 External Reviewer, Project Proposal, International Centre for Diarrhoeal Disease Research, Bangladesh

- 2009 Ad-Hoc Reviewer, Special Emphasis Panel ZRG1 IDM-M (12) B (Infectious Agent Detection/Diagnosis, Food Safety, Sterilization/Disinfection and Bioremediation), National Institutes of Allergy and Infectious Disease
- 2009 Ad-Hoc Reviewer, PTHE Study Section, National Institutes of Allergy and Infectious Disease
- 2009 Ad-Hoc Reviewer, Recovery Act Study Section ZRG1 IDM-C (58)-panel 9, National Institutes of Allergy and Infectious Disease
- 2009 Ad-Hoc Reviewer, ZRG1 IDM-M (02) M (Parasites and Vectors Study Section), National Institutes of Allergy and Infectious Disease
- 2010 External Reviewer, Complexity in Biology: Molecular Aspects of Infectious Diseases, French-Israel Scientific and Technological Cooperation Agreement, Ministry of Science and Technology, Israel.
- 2010 Ad-Hoc Reviewer, ZRG1 IDM-B (02) M (Pathogens and Symbiotes), National Institutes of Allergy and Infectious Disease
- 2011 Ad-Hoc Reviewer, ZRG1 IDM-P (02) M (Parasites and Vectors Study Section), National Institutes of Allergy and Infectious Disease
- 2012 Ad-Hoc Reviewer, ZRG1 IDM-R (02) M (Parasites and Vectors Study Section), National Institutes of Allergy and Infectious Disease
- 2012 External Grant Reviewer, Rhode Island Research Alliance Collaborative Research Proposals, American Association for the Advancement of Science (AAAS)
- 2012 External Grant Reviewer, Rhode Island-INBRE Program
- 2013 Ad-Hoc Reviewer, ZRG1 IDM-M (02) M (Vector and Eukaryotic Pathogens Study Section), National Institutes of Allergy and Infectious Disease

University of Vermont Committees:

- 2004-present Member, Institutional Biosafety Committee, University of Vermont
- 2005-present Member, Infectious Agents Subcommittee, Institutional Biosafety Committee, University of Vermont
- 2005 Member, Professional Development Committee, Cell and Molecular Biology Graduate Program, University of Vermont
- 2007-2012 Member, Recruitment and Admissions Committee, Cell and Molecular Biology Graduate Program, University of Vermont
- 2008-2009 Member, Faculty Search Committee, Immunology and Infectious Diseases COBRE grant, University of Vermont College of Medicine

- 2010 Member, Faculty Search Committee, Department of Animal Science (ASCI), Animal Health/Microbial Pathogenesis Assistant Professor Position, College of Agriculture and Life Sciences, University of Vermont
- 2011 Member, Faculty Search Committee, Immunology and Infectious Diseases COBRE grant, University of Vermont College of Medicine
- 2012-present Member, Steering Committee, Cell, Molecular, and Biomedical Sciences Graduate Program, University of Vermont
- 2012-present Chairman, Recruitment and Admissions Committee, Cell, Molecular, and Biomedical Sciences Graduate Program, University of Vermont
- 2012-present Chairman, Faculty Search Committee, Immunology and Infectious Diseases COBRE grant, University of Vermont College of Medicine

Fletcher Allen Health Care Committees:

- 2003-2007 Member, Residency Selection Committee, Department of Medicine, Fletcher Allen Health Care
- 2003-present Member, Infectious Disease Practice Committee, Fletcher Allen Health Care
- 2009-2012 Member, Communications Committee, Faculty Practice, Fletcher Allen Health Care

Selected Teaching Activities:

Coursework:

- 2003-present Teaching attending (4-8 weeks annually), Infectious Diseases Inpatient Service, University of Vermont College of Medicine
- 2003-present Small group discussant, Cell and Molecular Biology (Antibiotic Resistance; 1 hour annually), University of Vermont College of Medicine
- 2004-present Lecturer, Attacks and Defenses (Parasitology; 1 hour annually), University of Vermont College of Medicine
- 2004-present Small group discussant, Attacks and Defenses (~3 hours annually) ((1) Microbiology Laboratory, (2) Viral Infections, and (3) vector-borne diseases), University of Vermont College of Medicine
- 2005-present Lecturer, Infectious Diseases Fellows Core Curriculum ((1) Innate Immunity, (2) Measles, Mumps, and Rubella, (3) alpha- and flaviviruses, and (4) Oxazolidinones, Glycopeptides, Streptogramins, and Lipopeptides, (5) *Entamoeba*, *Giardia*, *Blastocystis*, and *Trichomonas*, and (6) nematodes)

- 2005-2009 Lecturer, Eukaryotic Molecular Genetics (MMG 312, Antigenic Variation), Graduate College, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2005-present Lecturer, Connections (Gram Positive Skin Infections; 1 hour annually), University of Vermont College of Medicine
- 2005-2009 Lecturer, Critical Reading (MMG 332), Graduate College, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2006-present Lecturer, Towards Career Success in Science (CLBI 295) (Obtaining and Negotiating a Faculty Position; 2 hours biannually), Graduate College, Cell and Molecular Biology Program, University of Vermont
- 2006-present Lecturer, Nutrition, Metabolism, and the Gastrointestinal System (NMGI) ((1) Intestinal Protozoa, and (2) Helminth Infections of the Gastrointestinal Tract and Liver; 2 hours annually), University of Vermont College of Medicine
- 2006-present Lecturer, Cellular Microbiology (MMG 320) (Clinical Correlations; 1 hour annually), Graduate College, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2007-present Lecturer, Attacks and Defenses (Antibiotics; 3 hours annually), University of Vermont College of Medicine
- 2008-present Lecturer, Infectious Diarrhea (4 hours annually (1 per quarter)), Medicine Clinical Clerkship Core Lecture Series, University of Vermont College of Medicine
- 2008 Lecturer, Immunological Basis of Disease (CLBI 395) (Antigenic Mimicry), Graduate College, Cell and Molecular Biology Program, University of Vermont
- 2009, Fall Co-course director, MMG310 (Commensalism in Health and Disease), Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences

Past undergraduate students, internal medicine residents, and infectious diseases fellows:

- 2004-2006 Research advisor to Robert Cochrane, M.D., Internal Medicine Residency Program, Department of Medicine, University of Vermont College of Medicine [this resident was awarded the Departmental Resident's Research Award for his project]
- 2004-2006 Research advisor to Lucas Ryback, M.D., Internal Medicine Residency Program, Department of Medicine, University of Vermont College of Medicine
- 2005-2006 Research advisor to Ali Kearney (MMG197/MMG198), Undergraduate Honors Thesis Program in Microbiology and Molecular Genetics, University of Vermont

College of Agricultural and Life Sciences [this student was awarded the Department of Microbiology and Molecular Genetics' Distinguished Undergraduate Research Award for her work]

- 2007-2008 Research advisor to Erin Burke (MMG197/MMG198), Undergraduate Honors Thesis Program in Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2008-2010 Research advisor to Yacouba "Mulu" Lubula, McNair Scholars Program, Summer Undergraduate Research Internship, University of Vermont College of Agricultural and Life Sciences
- 2007-2008 Infectious Diseases Fellow, Kristen Pierce, M.D.
Current position: Assistant Professor, Infectious Diseases, University of Vermont College of Medicine
- 2008-2009 Infectious Diseases Fellow, Vipul Patel, M.D.
Current position: private practice in infectious diseases, Dallas, Texas
- 2010-2011 Infectious Diseases Fellow (co-advisor), Cindy Noyes-Dion, M.D.
Current position: Assistant Professor, Infectious Diseases, University of Vermont College of Medicine
- 2010-2012 Research advisor to Liam Donnelly, (MMG197/MMG198), Undergraduate Honors Thesis Program in Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences [this student was awarded the Department of Microbiology and Molecular Genetics' Distinguished Undergraduate Research Award for his work, and is currently a fellow in the Laboratory of Parasitology at NIH]
- 2012-present Research advisor to Alan Chu, Undergraduate Honors Thesis Program in Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences

Former graduate students and postdoctoral fellows:

- 2003-2009 Postdoctoral Fellow, Jose E. Teixeira, Ph.D.
Current position: Research Assistant Professor, Huston Lab, University of Vermont College of Medicine
- 2006-2009 Thesis Advisor for Brad Heron, M.S. graduate, Cell and Molecular Biology Program, University of Vermont
Dissertation: Evidence of a novel *Entamoeba histolytica* lectin involved in phagocytosis: Gal/GalNAc lectin independent recognition of carbohydrate moieties found on ovalbumin.
Current position: Biomedical engineering consultant, Hargrove Engineers, Philadelphia, PA

- 2007-2011 Thesis Advisor for Archana Vaithilingam, Ph.D. graduate, Cell and Molecular Biology Program, University of Vermont
Dissertation: *Entamoeba histolytica* cell surface calreticulin binds C1q and participates in phagocytosis.
Current position: Post-doctoral fellow; Ragon Institute of MGH, MIT, and Harvard; AIDS Research Center; laboratory of Sylvie Le Gall
- 2010-2013 Thesis Advisor for Kovi Bessoff, Doctoral Candidate, M.D., Ph.D. program, Microbiology and Molecular Genetics Program, University of Vermont College of Medicine [recipient of the Young Investigator's Award, American Society of Tropical Medicine and Hygiene]
Dissertation: Techniques to identify potential treatments for cryptosporidiosis
Current position: Medical Student; University of Vermont College of Medicine

Current graduate students:

- 2010-present Thesis Advisor for Adam Sateriale, Doctoral Candidate, Cell, Molecular and Biomedical Science Graduate Program, University of Vermont
- 2013-present Thesis Advisor for Rajiv Jumani, Doctoral Candidate, Cell, Molecular and Biomedical Science Graduate Program, University of Vermont

Service on other graduate student thesis and qualifying committees:

- 2004 Thesis Committee Chairman, Stacey Gilk, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2005 Qualifying Exam Committee Member, Snigdha Roy, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2005 Qualifying Exam Committee Member, Julie Hathaway, Doctoral Candidate, MD/PhD program, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2006 Qualifying Exam Committee Member, Qin Yang, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2007 Qualifying Exam Committee Member, Li Jingping, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2007 Qualifying Exam Committee Member, Qing Tang, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine

- 2008 Qualifying Exam Committee Member, Lucas Tilley, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2008 Qualifying Exam Committee Member, Xuan Jiang, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2008 Qualifying Exam Committee Member, Naresha Saligrama, Doctoral Candidate, Cellular and Molecular Biology Program, University of Vermont College of Medicine
- 2008 Qualifying Exam Committee Member, Whitney Dottzler, M.D./Ph.D. Candidate, Cell and Molecular Biology Program, University of Vermont College of Medicine
- 2009 Qualifying Exam Committee Member, Jacqueline Leung, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2005-2009 Thesis Committee Member, Chunxiao Yu, Doctoral graduate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2006-2008 Thesis Committee Member, Sandhya Khurana, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2007-2009 Thesis Committee Member, Whitney Dottzler, M.D./Ph.D. graduate, Cell and Molecular Biology Program, University of Vermont College of Medicine
- 2007-2011 Thesis Committee Member, Jia Weng, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2007-2008 Thesis Committee Member, Benjamin Stark, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2007 Thesis Committee Member, Heng Guo, Master's Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Agricultural and Life Sciences
- 2008 Thesis Committee Member, Li Jingping, Master's Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2008-present Thesis Committee Member, Lucas Tilley, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine

- 2009-2012 Thesis Committee Member, John Midkiff, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2009-2013 Thesis Committee Member, Anahi Fernandez-Cuppari, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2009-2012 Thesis Committee Member, Dario Lirussi, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2009-2011 Thesis Committee Member, Xuang Jiang, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2010-present Thesis Committee Member, Joe Klaus, Doctoral Candidate, Cell and Molecular Biology Program, University of Vermont College of Medicine
- 2011-present Thesis Committee Member, Shruthi Krishnamurthy, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2011-present Thesis Committee Member, Jamie Meadows, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2011 Qualifying Exam Committee Member, Shruthi Krishnamurthy, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2012 Qualifying Exam Committee Member, Jenna Foderaro, Doctoral Candidate, Department of Microbiology and Molecular Genetics, University of Vermont College of Medicine
- 2011-2012 Thesis Committee Member, Heather Czaplá, Department of Biology, Master's Candidate, University of Vermont State and Agricultural College

Grant Support (past, current, and pending):

Past support:

- 1999-2003 Howard Hughes Postdoctoral Fellowship for Physicians; Project title: Characterization of the mechanism of apoptotic killing by *Entamoeba histolytica*
- 2001-2003 Co-Principal Investigator
Japan Health Sciences Foundation
Project title: Proteome analysis of *Entamoeba histolytica*

- 2004-2005 Principal Investigator
University of Vermont New Research Initiative
Project title: *Entamoeba histolytica* genetics using RNA-mediated interference
\$15,000
- 2004 Sub-Investigator at UVM
VaxGen, Inc.
Project title: VAX006: A phase 2 multicenter, randomized dose-finding trial of rPA102 (recombinant Anthrax antigen) vaccine in healthy adult volunteers
- 2006-2008 Co-investigator
Ace BioSciences and Naval Medical Research Center (co-sponsors)
Project title: *Campylobacter jejuni* Challenge Model Development: Dose-Ranging Study
- 2008 Co-investigator
Emergent Product Development UK Ltd.
Project title: A randomized, double-blind, placebo-controlled, single dose, dose escalation study to determine the immunogenicity, safety and tolerability of *S. typhi* (Ty2 aroC⁻ ssaV⁻) ZH9 at doses of 5.0 x 10⁹ CFU, 7.5 x 10⁹ CFU, 1.1 x 10¹⁰ CFU and 1.7 x 10¹⁰ CFU, following oral administration to healthy, typhoid vaccine naïve subjects in the USA.
- 2003-2009 Principal Investigator
NIH/NIAID K08 AI053678
Project title: *Entamoeba histolytica* phagocytosis of apoptotic host cells
Annual Direct Costs: \$124,100
- 2007-2010 Principal Investigator
American Society for Clinical Investigation Young Investigator Award
Project title: Molecular Mechanism of *Entamoeba histolytica* phagocytosis
Total Direct Costs: \$70,000
- 2009-2010 Principal Investigator
NIH/NIAID 3 R01 AI072021-02S1 (ARRA supplement)
Project title: Molecular Mechanism of *Entamoeba histolytica* phagocytosis
Total Direct Costs: \$99,450
- 2006-2011 Project Leader (one of five “junior investigator” projects)
NIH-COBRE 1 P20 RR021905
Vermont Immunobiology/Infectious Diseases Center
Project title: Mechanism of *Entamoeba histolytica* phagocytosis
Annual Direct Costs: \$146,061
- 2010-2012 Principal Investigator
The Campbell Foundation
Project title: Targeting human proteins for treatment of *Cryptosporidiosis*.
Total Direct Costs: \$63,636

2012-2013 Principal Investigator
Medicines for Malaria Venture (MMV) Challenge Grant
Project title: Repurposing anti-malaria drug leads to develop a treatment for cryptosporidiosis
Annual Direct Costs: \$50,000

2012-2013 Co-principal investigator with Gary Ward
Immunobiology COBRE pilot grant program
Project title: Novel methods for anti-cryptosporidial target identification
Annual Direct Costs: \$50,000

Current support:

2008-2013 Principal Investigator
NIH/NIAID 1 R01 AI072021
Project title: Molecular Mechanism of *Entamoeba histolytica* phagocytosis
Annual Direct Costs: \$200,000
This grant was posted as a sample R01 grant by the NIAID
(<http://www.niaid.nih.gov/ncn/grants/app/default.htm>)

2013-2015 Principal Investigator
NIH/NIAID 1 R21 AI101381-01
Project title: Novel approaches to develop a treatment for cryptosporidiosis
2013 Direct Costs: \$125,000

Pending review:

2013 Principal Investigator
Bill and Melinda Gates Foundation Grand Challenges Explorations
Project title: Bovine model for *Cryptosporidium*

2013 Principal Investigator
Wellcome Trust
Project title: Better drugs for cryptosporidiosis: hit-to-lead studies for confirmed MMV screening hits

2013 Principal Investigator
Harrington Discovery Institute; University Hospitals of Cleveland Scholar-Innovator Award
Project title: Novel drug leads for treatment of cryptosporidiosis

2013 Principal Investigator
NIAID R01 AI105105-01A1
Project title: Regulation of *Entamoeba histolytica* adherence

Patents and patent applications:

U.S. Provisional Patent Application No.: 61,566,331
Filing date: 12/2/2011 Recordation date: 2/10/2012

Entitled: METHODS OF DRUG IDENTIFICATION AND USE

Inventors: Christopher D. Huston; Kovi Bessoff

U.S. Provisional Patent Application No.: 61/669,822

Filing date: 7/10/2012

Entitled: METHODS AND COMPOSITIONS FOR TREATING INFECTIONS

Inventors: Christopher D. Huston; Kovi Bessoff

PCT Application No. PCT/US12/67360

Filing Date: 11/30/3012

Entitled: METHODS AND COMPOSITIONS FOR TREATING INFECTIONS

Inventors: Christopher D. Huston and Kovi Bessoff

Invited Extramural Presentations:

Huston CD. How *Entamoeba histolytica* kills host cells: implications for the pathogenesis of amebic colitis. In: Bobak D, chair. Symposium on Apoptotic Inflammation and Enteric Pathogens. *American Society of Tropical Medicine and Hygiene*. Washington, D.C. 1999.

Huston CD. Caspase 3-dependent killing of host cells by the parasite *Entamoeba histolytica*. In: Tannich E, Bruchhaus I, Leippe M, chairpersons. *International Symposium on Amoebiasis*. *Bernhard Nocht Institute for Tropical Medicine*. Hamburg, Germany. 2000.

Huston CD. Identification of the serine-rich *Entamoeba histolytica* protein as a potential receptor for phagocytosis of killed host cells. In: Petri WA, chairperson. *U.S.-Japan Cooperative Medical Science Program Parasitic Diseases Panel Annual Meeting*. NIAID. Charlottesville, Virginia. 2003.

Huston CD. Pathogenesis of Amebic Colitis. In: Manso Alves MJ, chairperson. *Brazilian Society for Protozoology 29th Annual Meeting for Basic Research in Chagas' Disease*. Caxambu, Minas Gerais, Brazil. 2004.

Huston CD. Infectious Diarrhea: a practical approach. Grand Rounds. Stephens Memorial Hospital, Norway, Maine. 2005.

Huston CD. Collectin-dependent phagocytosis by the intestinal protozoan *Entamoeba histolytica*. In: O'Toole G, chairperson. *Dartmouth College Microbial Pathogenesis Retreat*. Fairlee, Vermont. February, 2008.

Huston CD. Update on *Clostridium difficile*-antibiotic associated diarrhea. In: Petri, WA, chairperson. *The Michael F. Rein, M.D. Symposium on Infectious Diseases*. Charlottesville, Virginia. May, 2008.

Huston CD. Collectin- and calreticulin-dependent phagocytosis of apoptotic cells by *Entamoeba histolytica*. In: Kano S, chairperson. *43rd US-Japan Parasitic Diseases Panel Meeting*. NIAID. International Medical Center of Japan, Shinjuku, Tokyo, Japan. January, 2009.

Huston CD. *Entamoeba histolytica* endoplasmic reticulum (ER)-structure and ER-use during amebic phagocytosis. In: Nozaki T, chairperson. *E. histolytica Meeting* (at the 43rd US-Japan

Parasitic Diseases Panel Meeting. NIAID.). National Institute of Infectious Diseases. Tokyo, Japan. January, 2009.

Huston CD. Drug repurposing for *Cryptosporidium* using high throughput techniques. In: Lang D, Checkley W, and Houpt E, organizers. *Cryptosporidium: Global burden, novel diagnostics and therapeutics, and preventive strategies.* NIH-Bill and Melinda Gates Foundation Mal-Ed workshop. Philadelphia, PA. December, 2011.

Huston CD. Regulation of *Entamoeba histolytica* adherence and tissue invasiveness by the surface metalloprotease EhMSP-1. In: Johnson P, organizer. 5th International Conference of Anaerobic Protists (ICAP V). Los Angeles, CA. September, 2012.

Huston CD. Dual utility of a drug repurposing screen for *Cryptosporidium*: new therapeutic leads and chemical genetics to elucidate parasite biology. In: Deitsch KW and Striepen B, organizers. Marine Biological Laboratory Biology of Parasitism Course. Woods Hole, MA. June, 2013.

Bibliography:

Reviews and book chapters:

Huston CD, Petri WA. Host-pathogen interaction in amebiasis and progress in vaccine development. *European Journal of Clinical Microbiology and Infectious Diseases.* 1998. 17:601-614.

Huston CD, Petri WA. Amebiasis. In: Rakel RE, editor. *Conn's Current Therapy 2000.* 52nd ed. Philadelphia, Pa: W.B. Saunders Company. 1999. p. 56-59.

Petri WA, **Huston CD.** Agents for the treatment of urinary tract infections. In: Raffa RB, editor. *Quick Look Pharmacology.* 1st ed. Madison, CT: Fence Creek Publishers. 1999. p. 136-137.

Huston CD, Haque R, Petri WA. Molecular-based diagnosis of *Entamoeba histolytica* infections. *Expert Reviews in Molecular Medicine.* 1999. www-ermm.cbcu.cam.ac.uk/99000599h.htm.

Huston CD, Petri WA. Amebiasis: clinical implications of the recognition of *Entamoeba dispar.* *Current Infectious Disease Reports.* 1999. 1:441-447.

Petri WA, **Huston CD.** Leptospirosis. In: Schlossberg D, editor. *Current Therapy of Infectious Disease.* Philadelphia, Pa: W.B. Saunders Company. 2000. p. 642-643.

Huston CD, Haque R, Petri WA. Amebiasis. In: Rakel RE, editor. *Conn's Current Therapy 2001.* 53rd ed. Philadelphia, Pa: W.B. Saunders Company. 2000. p. 50-54.

Huston CD, Petri WA. Emerging and Re-emerging intestinal protozoa. *Current Opinion in Gastroenterology.* 2001. 17:17-23.

Huston CD, Purdy JE, Petri WA. *Entamoeba histolytica* (Amebiasis). In: Long S, Pickering L, Prober C, editors. *Principles and Practice of Pediatric Infectious Diseases*. 2nd ed. New York, NY: Churchill Livingstone. 2002. p. 1270-1274.

Huston CD, Purdy JE, Petri WA. Other *Entamoeba*, Amoebae, and Intestinal Flagellates. In: Long S, Pickering L, Prober C, editors. *Principles and Practice of Pediatric Infectious Diseases*. 2nd ed. New York, NY: Churchill Livingstone. 2002. p. 1274-1275.

Huston CD, Guerrant RL. Intestinal Protozoa. In: Feldman M, Friedman LS, Sleisenger MH, editors. *Gastrointestinal and Liver Diseases*. 7th ed. Philadelphia, PA: Churchill Livingstone. 2002. p. 1933-1950.

Boettner DR, **Huston C**, Petri WA. Galactose/N-acetylgalactosamine lectin: the coordinator of host cell killing. *Journal of Biosciences*. 2002. 27 (Suppl. 3):553-557.

Haque R, **Huston CD**, Hughes M, Houpt E, Petri WA. Current Concepts: Amebiasis. *New England Journal of Medicine*. 2003. 348:1565-1573. [Peer Reviewed]

Huston CD, Petri WA. Leptosporosis. In: Cecil RL, Goldman L, Bennett JC, editors. *Cecil's Textbook of Medicine*. 22nd ed. Philadelphia, PA: W.B. Saunders Company. 2003. p. 1939-1941.

Huston CD, Petri WA. Vaccines against *Entamoeba histolytica*. In: Levine MM, Kaper JB, Rappouli R, Liu M, Good M, editors. *New Generation Vaccines*. 3rd ed. New York, NY: Marcel Dekker, Inc. 2004. p. 927-936.

Petri WA, Mann BJ, **Huston CD**. Microbial adherence. In: Mandell GL, Bennett JE, Dolin R, editors. *Principles and Practice of Infectious Diseases*. 6th ed. Philadelphia, PA: Churchill Livingstone. 2004. p. 14-24.

Huston CD. Parasite and host contributions to the pathogenesis of amebic colitis. *Trends in Parasitology*. 2004. 20:23-26. [Peer Reviewed]

Huston CD. Intestinal Protozoa. In: Feldman F, Friedman LS, Brandt LJ, editors. *Sleisenger and Fordtran's Gastrointestinal and Liver Disease*. 8th ed. Philadelphia, PA: Saunders Company. 2006. p. 2413-2433.

Huston CD. Leptospirosis. In: Schlossberg D, editor. *Clinical Infectious Disease*. 1st ed. New York, NY: Cambridge University Press. 2008. p. 1139-1141.

Pierce K, **Huston CD**. Pathogenesis: Protozoan, Intestinal. In: Schaechter, M., editor. *Encyclopedia of Microbiology* 3rd edition. San Diego, CA: Elsevier, Inc. 2009. p. 696-705.

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