

## CURRICULUM VITAE

**Ronald Edward Blanton, M.D., M.S.**

### 1. PERSONAL DATA

Date of Birth: March 11, 1952  
Birth Place: Houston, TX  
Home Address: 2330 Lowerline Street  
New Orleans, LA 70118  
  
Business Address: Department of Tropical Medicine  
Tulane School of Public Health and Tropical Medicine  
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### Education

1974 B.A., Harvard University, Cambridge, MA  
Major: English literature  
Studies: Premedical studies, Anthropology, Spanish literature  
  
1979 M.D., Case Western Reserve Univ. School of Medicine, Cleveland, OH  
Special Electives: Hospital for Tropical Diseases, London, England

### Post-doctoral Training

1979-81 University of Illinois - Internship and Residency in Internal  
Medicine, Chicago, IL.  
  
1981-84 Infectious Diseases/Geographic Medicine Fellow  
Divisions of Geographic Medicine and Infectious Diseases  
Department of Medicine  
Case Western Reserve University School of Medicine  
and University Hospitals of Cleveland, Cleveland, OH  
Drs. Jerrold Ellner and Adel Mahmoud, Division Chiefs, Supervisors  
  
1982-84 Postdoctoral research training  
Department of Molecular Biology and Microbiology  
Case Western Reserve University  
Dr. Fritz Rottman, Department Head, Supervisor  
  
2000-03 M.S., Case Western Reserve University, Cleveland, OH  
Molecular and Genetic Epidemiology program  
Department of Epidemiology and Biostatistics  
Case Western Reserve University  
Dr. Robert Elston, Division Chief, academic advisor

Dr. Katrina Goddard, thesis advisor  
Thesis title: Candidate genes associated with schistosomal hepatic fibrosis  
(defended July 30, 2003).

## **2. PROFESSIONAL APPOINTMENTS**

1984-85 Instructor, Department of Medicine, University Hospitals of Cleveland.  
1985-92 Assistant Professor Medicine, Division of Geographic Medicine and Center for International Health, Case Univ. School of Medicine.  
1992-94 Associate Professor Medicine, Division of Geographic Medicine and Center for International Health, Case Univ. School of Medicine.  
1994-2019 Professor of Medicine, with tenure, Center for Global Health and Diseases, Case Western Reserve University, School of Medicine, Cleveland Veterans Administration Hospital and University Hospitals of Cleveland.  
1985-1994 Attending Physician Internal Medicine and Infectious Diseases, University Hospitals of Cleveland. Patient Care and Resident education 2 months per year.  
1994-2016 Attending Physician Internal Medicine and Infectious Diseases, Wade Park Veteran's Hospital and University Hospitals of Cleveland. Patient Care and Resident education 2 months per year.  
1985-2002 Traveler's Clinic, University Hospitals of Cleveland. Cumulative attending 1 month per year.  
1996-1997 Acting Head of the Division of Geographic Medicine  
1996-2019 Adjunct Professor Department of Biology, Cleveland State University  
2004-2019 Secondary appointment, Department of Biostatistics and Epidemiology (now Department of Population Quantitative Health Science)  
2019-present Adjunct Professor Department of Pathology, Case Western Reserve University  
2019-present Professor and Chair, Department of Tropical Medicine, Tulane School of Public Health and Tropical Medicine

## **3. BOARD CERTIFICATION AND LICENSURE**

1980 Diplomate National Board of Medical Examiners  
1981-2019 Ohio State Medical License  
1981-2014 Controlled Substance License  
1982 Diplomate American Board of Internal Medicine  
1988 American Board of Internal Medicine, Diplomate Certified in the Subspecialty of Infectious Diseases

## **LANGUAGE FLUENCY**

Portuguese conversation and reading, fluent. Writing adequate.  
Spanish reading and comprehension are good, conversation fluent in the past

## **4. PROFESSIONAL AND SCIENTIFIC SOCIETIES,**

1986-2000 Fellow of the American College of Physicians  
1985- present American Society of Tropical Medicine and Hygiene  
1991-1994 Young Investigators Award Committee  
1994-1996 Chairman of Young Investigators Award Committee  
1991 & 1993 Co-Chair Schistosome Molecular Biology Section  
1996-1998 Chairman of Membership Committee  
2014-present Brazilian Society of Tropical Medicine  
2017-present American Society of Microbiology

1994 Fellow of the American College of Physicians

### **JOURNALS REVIEWED/EDITORIAL BOARDS**

American Journal of Tropical Medicine and Hygiene  
Experimental Parasitology  
Journal of Infectious Diseases  
Clinical Infectious Disease  
Molecular and Biochemical Parasitology  
New England Journal of Medicine  
PLoS NTD  
European Journal of Human Genetics  
Memórias do Instituto Oswaldo Cruz  
1999-2009 Editor-in-chief, parasitology section, Microbial Pathogenesis.  
2017-Pres Section Editor Microbiology Spectrum: Advances In Molecular  
Epidemiology Of Infectious Diseases

### **5. PROFESSIONAL SERVICE STUDY SECTIONS**

1992 NIH Ad Hoc Study Section  
1993 NIH Ad Hoc Study Section  
2000 NIH Ad Hoc Study Section  
2001 NIH Ad Hoc Study Section  
2002 NIH Ad Hoc Study Section  
2002 NIH Review Panel for Research Reagent Resource Center  
2003-2007 VA Merit Award Study Section  
2004 NIH Ad Hoc SBIR study section: Small Business Vaccine Development  
Applications  
2008 NIH Fogarty International Frameworks For Global Health Reviews  
2009 NIH Contract Review: Population Genetics Analysis Program  
2009 – 2013 PubMed Central Advisory Committee  
2010-NIH GHD/GCAT Special Emphasis Panel  
2010-NIH Stage 2 Distinguished Editor Fogarty International Framework Program for  
Global Health Signature Innovations Initiative  
2010-NIH/Fogarty Distinguished Editor for the Recovery Act Limited Competition  
2010-2016 Fulbright Discipline reviewer  
2010-2016 Fulbright Regional reviewer  
2010-2013 Faculty Senate, Case Western Reserve University, Cleveland, OH  
2011 Clinical Research and Field Studies of Infectious Diseases Study Section  
2011 NIH Tropical Medicine Research Centers (TMRC) review Sept. 12, 13, and 14  
2011 NIH-Clinical Research and Field Studies of Infectious Diseases Study Section  
2012 NIH study Section ZRG1 IDM S 03  
2012 NIMHD Special Emphasis Panel (SEP)  
2013 NIH Genetic Variation and Evolution (GVE) study section June 13 & 14  
2014 Applicant review Wellcome Trust Training Fellowship in Public Health and  
Tropical Medicine for Dr Evaristus Mbanefo.  
2015 NIH Special Emphasis Panel/Scientific Review Group 2015/10 ZAI1 TT-M (S1)  
2016 NIH (NIAID SEP ZAI1 RRS M M1 study section, NIAID Clinical Trial Implementation Grant  
(R01)/PAR-13-150 NIAID Clinical Trial Planning Grant (R34)  
2016-2022 NIH Genetic Variation and Evolution (GVE) study section standing member  
2016-2021 Fulbright Specialist Candidate Program  
2018-pres External reviewer Oswaldo Cruz Foundation program in schistosomiasis  
research.

- 2020 Chair Emergency Awards: Rapid Investigation of SARS-CoV-2 and COVID-19, ZAI1-MSA-W-S2
- 2020 Outstanding Citizen Diplomat Award for 2020, New Orleans Citizen Diplomacy Council
- 2023 Dean E. Elaine Boston Award for outstanding commitment to students

## **6. UNIVERSITY, MEDICAL SCHOOL, HOSPITAL COMMITTEES**

- 1990-1992 Department of Medicine Promotions Committee
- 1991-1995 Faculty Committee on Equity in Professional Affairs.
- 1991 Task Force on Medical School Thesis requirement
- 1995-1998 Chairman BSTP Minority Recruitment Committee
- 1996-1999 Primary Care Tract Curriculum Committee
- 1998-2001 School of Medicine Committee on Appointments, Promotions and Tenure
- 2000 Judge for Lepow Medical Student Research Day
- 2001 Judge for Heart Lung and Blood training fellowship Summer Project Presentations, minority undergraduate students.
- 2003-2005 Center for Global Health and Diseases IRB committee, Chairman.
- 2006-2007 Member Committee on Promotions and Tenure
- 2007-pres. GCRC Protocol Review Committee
- 2008 Chairman School of Medicine Task Force on Global Health and the strategic plan
- 2008-2019. Clinical and Translational Science Collaborative grant reviewer
- 2010-2013 Senator, CWRU Faculty Senate
- 2017-2019 Department of Pathology CAPT

## **7. PAST AND PRESENT TEACHING ACTIVITIES TEACHING EXPERIENCE**

- 1984 Preceptor Physical Diagnosis, Phase II Clinical Science, CWRU
- 1985-2015 Attending Physician in General Medicine and Infectious Diseases services, VA Medical Center and University Hospitals of Cleveland 2 m/yr.
- 1989-1999. Annual Course in International Health, Section Director for Tropical, Viral, Bacterial, and Fungal Infections.
- 1999-2002 Co-director Annual Course in International Health, Center for International Health. 8-18 students per year. Lectures from 8-4P, 4 laboratories, 2 student presentations. Students are generally medical, pediatrics, family medicine residents, but on occasion there are physicians in practice, MPH students, nursing students. In addition to organizing the course I give 6 lectures and 2 laboratories.
- 1990-2007 Lecturer: Biological Basis for Disease Committee, Case Western Reserve Medical School, dengue, and schistosomiasis, lectures and laboratories. First year medical student class.
- 1996, 1998 Lecturer Bio 453 Cleveland State Graduate Course in Parasitology
- 1997-2007 Drug Action and Biodisposition Committee - Co-coordinator Antiparasitic Drugs section with Dr. Lester Webster. Second year medical class.
- 2002, 2004, 2006 Lecturer Pharm 434 Mechanisms of Drug Resistance – Graduate course
- 2002-pres Annual lecturer Brazilian course in molecular epidemiology, Salvador, Bahia, Brazil
- 2005-2018. Co-instructor EPBI 484 Geographic Medicine and Epidemiology
- 2005-2019. Lecturer Infectious Disease Fellows' Tropical Medicine Diplomate Series
- 2003-2019 International Medical School Electives Faculty Sponsor

2007-2010	Program design for the Medical Spanish elective
2007-2019.	Course director INTH 301/401 Fundamental Concepts in Global Health
2007-2019.	Elective director INTH 4002 Major Tropical Pathogens
2008	Program design for ongoing Medical Spanish courses
2008	Lecturer: Helminths. Case Western Reserve Medical School. First year medical student class.
2009	Course Director: Genetic Epidemiology for Epidemiologist, Federal University of Bahia
2010	Global Health: Outbreak Investigation in Real-Time - INTH 447 and Temas Especiais em Saúde Coletiva (TESC), Investigação e Análise de Surto e Endemias. Video course with Federal University of Bahia – ISCB92, Course co-director.
2016	Lecturer Portuguese course in molecular epidemiology, Lisbon
2016-2019	Medical School Year 2 Lecture: Helminths
2018	Co-course director study abroad: INTH 315/415 & BETH 315H/415H Water Security and Social Justice in Brazil: Multidisciplinary and Cross-Cultural Perspectives
2020	TMRD 6050 & 6090 Helminthology and Lab

## 8. PAST AND PRESENT RESEARCH SUPPORT

### Active

2017-2022	NIH 1R01AI121330-01A1 09/01/2017-08/31/2022 Principal Investigator. Environmental influences on urban schistosomiasis transmission and elimination
2021-2023	NIH 1R21TW011860-01 Yotsu, Rie Principal Investigator, MIND-the-Skin Project: Multi-functional Innovative Digital Toolkit for Skin Diseases in LMICs and Beyond. Role: Co-Investigator

### Pending

NIH U01DA053951 12/01/2020 - 11/30/2022	Co-PI. SARS-CoV-2 surveillance in sewage, an early warning tool for communities. Sherchan, Samendra P (PI).
NIH R01AI164707 07/01/2021-06/30/2026	PI Circulation and transmission of Gram Negative Antimicrobial Resistance from Community to the Hospital

### Inactive

1974-1975	United Nations Association Ralph Bunche Fellowship Self-reported outcome from folk medicine treatments on Peru's north coast. (\$5,000). Ronald Blanton, Principal Investigator.
1983-1984	National Foundation for Infectious Diseases Fellowship for research in tropical medicine. Ronald Blanton, Principal Investigator. Adel Mahmoud, sponsor.
1984-1989	Physician Scientist Award for research training in molecular biology and development of independent research. (\$284,174). Ronald Blanton, Principal Investigator.
1987-1989	Edna McConnell Clark Foundation, Program in Tropical Disease Research: Schistosomiasis Vaccine Development. Adel Mahmoud, PI. Ronald Blanton, Investigator.
1987-1988	Case Western Reserve Univ. Regent's Research Initiation Grant: RNA methylation patterns in <i>Schistosoma mansoni</i> . (\$5,000). Ronald Blanton, Principal Investigator.

1988-1993 Rockefeller TDR 91080, Identification and molecular cloning of *S. haematobium* protective antigens. (\$15,624). Adel Mahmoud, PI. Ronald Blanton, Project Director.

1989-1994 NIH FIRST Award A127317. Gene regulation during transformation in *Schistosoma mansoni*. (\$350,000 TDC). Ronald Blanton, PI.

1990-1994 John D. and Catherine T. MacArthur: Program on molecular biology of parasitism-schistosome life cycle. (\$10,000). Ronald Blanton, Project Director.

1990-1995 National Institutes of Health, AI15351: "Tropical Disease Research Unit." James W. Kazura, PI. Ronald Blanton, Director Core Unit B.-*S. mansoni* Life Cycle.

1992-1994 Thrasher Foundation: The impact of mild *Schistosoma mansoni* infection on childhood growth and development. Ronald Blanton, Principal Investigator.

1992-1994 USAID: Development of Diagnostic reagents from *Schistosoma haematobium*-specific antigen. Ronald Blanton, Principal Investigator.

1992-1994 Howard Hughes Medical Institute, Fellowship for John Ogundipe. Ronald Blanton, sponsor.

1993-1996 NIH 1R03 TW00292: Mechanisms for Nutritional Deficits in Schistosomiasis. Ronald Blanton, Principal Investigator.

1994-1998 NIH R01 AI35935 - Cytokine regulation of *Schistosoma mansoni* induced pathology in the baboon. Ronald Blanton, Co-Investigator.

1994-1999 NIH 1P01 AI33061: Infectious & Parasitic Disease Research in Africa-Project 3 Echinococcosis: Recombinant antigens for serodiagnosis.. Ronald Blanton, Project 3 Director.

2000 CNPq visiting Professor, Centro de Pesquisas Gonçalo Moniz Research (June-August) Center, Bahia, Brazil.

1997-2003 NIH R01 AI41680 - The genetics of severe hepatic fibrosis in schistosomiasis mansoni. 30% effort, Ronald Blanton, Principal Investigator.

1998-2002 NIH Fogarty 645 1570, PI James Kazura, Ronald Blanton, co-investigator

1998-2004 NIH ICIDR 5 U01 AI45473-04 Urinary Schistosomiasis: Determinants of Infection and Disease. Charles King, PI. 10% effort, Ronald Blanton.

2003-2005 NIH R21 AI056263 - Host Genetics and Symptomatic Dengue Infection (40% effort). Ronald Blanton, Principal Investigator.

2003-2005 Transmission of Rift Valley Fever in Kenya Supplemental Funding to ICIDR 1U01-45473. Charles King, PI. 10% effort, Ronald Blanton.

2005-2009 NIH R01 AI054711 New approaches for schistosome vaccine antigen discovery and testing. Chris King, PI. Ronald Blanton, Investigator, 20% effort.

2006-2008 Fogarty Framework for Global Health R25 TW07735, Ronald Blanton Principal Investigator

2007-2013 NIAID R01 AI069195-05A1 3/01/07-8/31/13 Principal Investigator: Title: Recurrent treatment: Effects on rural and urban *S. mansoni* population structure"

2008-2014 NIH R01 AI076305 4/01/08-3/31/12 Principal Investigator: Title: Host genetic contribution to HCV treatment outcomes.

2014-2016 Special Visiting Professor, Brazilian Science Without Borders Program

2015-2016 Washington University in St. Louis, Bill and Melinda Gates Foundation

- Co-Investigator IDA Triple drug therapy. Trials of new regimens and dosing schedules to identify more effective therapies for filariasis and onchocerciasis. (J Kazura, PI)
- 2017-present NIH R01 AI121330-01A1 Blanton, PI. Environmental influences on urban schistosomiasis transmission and elimination
- 2021-present NIH R21TW011860 Yotsu and Blanton, PIs. MIND-the-SKIN Project: Multi-functional Innovative Digital Toolkit for the Skin Diseases in LMICs and Beyond

## 9. RESEARCH EXPERIENCE

### Basic Research Areas:

- 1983-1994 Developmental gene expression of *Schistosoma mansoni*.
- 1994-1999 Diagnosis of *Echinococcus granulosus*.
- 1995-2000 Isolation and characterization of schistosome serpins.
- 1996-2004 The genetics of severe hepatic fibrosis: host and parasite factors.
- 1997-pres. Development of population genetic studies in schistosome pooled samples using microsatellites.
- 2000-2004 Relationship between schistosomal fibrosis and hepatitis C.
- 2008-2014 Genetics of resistance to HCV
- 2004-2008 The genetics of dengue hemorrhagic fever
- 2007-pres Population genetics of schistosomes and control measures
- 2015-pres Antimicrobial resistance in surface waters

### Field and Clinical Research Areas:

- 1974-75 Folk medicine, self reported outcomes, North Coast Peru.
- 1984 RNA isolation from a Brazilian strain of *S. mansoni* at the Oswaldo Cruz Foundation, Salvador, Brazil.
- 1986 Treatment program and egg collection from Kenyan school children infected with *S. haematobium*.
- 1990 RNA isolation for *Echinococcus granulosus* and gel electrophoresis, Nairobi, Kenya. Oxfendazole trial in goats for *E. granulosus* infection.
- 1992-94 Field study of growth development of *S. mansoni*-infected children in N.E. Brazil and associated TNF levels.
- 1992 Survey of intensity of *S. haematobium* infection post therapy, Mombasa, Kenya.
- 1994-1999 Five year longitudinal ultrasound and serological survey of hydatid disease in Turkana nomads, Kenya.
- 1999 The use of oxfendazole in the treatment of hydatid disease
- 1997-2000 Growth and development of school-aged children infected with *S. mansoni* and/or geohelminths, Brazil.
- 1998-2002. Epidemiology and Genetic basis of schistosomal hepatic fibrosis (host and parasite) in Egypt and Kenya.
- 2004-present Genetic epidemiology of schistosomiasis and dengue in Brazil
- 2015-2018 Worldwide therapeutic trials for control and eradication of filariasis
- 2015-pres Antimicrobial Resistance Brazil

## 10. TRAINEES and STUDENT INTERACTION

### Students

- 1987-88 Cathy Loula, M.D., psychiatrist, Brigham Women's and Children's Hospital, Harvard University Affiliate, Boston, MA.

- 1992-2002. Squibb Heart Warmer's Scholarship Program, High school student projects.
- 1996 & 1997 Julian Lum, Ph.D., Undergraduate research summer project, Post Doctoral student.
- 1997-1999 Aisha Mays, Case Western Reserve University School of Medicine, Student.
- 1997-2000 Kentaro Yamada, Case Western Reserve University School of Medicine, Resident. Ophtalmologist, Scripps San Diego
- 2000 Saint-Aaron Morris, MD, Neurosurgeon, Houston
- 2001 Adeola Okusami Supervisor Heart Lung and Blood Summer Project May 26-August 3 and May 2002, Medical student.
- 2005-2007 Erica Waite co-Supervisor master's thesis, Department of Pathology, CWRU
- 2007 Anita Sadhu Laboratory Supervisor undergraduate thesis work, Department of Biochemistry, CWRU
- 2005 Gentry, Millicent, 1<sup>st</sup> year medical student, *Aedes aegypti* microsatellites
- 2006 Morris, St-Aaron, undergraduate, *Aedes aegypti* microsatellites
- 2007 Drummond, Alrick, highschool student, *S. mansoni* microsatellite discovery
- 2008 Drew Kouri, undergraduate Dengue transmission modeling
- 2008 Steven Chad Skidmore , undergraduate Dengue transmission modeling
- 2008 Arielle Kanters, medical student Dengue transmission modeling
- 2008 Mathew Test, medical student *Schistosoma mansoni* microsatellites and population dynamics
- 2008 Kelvin Rodriguez Mattos, undergraduate, summer internship
- 2012 Del Toro, Andrea, medical student *Aedes aegypti* microsatellites
- 2013 Martinez, Dionisio, IL28B genotyping
- 2010-2012 Mbah Anyangwe, undergraduate summer intership
- 2012-2013 João Fonseca, undergraduate, distribution of Brazilian genetic ancestry
- 2010-2014 Peace Aminu, *S. mansoni* population dynamics and fecal contamination of surface water
- 2012-present Rafael Ponce Terishima, M.D., ID fellow, now assistant prof. Mercer University, Macon, GA, spatial analysis of infectious diseases
- 2014 Jessica Asirwantham, undergraduate, fecal contamination of surface water
- 2013-2015 Kristen Ferguson, high school, *S. haematobium* microsatellite discovery
- 2014 Dylan Arnold, high school, John Hay, *S. haematobium* microsatellite discovery
- 2018-2019 Olivia Batustoni, CWRU undergraduate, schistosome population genetics
- 2019 Lillian Copeland, Spellman College undergraduate, schistosome population genetics
- 2019 Chongyu Wang, Xavier high school, schistosome population genetics

### **Fellows**

- 1988-90 Timothy Flanigan, M.D., Director Infectious Diseases at Miriam Hospital, Brown University Affiliate, Boston.
- 1992-94 John Ogundipe, M.D., Ph.D., Howard Hughes Fellow, Private practice, Atlanta, GA.
- 2011-2013 Rafael Ponce Terashima, M.D., ID fellow, University
- 2014-2015 Patricia Bartley, ID fellow, environmental antimicrobial resistance

### **Graduate Students**



- 1986-88 Co-Supervisor Mitermayer Reis, M.D., Ph.D. Research Scientist, Former director of the Oswaldo Cruz Foundation Research Center, Salvador, Bahia, Brazil, Ph.D. candidate
- 1993-1997 Co-Supervisor Jiacheng Yang, Research Scientist, gene chip industry.
- 1998-1999 Co-Supervisor Jeffrey Bailey, genetics of schistosome infections, Department of Genetics for M.D., Ph.D., Case Western Reserve University.
- 1997-1998 Advisor, Mohamed Said Orloff, B.A., National Museums of Kenya, Ph.D. candidate.
- 2003 Nusat Kaushal, Professor, Lucknow University, supervised work on microsatellites of *Brugia Malayi*
- 2004-2009 Co-Supervisor Paulo Melo, M.S., Oswaldo Cruz Foundation, Ph.D.
- 2006-2009 Advisor, Antonio Parrado, Case Western Reserve University, Ph.D. candidate
- 2010-2014 Medical student thesis reviews
- 2013 Ntombi Muenda, VMD, thesis work at Louisiana State University
- 2010-2014 Lúcio Barbosa, Ph.D., supervised Ph.D., thesis work
- 2014-present Vanessa Moretto, Ph.D. co-supervisor
- 2022-present Kathleen Kuesters, Ph.D. supervisor
- 2023-present Claire Schwarze, M.S. supervisor

#### **Post-Doctoral Students**

- 1996-1997 Jilang Shang, M.D., Vice-President Han Fu Hospital, An Hui Province, China.
- 1997, 1999, 2002 Nuzhat Kaushal, Rockefeller Research Fellow, Research Scientist Central Drug Research Institute, Lucknow, India (3-4 month periods).
- 1997, 1999, 2000 Thiong'o (Frederick) Waithaka, Summer Research Fellowships (3-4 month periods).
- 1997-1998 Nora El Bassiouny, M.D., Theodor Bilharz Institute, Cairo, Research Scientist.
- 2004-2006 Luciano Kalabric Silva, Ph.D., Oswaldo Cruz Foundation, Brazil
- 2010 M. Glória Texeira, M.D., Ph.D., Federal University of Bahia, Brazil
- 2012 Samaly Souza, Ph.D., post-doctoral work on immunolocalization in *S. mansoni* snail hosts
- 2014-2018 Lúcio Barbosa, Ph.D., supervised project on surface water risk for disease transmission

#### **Thesis Committee**

- 1992 Ph.D. Committee Peter Zimmerman, Department of Biology, Case Western Reserve University.
- 1991-94 Ph.D. Committee Mitermayer Reis, Lecturer, Molecular Biology, Oswaldo Cruz Foundation, Salvador, Brazil.
- 1995-97 Ph.D. Committee Jiacheng Yang, Cleveland State University.
- 1998-1999 Ph.D. Committee Jeffrey Bailey, Department of Genetics, Case Western Reserve University School of Medicine.
- 2001 Ph.D. Committee Khaled Ismail Ghaleb, Cairo University
- 2000-2002 Ph.D. Committee Tongmin Wang, Cleveland State University
- 2006-2008 Ph.D. Committee Antonio Parrado, Department of Epidemiology, Division of Genetic Epidemiology, Case Western Reserve University School of Medicine
- 2007-2009 Ph.D. Committee Jeana DaRe, Department of Genetics, Case Western Reserve University School of Medicine

- 2015-2016 Ph.D. thesis committee, Kenji Ishida Dept. Biology, Case Western Reserve University
- 2020 Comprehensive Exam Defense Josh Hart 3/10/2020
- 2019-2020 Ph.D. thesis committee, Muharib Faris A. Alruwaili, Department of Tropical Medicine, Tulane School of Public Health and Tropical Medicine.

## 11. INVITED LECTURES

- 1991 Meharry Medical College Eighth Tropical Diseases Symposium. Nashville, TN.
- 1993 4<sup>th</sup> International Symposium on Schistosomiasis, Rio de Janeiro, Brazil.
- 1994 Meharry Medical College Tenth Tropical Diseases Symposium. Nashville, TN.
- 1995 5<sup>th</sup> International Symposium on Schistosomiasis, Oct. 13. The function and tegumental localization of schistosome serine protease inhibitors. Salvador, Brazil.
- 1997 15<sup>th</sup> Brazilian Congress on Parasitology Oct 30 Salvador, Brazil. Utility of recombinant proteins in the diagnosis of cystic hydatid disease.
- 1998 Family practice lecture series: Environment and International Health, Hemorrhagic fever viruses. April 23 –University Hospitals, Cleveland, OH
- 1999 Role of host genetics and parasite strains on morbidity. Symposium on Morbidity in Human Schistosomiasis. American Society of Tropical Medicine Annual Meeting.
- 2001 Is BCG a hookworm vaccine? Brazilian Society of Tropical Medicine March 11<sup>th</sup> Salvador, Brazil.
- 2001 Overview of hemorrhagic fever viruses. Wade Park Veteran's Hospital Resident orientation, Cleveland OH. August 11.
- 2001 Microsatellite analysis of schistosome populations. 12<sup>th</sup> International Symposium on Schistosomiasis. December 11, Recife, Brazil
- 2002 Analysis of population genetics for *Schistosoma mansoni*. Research seminar U. C. Berkeley School of Public Health. August 20.
- 2002 "Approaches to *Schistosoma mansoni* genetics: the host and the parasite." Research seminar NIAID, NIH, Rockville, MD. October 3.
- 2002 "Population-specific morbidity and disease interactions of *Schistosoma mansoni* and hepatitis C", 7<sup>th</sup> International Conference of Emerging Infectious Disease in the Pacific Rim. Shanghai, China.
- 2003 The genetics of schistosomal fibrosis.. 14<sup>th</sup> International Symposium on Schistosomiasis. November 2, Salvador, Brazil.
- 2003 Candidate Genes for Schistosomal Fibrosis. The International Exhibition and Conference On Medical Diagnostic Laboratory, Radiology, and Ultrasonography Equipment, Cairo International Convention Center from 13 - 15 December.
- 2008 Scientific Session Oswaldo Cruz Foundation Salvador, Brazil "Wanted: Genetics in the service of public health" July 25
- 2008 African ancestry and income are independently associated with risk for dengue hemorrhagic fever. XVIII IEA World Congress of Epidemiology and the VII Brazilian Congress of Epidemiology Porto Alegre, Rio Grande do Sul, Brazil Sept. 22
- 2008 Risk Factors for Dengue Hemorrhagic Fever. XVIII IEA World Congress of Epidemiology and the VII Brazilian Congress of Epidemiology Porto Alegre, Rio Grande do Sul, Brazil. Sept. 23

2009	Genetics and its applications in Public Health. Universidade Estadual de Santa Cruz, Ilheus, Bahia, Brazil, August 12.
2015	International Symposium on Schistosomiasis Population genetics of <i>S. mansoni</i> , Salvador, Bahia, Brazil Aug 10.
2018	International Symposium on Schistosomiasis The Efficacy of Repeated Treatments, Rio de Janeiro, Brazil Aug 3.
2020	10 <sup>th</sup> Annual Researcher's Forum lecture: Scientific evolution: from a minimalist to a holistic perspective [ <i>A evolução científica: da visão minimalista para a visão integrativa</i> ], Salvador, Bahia, Brazil Nov 20.
2023	Infectious Disease Citywide. Schistosomes: the persistente pathogens. 5/12/23.

## 12. PUBLICATIONS

### PEER-REVIEWED JOURNALS

1. **Blanton R**, Horowitz S, Dos Reis MG, Rottman F, Andrade Z, Mahmoud AA. Stage and species specificity of antigens encoded by two geographic strains of *Schistosoma ansoni* mRNA. *J Parasitol*. 1986 Jun;72(3):445-453.
2. Davis AH, **Blanton RE**, and Klich P. Stage and sexual specific differences in actin gene expression in *Schistosoma mansoni*. *Molec Biochem Parasitol* 17:289-298, 1985.
3. **Blanton RE**, Davis A, Rottman F, Maurer R, and Mahmoud AAF. Three developmentally regulated genes identified by clones from an adult *Schistosoma mansoni* cDNA expression library. *Trans Am Assoc Phys* 98:101-106, 1985.
4. Davis AH, **Blanton RE**, Rottman F, Maurer R, and Mahmoud AAF. Isolation of cDNA for differentially expressed genes of the human parasite *Schistosoma mansoni*. *Proc Natl Acad Sci* 83:5534-5538, 1986.
5. **Blanton R**, Loula EC, Parker J. Two heat-induced proteins are associated with transformation of *Schistosoma mansoni* cercariae to schistosomula. *Proc Natl Acad Sci U S A*. 1987 Dec;84(24):9011-4. PMID: PMC299681.
6. Matsumoto Y, Perry G, Levine RJ, **Blanton R**, Mahmoud AA, Aikawa M. Paramyosin and actin in schistosomal teguments. *Nature*. 1988 May 5;333(6168):76-78.
7. Reis MG, Kuhns J, **Blanton RE**, and Davis AH. Location and expression of a female specific mRNA in *Schistosoma mansoni*. *J Molec Biochem Parasitol* 32:113-120, 1989.
8. **Blanton RE**, Okelo GBA, Kijobe J, and King CH. Antibody responses to in vitro translation products following albendazole therapy for *Echinococcus granulosus*. *Antimicrob Agents Chemother* 35:1674-1676, 1991.
9. **Blanton RE**, Matsumoto Y, Peters PAS, El Ibiary S, King CH, Mahmoud AAF, and Aikawa M. Ultrastructural localization of a protective 68,000 molecular weight antigen on *Schistosoma mansoni* *Am J Trop Med Hyg* 45:112-120, 1991.
10. **Blanton RE**, Licate LS. Developmental regulation of protein synthesis in schistosomes. *Mol Biochem Parasitol*. 1992 Apr;51(2):201-208.
11. Foster CB, Flanigan TP, DeStigter KK, **Blanton R**, Dumenco LL, Gallagher C, Ratnoff OD. Inhibition of the activation of Hageman factor (factor XII) by extracts of *Schistosoma mansoni*. *J Lab Clin Med*. 1992 Nov;120(5):735-739.
12. **Blanton RE**, Licate LS, Aman RA. Characterization of a native and recombinant *Schistosoma haematobium* serine protease inhibitor gene product. *Mol Biochem Parasitol*. 1994 Jan;63(1):1-11.

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