

**CLAUDIA PATRICIA HERRERA BERNAL PhD.**  
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## **PERSONAL INFORMATION**

**LANGUAGES:** Spanish (native language), English (fluent), French (reading, comprehension, good and conversation basic), Portuguese (comprehension- basic).

## **EDUCATION AND TRAINING**

- Senior Postdoctoral Fellow, Molecular Epidemiology of Chagas Disease. Department of Tropical Medicine. School of Public Health and Tropical Medicine, Tulane University, New Orleans, LA.
- Postdoctoral Fellow, Institut de Recherche pour le Développement (IRD), UMR 224, Maladies Infectieuses Vecteurs : Ecologie, Génétique, Evolution et contrôle (MIVEGEC) in La Paz, Bolivia.
- PhD-Doctor of Science-Biology, Biological Sciences (PhD). University of Los Andes, Bogotá.
- Master/Diploma of Advanced Studies (DEA). Department of Cell Biology and Parasitology. Faculty of Pharmacy. Universidad de Valencia. Valencia, Spain.
- Master in Microbiology (M.Sc.) / Tropical Parasitology. Characterization of *Toxoplasma gondii* strains isolated from pigs. Research Center in Microbiology and Tropical Parasitology - CIMPAT. University of Los Andes, Bogota.
- Management and Administration in Health and Social Development Specialization Degree. Centro de Estudios en Administracion en Salud (Center of Studies in Health Administration), CEADS. Ministerio de la Protección (Ministry of Health). Bogota, Colombia.
- Diplomate of Advanced Studies in Medical Parasitology. Faculty of Medicine. Universidad Nacional Autonoma de Mexico- UNAM. Mexico.
- Microbiologist BSc. Department of Biological Sciences, University of Los Andes, Bogota, Colombia.

## **PROFESSIONAL POSITIONS**

- 2023-** Vicepresident Delta Omega Honor Society. Eta Chapter- School of Public Health and Tropical Medicine. Tulane University.
- 2021-** Fellow, SCIALOG Mitigation Zoonotic Threats- MZT Initiative. Research Corporation for Science Advancement and U.S. Department of Agriculture-USDA.

- 2020-** Assistant Professor (tenure track). Department of Tropical Medicine. School of Public Health and Tropical Medicine, Tulane University, New Orleans, LA.
- 2020-** Fellow, Center for Emerging Reproductive and Perinatal Epidemiology, School of Public Health and Tropical Medicine, Tulane University, New Orleans, LA.
- 2017-** Faculty, Stone Center for Latin American Studies, Tulane University, New Orleans, LA.
- 2015-2020** Research Assistant Professor. Department of Tropical Medicine. School of Public Health and Tropical Medicine, Tulane University, New Orleans, LA.
- 2015-** Newcomb Fellow Faculty, Newcomb College Institute, Tulane University, New Orleans, LA.

## HONORS & AWARDS:

- **SCHOLARSHIPS**

- 2011** Scholarship, Postdoctoral research. Centre IRD-EGIDE accueil français pour l'international et les échanges EGIDE-IRD. France/Bolivia.
- 2007** Scholarship for First Interactive Training Course for Functional Genomics and Proteomics of Insect Disease Vectors in Latin America. WHO, TDR, Universidad de Antioquia, PECET. Medellin, Colombia, June 18 to 30, 2007.
- 2003-2007** Scholarship from COLCIENCIAS. National Doctorates, Colombia.

- **AWARDS**

- 2023-** Vicepresident Delta Omega Honor Society. Eta Chapter- School of Public Health and Tropical Medicine. Tulane University.
- 2023** COR/ Carol Lavin Faculty Grant. Tulane University. Travel Award
- 2022-2023** COR Research Fellowships. Tulane University. Research Award.
- 2020-2021** ByWater Institute Faculty Fellowships Award.
- 2018-2019** ByWater Institute Faculty Fellowships Award.
- 2016-2017** Carol Lavin Faculty Grant. Tulane University. Research Award.
- 2013** Recognition from Latin American Federation of Parasitology (FLAP) for the organization and coordination of the Second International Workshop in molecular parasitology.
- 2006-2009** Recognition from COLCIENCIAS (Colombia) to the group of parasitology and Toxoplasmosis of University of Los Andes. Category C. Leader group.
- 2006-2008** Recognition from University of Los Andes- Faculty of Sciences as best professor/lecturer. Course: Administration Tools for Microbiologists.
- 2005** Award for best research- Poster presentation of the Faculty of Sciences, University of Los Andes in September 2005, for research entitled "Standardization of PCR technique for the differentiation of *Trypanosoma cruzi* in TCI and TCII groups, isolated from vectors, reservoirs and humans from different areas of Colombia." Investigator. Project founded by the Faculty of Sciences, University of Los Andes, Colombia.
- 2003** Recognition from University of Los Andes -Faculty of Science as best professor/lecturer. Course: Laboratory of Immunology.

## CONSULTANCIES

### A. SERVICE

#### PROFESSIONAL MEMBERSHIPS AND OFFICES

- 2023-** American Society of Microbiology, Member.  
**2020-** The American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP), Member.  
**2017-** Stone Center for Latin American Studies- Faculty, Tulane University, New Orleans, LA.  
**2014-** Member, Baylor College of Medicine National School of Tropical Medicine, Houston, TX.  
**2013-** American Society of Tropical Medicine and Hygiene, Member.  
**2012-2014** Colombian Association of Infectiology, ACIN, Colombia.  
**2007-** Colombian Association of Parasitology and Tropical Medicine, ACPMT, Colombia.

#### NATIONAL/INTERNATIONAL COMMITTEES/ ADVISORY BOARDS

##### *STANDING COMMITTEES*

- 2023-** Vicepresident Delta Omega Honor Society. Eta Chapter- School of Public Health and Tropical Medicine. Tulane University.  
**2023-** Co-Chair of the USA Chagas Disease Consortium. United States.  
**2022-** Board of directors Colombian Association of Parasitology and Tropical Medicine, ACPMT, Colombia.  
**2021** Scientific Advisor National Institute of Health- National Public Health Research Institute (INSPI), Ministry of Public Health, Guayaquil, Ecuador.  
**2014-2015** Scientific Advisor, Chagas Network, Colombia

##### *REVIEW COMMITTEES*

- 2024** **Ad-hoc reviewer NIH Study Sections.** TBZ Vector Biology study. June 24-25  
**2023** **Ad-hoc reviewer NIH Study Sections.** PTHE. The Pathogenic Eukaryotes. Aug 8-9.  
**2020** **Ad-hoc reviewer NIH Study Sections.** NCI- SARS-CoV-2 Serological Sciences Center of Excellence- U54. Aug 17-18.  
**2018** **Ad-hoc reviewer NIH Study Sections.** TBZ Vector Biology study Oct.15-16.

##### *EDITORIAL BOARDS*

- 2022-** Frontiers in Tropical Diseases **Associate editor.**

**2022-** Revista Asociación Mexicana de Parasitología- **Academic editor.**  
**2020-** PLOS NTD **Associate editor.**  
**2019- 2020** PLOS NTD **Guest editor.**  
**2018-** PLOSOne Board member- **Academic editor.**

## **OTHER SERVICE**

### **A. Peer-Review Activities**

Invited reviewer Pan American Journal of Public Health/ PAHO.  
 Invited reviewer for The Journal of Infectious Diseases.  
 Invited reviewer for Infection Genetics and Evolution. IGE.  
 Invited reviewer for Acta Tropica. (3 reviews from 2020-2021).  
 Invited reviewer for Parasites & Vectors.  
 Invited reviewer for Trends in Parasitology.  
 Invited reviewer for Journal of Medical Primatology.  
 Invited reviewer for Journal of the American Association for Laboratory Animal Science.  
 Invited reviewer for Transactions of The Royal Society of Tropical Medicine and Hygiene  
 Invited reviewer for BIOMEDICA.  
 Invited reviewer for Infectio Journal Colombian Association of Infectology. ACIN.  
 Invited reviewer for COLCIENCIAS to evaluate pre-projects and projects in the field of Parasitology and Tropical medicine: Toxoplasmosis, Chagas disease, Amebiasis, Leishmaniasis, Dengue.  
 Invited reviewer for UNU-BIOLAC. Latino American United Nations University to evaluate projects for training of researchers.

### **B. Conference Committees**

**2023** Organizing committee XIX Colombian Conference of the Parasitology and Tropical Medicine. Monteria Colombia. December 2024.  
**2019** Organizing committee XVII Colombian Conference of the Parasitology and Tropical Medicine. Cali Colombia. December 4- 6 2019.  
**2013** Coordinator of the Second International Course on Molecular Epidemiology of Parasites. In the XXI Congress of the Latin American Federation of Parasitology - FLAP. Guayaquil Ecuador. October 24, 2013.  
**2011** Pre-congress Course Coordinator: Molecular Epidemiology of Parasites. Under the XX Congress of the Latin American Federation of Parasitology - FLAP. University of Los Andes. Bogota- Colombia. September 23-27, 2011.  
**2011** Organizing Committee XX Conference of the Latin American Federation of Parasitology - FLAP. University of Los Andes. Bogota. September 27 to October 1, 2011.  
**2009** Leader of the Toxoplasmosis and General Parasitology Group, recognized by COLCIENCIAS in 2006-2009, category C.  
**2001** Workshop for the diagnosis of Chagas disease, Bogota-Colombia. February 2-23,  
**1999** Organizing Committee Workshop Course Etiological Treatment and Management of Chagas disease. Bogota-Colombia. July 8-9, 1999.

**1997** Organizing Committee of the Second National Meeting of Blood Banks as monitors of human infection with *Trypanosoma cruzi*. University of Los Andes. Bogota-Colombia, February 13-14, 1997.

## **B. TEACHING EXPERIENCE:**

### **COURSE NAME (CREDITS) AND DATES TAUGHT**

**2023** TDRM 6040-01 Early Intro to Lab Research- Annual Fall (0 credits).  
**2022-** TDRM 6040-01 Early Intro to Lab Research- Annual Fall (0 credits).  
**2022-2024** SPHU 4910-01 Independent Study (3 credits).  
**2019-2024** SPHU 1020-02 Cell, Individual & Community (3credits) TR 09:30am - 10:45am.  
**2021** BMSP 7990-28 Chagas Phylogeographic Analysis (1 credit).  
**2020** SPHU 1020-03 Cell, Individual & Community (3credits) TR 09:30am - 10:45am.  
**2020** BMSP 7500-5 Interdisciplinary Chagas Proj1 (3 credits).  
**2019-2020** GBCH 7160-02 Chagas Disease Research. School of Medicine. Tulane University (3 credits).  
**2019** SPHU 4550-02 Capstone Independent Study (1 credit).  
**2019** SPHU 4910-06 Independent Study (3 credits).  
**2019-2020** Chagas Independent Study course. School of Medicine GBCH program. Tulane University. (3 credits).  
**2016-2018.** SPHU 4910-01 Independent Study (3 credits).  
**2012** Instructor of the Microbiology Seminar. Faculty of Science University of Los Andes, Bogota-Colombia (3 credits).  
**2010-2011** Instructor of pre-practice program. Faculty of Sciences. University of Los Andes. Bogota-Colombia.  
**2007-2011** Instructor of Applied Management Tools in the laboratory. Faculty of Sciences University of Los Andes. Bogota-Colombia (3 credits).  
**2005-2010** Instructor of Parasite Ecology module. Ecology Course. University of Los Andes. Bogota-Colombia (2 credits).  
**2001-2006** Instructor of Immunology Laboratory. University of Los Andes. Bogota-Colombia (2 credits).  
**2001-2006** Instructor of the Organisms Biology Laboratory for Engineers. University of Los Andes, Bogota-Colombia (2 credits).

### **GUEST LECTURES/SEMINARS**

**2023** Guess Lecturer: Precollege summer program July 19-20.  
**2023** Guess Lecturer: Precollege summer program June 21- 22.  
**2023** Seminar Series. Department of Zoology. Southern Illinois University- Carbondale.  
**2023** Grand Round training DePaul Community Health Center. Chagas disease in the US. May 24.  
**2023** Grand Round training East Jefferson Hospital- Family residents. Chagas disease in the US. February 15.  
**2022** Pediatrics Grand Rounds. Children's Hospital New Orleans. Chagas disease in the US. October 5.  
**2022** Invited speaker. Preventive Cardiovascular Nurse Association. May 11.  
**2022** Guess Lecturer: SPHU-4220-01 Latino Health in the US. Instructor Eva Silvestre.

- 2021-present** Trop-G journal club Students from Mexico, France, USA (Gulf of Mexico initiative). Weekly meetings (Spring-Fall).
- 2021** Guess Lecturer: SPHU-4220-01 Latino Health in the US. Instructor Eva Silvestre
- 2021** Chagas Book Club. SPHTM s and School of Medicine students. Weekly meeting (Fall).
- 2018** New Orleans Infectious Disease Citywide Ochsner Medical Center. September 21st, 2018. Conference: Revisiting Chagas disease in the United States 2: Do we really know enough?
- 2017** Seminar Series. Vector-Borne Infectious Diseases Research Center. Tulane University. New Orleans- USA. July 6. 2017. Conference Molecular identification and genotyping of *Trypanosoma cruzi* DNA in autochthonous Chagas disease patients from Texas.
- 2016** Seminar Series. Department of Tropical Medicine. Tulane University. New Orleans- USA. November 7. Conference A Framework for a Bilateral Partnership in Tropical Disease Research: Reflections from Undergraduate Student Fieldwork with Chagas Disease.
- 2014** Guess Lecturer Biology Freshman Seminar. Biological Sciences. College of Arts and Sciences. Loyola University of New Orleans.
- 2013** Seminar Series. Department of Tropical Medicine. Tulane University. New Orleans- USA. November 20. Conference Revisiting Chagas disease in the United States: Do we really know enough?
- 2011** Lecturer in the Public Health class. Tools in Public Health Administration. The importance of the Diagnose in Public Health. Civil and Environmental Engineering School. MSc in Integrated and Environmental management, University of Los Andes, Bogota-Colombia.
- 2010** Lecturer in the Molecular Epidemiology of parasites class, in the course of host-parasite relationship. Department of Biological Sciences. Faculty of Sciences. University of Los Andes, Bogota-Colombia.
- 2010** Lecturer in Public Health and Immunology. Civil and Environmental Engineering School. MSc in Integrated Environmental. University of Los Andes, Bogota-Colombia.

### **UNDERGRADUATE THESIS COMMITTEES**

- 2024. Ysabelle Broderon.** Honors Thesis. Tulane University School of Public Health, and Tropical Medicine. BSP. (Chair)
- 2023. Catherine Rolfes.** Honors Thesis. Tulane University School of Public Health, and Tropical Medicine. BSP. (Chair)
- 2023. Jesse Fletcher.** Honors Thesis. Tulane University School of Engineering. Cell & Molecular Biology. (Advisor, member)
- 2016. Jessica Conrad. December** Honors Thesis. Tulane University School of Public Health, and Tropical Medicine. BSP. (Advisor, member)
- 2014. Meredith Licon March.** Honors Thesis. Tulane University School of Public Health and Tropical Medicine. BSP (Member)
- 2010. Catalina Alvarez.** University of Los Andes. Bogota-Colombia. (Advisor)
- 2010. Martha Liliana Pinzón Herrera.** Department of Biological Sciences, University of Los Andes. Bogota- Colombia. (Member)
- 2009. Diana Alejandra Falla** Department of Biological Sciences, University of Los Andes. Bogota- Colombia (Member)

- 2009. Nadia Lorena González.** Department of Biological Sciences, University of Los Andes. Bogota- Colombia (Member)
- 2007. María Teresa Cardona.** Estudio inmunoparasitologico de las subpoblaciones KP1(+) y KP1(-) de *Trypanosoma rangeli* en ratones experimentalmente infectados. Program Biology. Faculty of Sciences. Universidad of Tolima- Colombia. Director. Gustavo Adolfo Vallejo. (Member)
- 2007. César Augusto Ramirez.** Estudio inmunoparasitologico de las subpoblaciones KP1(+) y KP1(-) de *Trypanosoma rangeli* en ratones experimentalmente infectados. Faculty of Sciences University of Tolima- Colombia. Director. Gustavo Adolfo Vallejo.
- 2000. Patricia Gutierrez Dueñas.** Department of Biological Sciences, Universidad de los Andes. Bogota- Colombia. (Advisor)
- 2000. Diana del Pilar Ramírez Bohorquez, Adriana Castro Avila.** 2000. Department of Biological Sciences, Universidad de los Andes. Bogota- Colombia. (Member)
- 2000. Liliana Barrera B.** Department of Biological Sciences, Universidad de los Andes. Bogota- Colombia. (Advisor)

### **MASTERS COMMITTEE:**

- 2023. Annalise Dunsmore.** Department of Tropical Medicine in partial fulfillment of the Master of Science in Public Health. (Chair)
- 2022. Evan Towers Teal.** Department of Tropical Medicine in partial fulfillment of the Master of Science in Public Health. (Member- Advisor)
- 2022. Shelby Flaherty.** Department of Tropical Medicine in partial fulfillment of the Master of Science in Public Health. (Member)
- 2019. Harley W Hanes. School** of Sciences and Engineering. Department of Mathematics. (Member)
- 2018. Henry Pronovost.** Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (Chair)
- 2011. Martha Catalina Alvarez.** Department of Biological Sciences, University of Los Andes. Bogota- Colombia (Member/Advisor)
- 2010. Liliana Jazmín.** Program Master in Infections and Health in the Tropics, Research in Parasitology group. The National University of Colombia. Detección de mutaciones en los genes dihidrofolato reductasa (*dhfr*) y dihidropteroato sintetasa (*dhps*) de los aislamientos de *Toxoplasma gondii* a partir de muestras biológicas de pacientes con toxoplasmosis. Program Master in Infections and Health in the Tropics, Research in Parasitology group. The National University of Colombia. (Member).
- 2007. Sonia Janneth Cárdenas.** Program Master in Microbiology. University of Los Andes. Directora Barbara Zimmerman. (Member).
- 2007. Graciela Juez Castillo.** Program Master in Microbiology. University of Los Andes. Directora Barbara Zimmerman. (Member).
- 2005. Leyder Elena Lozano.** Program Master in Microbiology. University of Los Andes. Estudio biológico y molecular de tres cepas de *Trypanosoma rangeli* Tejera 1920; trd p19 perteneciente a la subpoblación kp1(+) y trs p53 y gal 57 perteneciente a la subpoblación kp1(-) en el hospedero vertebrado e invertebrado. (Member)
- 2007. Sonia Janneth Cárdenas.** Estandarización de un ensayo de avidéz ELISA-IGG para detección de *Toxoplasma gondii* en suero de pacientes seropositivas. Program Master in Microbiology. University of Los Andes. (Member).

**2007. Graciela Juez Castillo.** Aislamiento e identificación de bradizoitos de *Toxoplasma gondii* en quistes de cerebro de ratón. Program Master in Microbiology. University of Los Andes. (Member).

### **PhD THESIS DISSERTATION COMMITTEE**

**2023. Remi Landry.** Graduate program. Does Dementia Have a Microbial Cause? Tulane National Primate center. (Member)

**2023. Hans Desale.** Mechanisms of pathogenesis in Chagas disease progression. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member/ Advisor). Current Job- ORICE fellow- CDC- Puerto Rico

**2022. Julie Thompson.** Understanding the impacts of *Trypanosoma cruzi* genetic diversity on congenital Chagas disease. Graduate Program in Biomedical Sciences. Tulane University School of Medicine. (Chair). Current Job- ORICE fellow- CDC- Atlanta

**2021. Alicia Majeau.** Identification of novel *Trypanosoma cruzi* antigens for the development of improved diagnostics. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member/Advisor). Current Job- Research Scientist-Kephera Diagnostics, LLC. MA

**2018. Maria Teresa Mojica.** Ecología de la Trypanosomiasis Americana en el ciclo doméstico y silvestre mediante el estudio de la epidemiología molecular de *Trypanosoma cruzi* en reservorios de la Sierra Nevada de Santa Marta. External Advisor for PhD degree. Tulane University School of Public Health and Tropical Medicine. (Advisor).

**2018. Pamela Durán Toledo.** Ciclos y patrones de transmisión de la enfermedad de Chagas en dos focos emergentes de la Amazonía Boliviana ubicados en los municipios de Palos Blancos y Guayaramerín. External Advisor for PhD degree. San Andres University. La Paz- Bolivia. (Advisor)

**2011. Paula Ximena Pavia Velandia.** Caracterización molecular del elemento repetido pequeño interpuesto, SIRE, en las seis Unidades Discretas de Tipificación (DTU) de *Trypanosoma cruzi* y su aplicación en una prueba de PCR. Faculty of Sciences of the Pontificia Universidad Javeriana -PUJ. Director. Concepción Puerta B, Ph.D. (Member)

### **PhD COMPREHENSIVE EXAM-PROSPECTUS**

**2022. Remi Landry. Prospectus defense** Graduate program. Does Dementia Have a Microbial Cause? Tulane National Primate center. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member)

**2022. Will Eaton. Comprehensive exam.** Assessing malaria vector suitability using LiDAR, imagery, and machine learning. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member)

**2022. Kerlly J. Bernabé. Comprehensive exam.** Burden of Chagas Disease in the United States Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member)

**2021. Hans Desale. Prospectus defense.** Investigating the mechanisms of pathogenesis from *T. cruzi* infection. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member)

**2021. Julie Thompson. Prospectus defense.** Understanding the impacts of *Trypanosoma cruzi* genetic diversity on congenital Chagas disease. Graduate Program in Biomedical Sciences. Tulane University School of Medicine. (Chair)



**2021. Julie Thompson. Comprehensive exam.** LPS production from *T. cruzi*-induced dysbiosis activates inflammatory pathways associated with congenital Chagas disease. Graduate Program in Biomedical Sciences. Tulane University School of Medicine. (Chair)

**2020. Kerly J. Bernabé. Comprehensive exam.** Early detection of leprosy among school children and contacts in a hyperendemic context. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member/Advisor)

**2019. Alicia Majeau. Prospectus defense.** Identification of novel *Trypanosoma cruzi* antigens for the development of improved diagnostics. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member/ advisor)

**2019. Andrew J. Beron. Comprehensive exam.** Developing a Pooled Multiplex PCR Method for Identification of Atypical *Escherichia coli*. Graduate program. Department of Tropical Medicine. Tulane University School of Public Health and Tropical Medicine (SPHTM). (Member). Epidemic Intelligence Service Officer- CDC Atlanta.

### **INDEPENDENT STUDY MENTORSHIP 26 students from 2016 to 2023**

**2024. Abhijay Purohit.** Independent study. Tulane University-School of Public Health. Undergraduate program. Senior BSP Senior BSP- Spring 2024.

**2023. Sarah Thomas.** Independent study. Economic Impact of Chagas disease in the USA. Undergraduate program. Junior BSP- Spring 2023.

**2023. Abhijay Purohit.** Independent study. Tulane University-School of Public Health. Undergraduate program. Senior BSP Junior BSP- Spring 2023.

**2022. Ysabelle Broderson.** Independent study. Congenital Chagas disease, molecular diagnostic standardization and NGS. Tulane University-School of Public Health. Undergraduate program. Senior BSP- Spring 2022.

**2022. Sarah Thomas.** Independent study. Economic Impact of Chagas disease in the USA. Undergraduate program. Junior BSP- Fall 2022.

**2020-2021. Julie Thompson.** Independent study, Chagas disease Research. Tulane University-School of Medicine. PhD program. Spring 2020-2021.

**2020. Dimple Patel.** Independent study, Chagas disease Research. Tulane University-School of Medicine. Master program. Spring 2020.

**2019. Sarah Arian.** Independent study, Chagas disease Research. Tulane University-School of Medicine. Master program. Spring 2019.

**2019. Harley W Hanes.** Independent study. Mathematical model eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US. Tulane University School of Public Health and Tropical Medicine. Senior BSP- Spring 2019.

**2019. Aliza Ali.** Independent study. *Toxoplasma gondii*, molecular diagnostic standardization. Tulane University-School of Public Health and Tropical Medicine. Senior BSP- Spring 2019.

**2018. Sarah Hill.** ByWater award. New integrative molecular eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US. GM TRMD, School of Public Health and Tropical Medicine

**2018. Samantha Hobbs.** Independent study. Ecology of *Trypanosoma cruzi* in small rodents and risk for human infection in urban areas in New Orleans. Tulane University School of Public Health and Tropical Medicine. Sophomore BSP- Spring 2018.

**2018. Laura Murphy.** Independent study. Mining *Trypanosoma cruzi* genome sequences for marker Discrete Typing Units and genetic structure. Tulane University School of Public Health and Tropical Medicine. Senior BSP- Fall 2018. 2018

**2018. Laura Murphy.** CELT award. Molecular epidemiology of *Trypanosoma cruzi* in rodents from urban areas of New Orleans and human risk. Sophomore BSP- Spring 2018

**2018. Jameson DeCuir.** Independent study. DTU TcV Cellular Cloning and Whole Genome Sequencing. Tulane University School of Public Health and Tropical Medicine. Sophomore School of Science and Engineering- Fall 2018.

**2018. Henry Pronovost.** ByWater award. New integrative molecular eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US. GM TRMD, School of Public Health and Tropical Medicine

**2018. Harley W Hanes.** ByWater award. Mathematical model eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US. Senior BSP- Fall 2018. 2018

**2018. Hanna Schwartzburg.** CELT award. Molecular epidemiology of *Trypanosoma cruzi* in rodents from urban areas of New Orleans and human risk. Sophomore BSP- Spring 2018

**2018. Asha Dash.** CELT award. Molecular epidemiology of *Trypanosoma cruzi* in rodents from urban areas of New Orleans and human risk. Sophomore BSP- Spring 2018

2018. Anna Sanford. ByWater award. New integrative molecular eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US. GM TRMD, School of Public Health and Tropical Medicine. GM TRTM, School of Public Health, and Tropical Medicine

**2018. Aliza Ali.** General Laboratory training in molecular biology. Sophomore SPHU, School of Public Health and Tropical Medicine

**2017. Henry Pronovost.** Independent study. Ecology of *Trypanosoma cruzi* and risk for human infection in urban areas in New Orleans. Tulane University School of Public Health and Tropical Medicine. Senior BSP- Fall 2017.

**2017. Henry Pronovost.** Independent study. Ecology of *Trypanosoma cruzi* and risk for human infection in urban areas in New Orleans. Tulane University School of Public Health and Tropical Medicine. Junior BSP- Spring 2017.

**2017. Eli Bierman.** Independent study. "Ecology of *Trypanosoma cruzi* and triatomine vectors in rural New Orleans". Tulane University School of Public Health and Tropical Medicine. Senior BSP- Spring 2017.

**2017. Ana Sanford.** Independent study. Ecology of *Trypanosoma cruzi* in small rodents and risk for human infection in urban areas in New Orleans. Tulane University School of Public Health and Tropical Medicine. Senior BSP- Fall 2017.

**2017. Sarah Hill.** Genotyping and genetic sequencing of Chagas disease parasite (*T. cruzi*) in Dog samples collected from Southern Louisiana. Tulane University School of Public Health and Tropical Medicine. Junior BSP- Summer- Fall 2017.

**2016. Sarah Hill. Independent study.** A continuation of standardizing molecular biology methods for the study of Chagas disease in the West Bank of New Orleans: In conjunction with IRB protocol "Chagas disease in New Orleans: an opportunity for student and community training. Tulane University School of Public Health and Tropical Medicine. Junior BSP- Fall 2016.

**2016. Sarah Hill.** Independent study. Molecular biology methods for the study of Chagas disease in the West Bank of New Orleans. Tulane University School of Public Health and Tropical Medicine. Junior BSP- Spring- Fall 2016.

**2016. Eli Bierman.** Independent study. Introduction to laboratory and field methods determining Chagas disease risk in New Orleans. Tulane University School of Public Health and Tropical Medicine. Senior BSP- Fall 2016.

### **GRADUATED STUDENTS ROTATIONS AND INTERNSHIP 9 students from 2016 to 2023**

**2023. Jacob Wilson.** Tulane University-School of Medicine. PhD program.

- 2021.** **Natalia Travis.** MPH Student from School of Health Studies - Public Health Northern Illinois University.
- 2020.** **Bernabe Kerlly.** PhD student. Molecular Epidemiology Chagas Laboratory. Tulane University School of Public Health and Tropical Medicine (SPHTM).
- 2019.** **Jaime Lopez,** PhD Student at the Universidad Veracruzana, Veracruz, Mexico. Summer rotation Molecular Epidemiology Chagas Laboratory.
- 2019.** **Muharib Faris A Alruwaili Hans.** PhD student. Molecular Epidemiology Chagas Laboratory. Tulane University School of Public Health and Tropical Medicine (SPHTM).
- 2017-2019.** **Alicia Majeau.** PhD student. Molecular Epidemiology Chagas Laboratory. Tulane University School of Public Health and Tropical Medicine (SPHTM).
- 2017.** **Renad JadKarim.** PhD student. Molecular Epidemiology Chagas Laboratory. Tulane University School of Public Health and Tropical Medicine (SPHTM).
- 2016.** **Douglas Rice.** PhD-University of Notre Dame. Notre Dame, IN. USA.
- 2016.** **Alice Belloc.** MD Student School of Medicine Universite Paris Descartes. Paris, France

### POSTDOCTORAL TRAINING.

- 2021-2023.** **Rajendra Mandage.** Bioinformatic tool for Chagas disease genomics. Tulane University.
- 2019-2020.** **Mathew Ward PhD.** Investigation into the multiclonality of *Trypanosoma cruzi* discrete typing units. UJMT FGHF.
- 2019.** **Julie Thompson DVM.** Chagas disease and *Toxoplasma gondii* Research. National Research Service Award Recipient. School of Medicine.
- 2018.** **Audrey Arnal. PhD.** Academic training begins August 15, 2018, until January 15, 2019. ByWater award. New integrative molecular eco-epidemiological approach of transmission *Trypanosoma cruzi* dynamics in the southern US.

### ACADEMIC ACTIVITY- MEDICAL AND MASTER AND PHD STUDENTS

- 2021-present** TROP-G Journal Club students, faculty and researchers from Mexico, France, USA (Gulf of Mexico initiative). Coordinator Bi-Weekly meetings (Spring-Fall).
- 2021** Chagas Book Club. SPHTM s and School of Medicine students. Weekly meeting (Fall).

### C. RESEARCH. SCIENTIFIC PRODUCTION:

#### PEER-REVIEWED PUBLICATIONS

1. Alejandro G Schijman, Julio A Padilla, Constança Britto, **Claudia P Herrera.** Retrospect, Advances and Challenges in Chagas disease Diagnosis: A Comprehensive Review. The Lancet Regional Health – Americas. **Accepted.**
2. Paternina-Caicedo A, Alger J, Cafferata ML, Carlier Y, Dumonteil E, Gibbons L, Hammerman T, **Herrera C,** Buekens P. *Trypanosoma cruzi* Infection in Pregnancies

- without Congenital Transmission Is Associated with Reduced Fetal Growth: A Cross-Sectional Study in Argentina, Honduras, and Mexico. *Am J Trop Med Hyg.* 2024 4;. doi: 10.4269/ajtmh.23-0493. PMID: 38834059.
3. Dumonteil E, Tu W, Desale H, Goff K, Marx P, Ortega-Lopez J, **Herrera C.** Immunoglobulin and T cell receptor repertoire changes induced by a prototype vaccine against Chagas disease in naïve rhesus macaques. *J Biomed Sci.* 2024 31(1):58. doi: 10.1186/s12929-024-01050-5. PMID: 38824576; PMCID: PMC11143712.
  4. Kerlly J. Bernabé\*, Eric Dumonteil, **Claudia Herrera.** Closing the Knowledge and Diagnosis Gap of Chagas Disease in the United States. *JAMA Network Open.* **In press**
  5. Majeau A\*, Dumonteil E, **Herrera C.** Identification of highly conserved *Trypanosoma cruzi* antigens for the development of a universal serological diagnostic assay. *Emerg Microbes Infect.* 2024. doi: 10.1080/22221751.2024.2315964. PMID: 38381980; PMCID: PMC10883094.
  6. Dumonteil E, Tu W, Jiménez FA, **Herrera C.** Ecological interactions of *Triatoma sanguisuga* (Hemiptera: Reduviidae) and risk for human infection with *Trypanosoma cruzi* (Kinetoplastida: Trypanosomatidae) in Illinois and Louisiana. *J Med Entomol.* 2024. doi: 10.1093/jme/tjae017. PMID: 38373261.
  7. Sarah M. Gunter, Alisa Nelson, Alexander R. Kneubehl, Silvia Justi, Russell Manzanero, Emily Zielinski-Gutierrez, **Claudia Herrera**, Julie Thompson\*, Rajendra Mandage\*, Hans Desale\*, Adrianna Maliga, Kim Bautista, Shannon E. Ronca, Francis Morey, Rafael Chacon Fuentes, Beatriz Lopez, Eric Dumonteil, Gerhaldine H. Morazan, and Kristy O. Murray. **2024.** Novel species of *Triatoma* (Hemiptera: Reduviidae) identified in a case of vectorial transmission of Chagas disease in Northern Belize" NCOMMS-23-46589. *Scientific Reports. Sci Rep.* 16;14(1):1412. doi: 10.1038/s41598-023-50109-0. PMCID: PMC10792162.
  8. **Claudia Herrera**, Kerlly J. Bernabé\*, Eric Dumonteil, James DeCuir\*, Julie Thompson\*, Mariana Avendano\*, Weihong Tu, Maxwell M. Leonhardt\*, Bianka A. Northland\*, Angel Paternina\*, Jynx Frederick\*, Bryn Prieto\*, Emma Ortega, Maria Fonseca, Marcela Hincapie, Margarita Echeverri. **2023.** Assessment of Community Awareness and Screening of Chagas Disease in the Latin American Community of Greater New Orleans. *Trop Med Infect Dis*, 8(12), 515; <https://doi.org/10.3390/tropicalmed8120515>
  9. Amanda Vicente-Santos, Lauren R. Lock, Meagan Allira<sup>1</sup>, Kristin E. Dyer, Annalise Dunsmore\*, Dmitriy V. Volokhov, **Claudia Herrera**, Guang-Sheng Lei, Ryan F. Relich, Michael G. Janech, Alison M. Bland, M. Brock Fenton, Nancy B. Simmons, Benjamin A. Neely, Daniel J. Becker. **2023.** Serum proteomics reveals a tolerant immune phenotype across multiple microbial parasite taxa in wild vampire bats. *Front. Immunol.* Volume 14 - 2023 | doi: 10.3389/fimmu.2023.1281732
  10. Eric Dumonteil, Hans Desale\*, Weihong Tu, Nora Hernández-Cuevas, Monica Shroyer, Kelly Goff, Preston Marx, and **Claudia Herrera.** **2023** Intra-host *Trypanosoma cruzi* strain dynamics shape disease progression: the missing link in Chagas disease pathogenesis. *Spectrum.* doi.org/10.1128/spectrum.04236-22
  11. Buekens P, Alger J, Cafferata ML, Dumonteil E, **Herrera C**, Tulio Luque M, Carlier Y. **2023.** Simplifying screening for *Trypanosoma cruzi* in pregnant persons and their infants. *PLoS Negl Trop Dis.* doi: 10.1371/journal.pntd.0011329. PMID: 37228008; PMCID: PMC10212182.
  12. Dumonteil E, **Herrera C**, Sabino-Santos G. Monkeypox Virus Evolution before 2022 Outbreak. **2023.** *Emerg Infect Dis.* doi: 10.3201/eid2902.220962. PMID: 36692511; PMCID: PMC9881786.

13. Proaño A, Dumonteil E, **Herrera C. 2023.** Chagas Disease Diagnostic Testing in Two Academic Hospitals in New Orleans, Louisiana: A Call to Action. *Trop Med Infect Dis.* doi: 10.3390/tropicalmed8050277. PMID: 37235325; PMCID: PMC10223931.
14. Dumonteil E, **Herrera C**, Marx PA. **2023.** Safety and preservation of cardiac function following therapeutic vaccination against *Trypanosoma cruzi* in rhesus macaques. *J Microbiol Immunol Infect.* doi: 10.1016/j.jmii.2022.09.003. PMID: 36210315; PMCID: PMC10131272.
15. Teal E\*, **Herrera C**, Dumonteil E. **2023.** Metabolomics of developmental changes in *Triatoma sanguisuga* gut microbiota. *PLoS One.* doi: 10.1371/journal.pone. PMID: 36827319; PMCID: PMC9955940.
16. Majeau A\*, Cloherty E, Anderson AN, Straif-Bourgeois SC, Dumonteil E, **Herrera C. 2023.** Genetic diversity of *Trypanosoma cruzi* infecting raccoons (*Procyon lotor*) in 2 metropolitan areas of southern Louisiana: implications for parasite transmission networks. *Parasitology.* doi: 10.1017/S0031182023000070. PMID: 36788672; PMCID: PMC10090583.
17. Desale H\*, Buekens P, Alger J, Cafferata ML, Harville EW, **Herrera C**, Truyens C, Dumonteil E. **2022.** Epigenetic signature of exposure to maternal *Trypanosoma cruzi* infection in cord blood cells from uninfected newborns. *Epigenomics.* doi: 10.2217/epi-2022-0153. PMID: 36039408; PMCID: PMC9475499.
18. Murray KO, Saldaña MA, Gunter SM, Manzanero R, Zielinski-Gutierrez E, **Herrera C**, Thompson JM, Maliga A, Bautista K, Lino A, Hawes E, Ronca SE, Morey F, Fuentes RC, Lopez B, Dumonteil E, Morazan GH. **2022.** Diagnosis of Acute Chagas Disease in a Belizean Child with Evidence of a Multiclonal *Trypanosoma cruzi* Infection. *Am J Trop Med Hyg.* doi: 10.4269/ajtmh.22-0338. PMID: 36395748; PMCID: PMC9709023.
19. Murillo-Solano C\*, Ramos-Ligonio A, López-Monteón A, Guzmán-Gómez D, Torres-Montero J, **Herrera C**, Dumonteil E. **2021.** Diversity of *Trypanosoma cruzi* parasites infecting *Triatoma dimidiata* in Central Veracruz, Mexico, and their One Health ecological interactions. *Infect Genet Evol.* 95:105050.. PMID: 34450293.
20. Truyens C, Dumonteil E, Alger J, Cafferata ML, Ciganda A, Gibbons L, **Herrera C**, Sosa-Estani S, Buekens P. **2021.** Geographic variations in test reactivity for the serological diagnosis of *Trypanosoma cruzi* infection. *J Clin Microbiol.* doi: 10.1128/JCM.01062-2. PMID: 34469183.
21. Thompson JM\*, Habrun CA\*, Scully CM, Sasaki E, Bauer RW, Jania R, Baker RE, Chapman AM, Majeau A\*, Pronovost H\*, Dumonteil E, **Herrera CP. 2021.** Locally Transmitted *Trypanosoma cruzi* in a Domestic Llama (*Lama glama*) in a Rural Area of Greater New Orleans, Louisiana, USA. *Vector Borne Zoonotic Dis.* doi: 10.1089/vbz.2021.0019. PMID: 34342513.
22. Polonio R, López-Domínguez J\*, **Herrera C**, Dumonteil E. **2021** Molecular ecology of *Triatoma dimidiata* in southern Belize reveals risk for human infection and the local differentiation of *Trypanosoma cruzi* parasites. *Int J Infect Dis.* doi: 10.1016/j.ijid.2021.05.083. PMID: 34098097.
23. Murillo-Solano C\*, López-Domínguez J, Gongora R, Rojas-Gullosa A, Usme-Ciro J, Perdomo-Balaguera E, **Herrera C**, Parra-Henao G, Dumonteil E. **2021.** Diversity, and interactions among triatomine bugs, their blood feeding sources, gut microbiota and *Trypanosoma cruzi* in the Sierra Nevada de Santa Marta in Colombia. *Sci Rep.* 11(1):12306. doi: 10.1038/s41598-021-91783-2. PMID: 34112903; PMCID: PMC8192545.
24. Dumonteil E, Desale H\*, Tu W, Duhon B, Wolfson W, Balsamo G, **Herrera C. 2021** Shelter cats host infections with multiple *Trypanosoma cruzi* discrete typing units in southern Louisiana. *Vet Res.* PPMID: 33823911; PMCID: PMC8025558.

25. Carrera Vargas C, Solorzano L, Guale D, Herrera C, Dumonteil E. **2021** Active Transmission of *Trypanosoma cruzi* in Schoolchildren from the Amazon Region in Napo Province, Ecuador. *Acta Parasitol.* doi: 10.1007/s11686-021-00334-2. PMID: 33564985.
26. Dumonteil E, Fusco D, Drouin A, **Herrera C.** **2021** Genomic Signatures of SARS-CoV-2 Associated with Patient Mortality. *Viruses.* 13(2). doi: 10.3390/v13020227. PMID: 33540576.
27. DeCuir J\*, Tu Weihong, Dumonteil E, **Herrera C.** **2021** Sequence of *Trypanosoma cruzi* reference strain SC43 nuclear genome and kinetoplast maxicircle confirms a strong genetic structure among closely related parasite discrete typing units. *Genome.* May;64(5):525-531. doi: 10.1139/gen-2020-0092. PMID: 33086026; PMCID: PMC8058112.
28. Majeau A\*, Murphy L\*, **Herrera C,** Dumonteil E. **2021.** Assessing *Trypanosoma cruzi* Parasite Diversity through Comparative Genomics: Implications for Disease Epidemiology and Diagnostics. *Pathogens.* 16;10(2). doi: 10.3390/pathogens10020212. PMID: 33669197; PMCID: PMC7919814.
29. Dumonteil E, **Herrera C.** **2021.** The Case for the Development of a Chagas Disease Vaccine: Why? How? When? *Trop Med Infect Dis.* 26;6(1). doi:10.3390/tropicalmed6010016. PMID: 33530605; PMCID: PMC7851737.
30. Dumonteil E, Elmayan A\*, Majeau A\*, Tu W, Duhon B, Marx P, Wolfson W, Balsamo G, **Herrera C.** **2020.** Genetic diversity of *Trypanosoma cruzi* parasites infecting dogs in southern Louisiana sheds light on parasite transmission cycles and serological diagnostic performance. *PLoS Negl Trop Dis.* 14(12):e0008932. doi: 10.1371/journal.pntd.0008932. PMID: 33332357; PMCID: PMC7775123.
31. Gherzi BM, Peterson AC, Gibson NL, Dash A\*, Elmayan A\*, Schwartzenburg H, Tu W, Riegel C, **Herrera C,** Blum MJ. In the heart of the city: *Trypanosoma cruzi* infection prevalence in rodents across New Orleans. **2020.** *Parasit Vectors.* 13(1):577. doi: 10.1186/s13071-020-04446-y. PMID: 33189151; PMCID: PMC7666460.
32. Arnal A\*, Villanueva-Lizama L, Teh-Poot C, **Herrera C,** Dumonteil E. **2020.** Extent of polymorphism and selection pressure on the *Trypanosoma cruzi* vaccine candidate antigen Tc24. *Evol Appl.*;13(10):2663-2672. doi: 10.1111/eva.13068. PMID: 33294015; PMCID: PMC7691455.
33. Henry Pronovost\*, Anna C Peterson, Bruno Gherzi Chavez, Michael J Blum, Eric Dumonteil, **Claudia P Herrera.** **2020.** Deep sequencing reveals multiclonality and new discrete typing units of *Trypanosoma cruzi* in rodents from the southern United States. *J Microbiol Immunol Infect.* 53, (4): 622-633 doi: 10.1016/j.jmii.2018.12.004. PMID: 30709717
34. Cafferata ML, Toscani MA, Althabe F, Belizán JM, Bergel E, Berrueta M, Capparelli EV, Ciganda Á, Danesi E, Dumonteil E, Gibbons L, Gulayin PE, **Herrera C,** Momper JD, Rossi S, Shaffer JG, Schijman AG, Sosa-Estani S, Stella CB, Klein K, Buekens P. **2020.** Short-course Benznidazole Treatment to Reduce *Trypanosoma cruzi* Parasitic Load in Women of Reproductive Age (BETTY): A Non-inferiority Randomized Controlled Trial Study Protocol. *Reprod Health.* 17(1):128. doi: 10.1186/s12978-020-00972-1. PMID: 32831069; PMCID: PMC7446054.
35. Dumonteil E and **Herrera C.** **2020.** Polymorphism and Selection Pressure of SARS-CoV-2 Vaccine and Diagnostic Antigens: Implications for Immune Evasion and Serologic Diagnostic Performance. *Pathogens* 9(7): E584. doi: 10.3390/pathogens9070584.
36. Dumonteil E; Pronovost H\*; Bierman E\*; Sanford A\*; Majeau A\*; Moore R\*; **Herrera, C.** **2020.** Interactions among *Triatoma sanguisuga* blood feeding sources, gut microbiota and *Trypanosoma cruzi* diversity in southern Louisiana. *Mol Ecol* 2020 Aug 4. doi: 10.1111/mec.15582.

37. Dumonteil E, **Herrera C**, Tu W, Goff K, Fahlberg M, Haupt E, Kaur A, Marx PA, Ortega-Lopez J, Hotez PJ, Bottazzi ME. **2020**. Safety and immunogenicity of a recombinant vaccine against *Trypanosoma cruzi* in Rhesus macaques. *Vaccine*. doi: 10.1016/j.vaccine.2020.05.010. PMID: 32417142.
38. Majeau A\*, Pronovost H\*, Sanford A\*, Cloherty E, Anderson AN, Balsamo G, Gee L, Straif-Bourgeois SC, **Herrera C**. **2020**. Raccoons as an important reservoir for *Trypanosoma cruzi*: a prevalence study from two metropolitan areas in Louisiana. *Vector Borne Zoonotic Dis*. 2020 doi: 10.1089/vbz.2019.2559. PMID: 32286921.
39. Arnal A\*, Waleckx E, Rico-Chávez O, **Herrera C**, Dumonteil E. **2019**. Estimating the current burden of Chagas disease in Mexico: A systematic review and meta-analysis of epidemiological surveys from 2006 to 2017. *PLoS Negl Trop Dis*.;13(4):e0006859. doi: 10.1371/journal.pntd.0006859.
40. Elmayan A\*, Tu W, Duhon B, Marx P, Wolfson W, Balsamo G, **Herrera C**, Dumonteil E. **2019**. High prevalence of *Trypanosoma cruzi* infection in shelter dogs from southern Louisiana, USA. *Parasit Vectors*. 12(1):322. doi: 10.1186/s13071-019-3572-y. PubMed PMID: 31238941; PubMed Central PMCID: PMC6593594.
41. **Herrera C**, Truyens C, Dumonteil E, Alger J, Sosa-Estani S, Cafferata ML, Gibbons L, Ciganda A, Matute ML, Zuniga C, Carlier Y, Buekens P **2019**. Phylogenetic analysis of *Trypanosoma cruzi* from pregnant women and newborns from Argentina, Honduras, and Mexico suggests an association of parasite haplotypes with congenital transmission of the parasite. *J Mol Diagn*. **2019** Aug 23;. doi: 10.1016/j.jmoldx.2019.07.004. [Epub ahead of print] PubMed PMID: 31450011.
42. Majeau A\*, **Herrera C**, Dumonteil E. **2019**. An Improved Approach to *Trypanosoma cruzi* Molecular Genotyping by Next-Generation Sequencing of the Mini-exon Gene. *Methods Mol Biol*;1955:47-60. doi: 10.1007/978-1-4939-9148-8\_4. PubMed PMID: 30868518.
43. Villanueva-Lizama L, Teh-Poot C, Majeau A\*, **Herrera C**, Dumonteil E. **2019**. Molecular genotyping of *Trypanosoma cruzi* by next-generation sequencing of the mini-exon gene reveals infections with multiple parasite DTUs in Chagasic patients from Yucatan, Mexico. *J Infect Dis*. doi: 10.1093/infdis/jiz047. PMID: 30721973.
44. Dumonteil E, **Herrera C**, Buekens P. **2019**. A therapeutic pre-conceptual vaccine against Chagas disease: a novel indication that could reduce congenital transmission and accelerate vaccine development. *PLoS NTD* 13(1):e0006985.
45. **Herrera C**, Majeau A\*, Didier P, Falkenstein KP, Dumonteil E. **2018**. *Trypanosoma cruzi* diversity in naturally infected nonhuman primates in Louisiana assessed by deep sequencing of the mini-exon gene. *Trans R Soc Trop Med Hyg*. doi: 10.1093/trstmh/try119. PMID: 30452731.
46. Eric Dumonteil, Maria Jesus Ramirez-Sierra, Silvia Pérez-Carrillo, Christian Teh-Poot, **Claudia Herrera**, Sébastien Gourbière, Etienne Waleckx. **2018**. Detailed ecological associations of triatomines revealed by metabarcoding and next-generation sequencing: implications for triatomine behavior and *Trypanosoma cruzi* transmission cycles. *Sci. Rep*. 8(1):4140. doi: 10.1038/s41598-018-22455-x. PMCID:PMC5841364.
47. Buekens P, Cafferata ML, Alger J, Alhabe F, Belizán JM, Bustamante N, Carlier Y, Ciganda A, Del Cid JH, Dumonteil E, Gamboa-León R, García JA, Gibbons L, Graiff O, Maldonado JG, **Herrera C**, Howard E, Lara LS, López B, Matute ML, Ramírez-Sierra MJ, Robles MC, Sosa-Estani S, Truyens C, Valladares C, Wesson DM, Zúniga C, For The Congenital Chagas Working Group. **2018**. Congenital Transmission of *Trypanosoma cruzi* in Argentina, Honduras, and Mexico: An Observational Prospective Study. *Am J Trop Med Hyg*. *Am. J. Trop. Med. Hyg.*, 98(2) 478-485.

48. Dumonteil E, **Herrera C.** 2017. Ten years of Chagas disease research: Looking back to achievements, looking ahead to challenges. *PLoS Negl Trop Dis* 11(4): e0005422. PMID: PMC5398480.
49. Garcia MN, Burroughs H\*, Gorchakov R, Gunter SM, Dumonteil E, Murray KO, **Herrera CP.** 2017 Molecular identification, and genotyping of *Trypanosoma cruzi* DNA in autochthonous Chagas disease patients from Texas, USA. *Infect Genet Evol.* S1567-1348(17)30016-3. doi: 10.1016/j.meegid.2017.01.016 PMID: 28095298.
50. Dumonteil E, **Herrera C,** Martini L, Grijalva MJ, Guevara AG, Costales JA, Aguilar HM, Brenière SF, Waleckx E. 2016. Chagas Disease Has Not Been Controlled in Ecuador. *PloS one* 11(6):e0158145.
51. Wong Y, Macias K, Martines D, Solorzano L, Ramirez M, **Herrera C,** Dumonteil E. 2016. Molecular epidemiology of *Trypanosoma cruzi* and *Triatoma dimidiata* in costal Ecuador. *Infect Genet Evol* 41:207-12. doi: 10.1016/j.meegid.2016.04.001.
52. Carrera-Vargas C, Narváez AO, Muzzio Aroca J, Shiguango G, Robles LM, **Herrera C,** Dumonteil E. 2015 Seroprevalence of *Trypanosoma cruzi* Infection in Schoolchildren and in Pregnant Women from an Amazonian Region in Orellana Province, Ecuador. *Am J Trop Med Hyg.* 93(4):774-8. doi: 10.4269/ajtmh.14-0807. PMID: PMC4596599.
53. **Herrera CP,** Licon MH, Nation CS, Jameson SB, Wesson DM. 2015. Genotype diversity of *Trypanosoma cruzi* in small rodents and *Triatoma sanguisuga* from a rural area in New Orleans, Louisiana. *Parasit Vectors.* 8:123. PMID: PMC4344744
54. Alvarez C, de-la-Torre A, Vargas M, **Herrera C,** Uribe-Huertas LD, Lora F, Gómez Marín JE. 2014. Striking divergence in Toxoplasma- ROP16 nucleotide sequences from human and meat samples. *J Infect Dis.* Doi: 10.1093/infdis/jiu833.
55. Barnabé C, Buitrago R, Brémond F, Aliaga C, Salas R, Vidaurre P, **Herrera C,** Cerqueira F, Bosseno M, Waleckx E, Brenière F. 2013. Putative panmixia in restricted populations of *Trypanosoma cruzi* isolated from wild *Triatoma infestans* in Bolivia. *Plos One*;8(11):e82269. doi: 10.1371/journal.pone.0082269 PMID: 24312410; PMID: PMC3843716.
56. **Herrera C,** Barnabé C, Breniere SF. 2013. Complex evolutionary pathways of the intergenic region of the mini-exon gene in *Trypanosoma cruzi* TcI: a possible ancient origin in the Gran Chaco and lack of strict genetic structuration. *Infect Genet Evol.* 16: 27-37
57. Ramírez J, **Herrera C,** Bogota Y, Duque M, Suárez-Rivillas A, Guhl F. 2013. Validation of a Poisson-distributed limiting dilution assay (LDA) for a rapid and accurate resolution of multiclonal infections in natural *Trypanosoma cruzi* populations. *J. Microbiol. Methods* doi.org/10.1016/j.mimet.2012.11.002.
58. Gómez-Marín J, de la Torre A, Barrios P, Álvarez C, **Herrera C.** 2012. Toxoplasmosis in military personnel involved in jungle operations *Acta Trop* 122: 46-51.
59. Tomasini N, Lauthier J, Monje Rumi M, Ragone P, Alberti D'Amato A, Perez Brandan C, Cura C, Schijman A, Barnabé C, Tibayrenc M, Basombrío M, Falla A, **Herrera C,** Guhl F, Diosque P. 2011. Spliced-Leader Intergenic Region sequence of *Trypanosoma cruzi* /: typing and phylogenetic analysis of strains from the Chaco región. *Infect Genet Evol.* 11: 300-307.
60. Urrea D, **Herrera C,** Falla A, Carranza J, Cuba-Cuba C, Triana O, Grisard E, Guhl F, Vallejo G. 2011. Identifying haplotypes within mini-exon gene's intergenic sequences from *Trypanosoma rangeli* strains from *Rhodnius ecuadoriensis*, *R. colombiensis*, *R. pallescens* and *R. prolixus* reveals a co-evolutionary association between parasites and vectors". *Acta Trop.* 120: 59-66
61. **Herrera C,** Guhl F, Falla A, Fajardo A, Montilla M, Vallejo G, Bargues MD. 2009 Genetic Variability and Phylogenetic relationships within *Trypanosoma cruzi* I isolates in



Colombia based on minexon gene sequences. JPR, ID 897364, 9 pages  
doi:10.1155/2009/897364

62. Falla A, **Herrera C**, Fajardo A, Montilla M, Vallejo GA, Guhl F. **2009**. Haplotype identification within *Trypanosoma cruzi* I in Colombian isolates from several reservoirs, vectors, and humans. *Acta Trop.* 110:15-21.
63. Vallejo G, Guhl F, Carranza J.C, Herrera C, Urrea DA, Falla A, Zabala D, Villa LM. **2009**. *Trypanosoma cruzi* population variability in Colombia: posible coevolution in different vector species. *Rev Soc Bras Med Trop - Vol: 42: Suplemento II*
64. **Herrera C**, Barges MD, Fajardo A, Montilla M, Triana O, Vallejo GA, Guhl F. **2007** Identifying four *Trypanosoma cruzi* I isolate haplotypes from different geographic regions in Colombia. *Infect Genet Evol.* 7(4):535-539.
65. **Herrera C**, Sánchez N de, Hortua M, Beltran S, Contreras Y. **2005**. Caracterización biológica y antigénica de cepas de *Toxoplasma gondii* aisladas de carnes de cerdo en un frigorífico de Bogotá. *Infectio*, 9 (3): 131-138.

(\* Indicates students or fellows advised by Dr. Herrera)

## BOOKS AND CHAPTERS IN BOOKS

1. Yves Carlier, Eric Dumonteil, **Claudia Herrera**, Etienne Waleckx, Faustino Torrico Sergio Sosa-Estani. Trypanosomiasis Américaine ou Maladie de Chagas. EMC. L'EMC, Encyclopédie Médico-Chirurgicale, couvre l'ensemble des spécialités, médicales, chirurgicales et paramédicales. **In press**
2. Rachel Clear, Dumonteil D, Herrera C. Chapter NGS and its use as tool for parasitology research. In *Recent Advances in Parasitomics*. Edited by Juan David Ramirez. Science reports. **Submitted**
3. Anette Hernández-Andrade, Joel Moo-Millan, Nohemi Cigarroa-Toledo, Angel Ramos-Ligonio, **Claudia Herrera**, et al. Current Topics in the Epidemiology of Vector-Borne Diseases edited by Dr. David Claborn. Chapter Metabarcoding, a powerful yet still underestimated approach for the comprehensive study of vector-borne pathogen transmission cycles and their dynamics. *InterOpen* **2019**. DOI: 10.5772/intechopen.89839
4. **Claudia Herrera**. Chapter: Traducción *in vitro* de proteínas. En *Biología Molecular: Principios y Aplicaciones*. Editores: Jorge Enrique Gómez Marín, Ángel González Marín, Jhon Carlos Castaño Osorio y Manuel Alfonso Patarroyo Gutiérrez. Ed. CIB. (Medellín, Colombia). **2011**. ISBN: 9789589076545
5. Felipe Guhl, Ruben S. Nicholls, Roberto Montoya, Fernando Rosas, Víctor Velasco, Elizabeth Nora, **Claudia Herrera**, María M. Santacruz, et al. Rápida negativización serológica después del tratamiento etiológico para enfermedad de Chagas en un grupo de escolares colombianos. En *Enfermedad de Chagas* Fernando Rosas, Diego Vanegas y Mauricio Cbrales (Eds), (pp. 153-158). Bogotá, Colombia: Panamericana Formas e Impresos S.A. **2007** ISBN 978-958-97065-9-6
6. Guhl, F., Nicholls, S., Beltrán, M., Duque, S., **Herrera, C.**, López, C., Moreno, A., Santacruz, M.M. **2001** Diagnóstico de la enfermedad de Chagas. ISBN958695044-1. 104 páginas

**PROCEEDINGS NATIONAL/INTERNATIONAL. MEETINGS-PUBLICATION IN CONFERENCES**

1. XVII Congreso Colombiano de Parasitología y Medicina Tropical. Variaciones geográficas en la reactividad de la prueba para el diagnóstico serológico de la infección por *Trypanosoma cruzi*. Bogota Colombia. November 30- December 3, **2022**.
2. Evaluation of Synthetic Peptides for the Detection of Antibodies of *Trypanosoma cruzi* by ELISA to Improve Chagas Disease Serological Diagnostics. Jesse Fletcher, Catherine Rolfes, Alicia Majeau, Weihong Tu, Eric Dumonteil, Claudia Herrera. CELT Research Day. Tulane University. April 25, **2022**.
3. Hans Desale Maria Luisa Cafferata, Emily W. Harville, Claudia Herrera, Carine Truyens, Pierre Buekens, Eric Dumonteil. Epigenetic signature of in utero exposure to maternal *Trypanosoma cruzi* infection in umbilical cord blood cells from uninfected newborns. Health Sciences Research Days **2022**. Wednesday, April 20th and Thursday April 21st, 2022. Tulane University. Poster Awarded
4. Murray KO, Thompson JM, Herrera CP. Diagnosis of acute Chagas disease in a Belizean child with evidence of a multi-clonal *Trypanosoma cruzi* infection. Tropical Medicine in the Gulf of Mexico (Trop-G). Virtual Meeting. January 19, **2022** (Oral).
5. Molecular epidemiology of *Trypanosoma cruzi* in rodents from urban areas of New Orleans and human risk. Sophomore BSP- Spring 2022
6. Marcela Hincapie, Kerly Bernabé, James DeCuir, Julie Thompson, Mariana Avendano,
7. Alvaro Proaño, Eric Dumonteil, Claudia Herrera. Chagas Disease Diagnostic Testing In New Orleans' Hospitals. Health Sciences Research Days. Tulane University. April 2021
8. Julie Thompson, Carine Truyens, Eric Dumonteil, Claudia Herrera. Deep sequencing of the mini-exon gene improves genotyping of multiclonal *Trypanosoma cruzi* infections associated with congenital Chagas Disease (poster). 2021 ASTMH Annual Meeting. Virtual November 17-21, 2021
9. Marcela Hincapie, George Nawas, Mariana Avendano, Eric Dumonteil, Margarita Echeverri, Claudia Herrera, Chagas Disease Awareness in a Hispanic Community in New Orleans Area. Infectious diseases IDweek Sept 29-Oct 3, 2021
10. Thompson JM, Habrun C, Scully CM, Sasaki E, Bauer RW, Jania R, Baker RE, Chapman AM, Majeau, A, Pronovost, H, Dumonteil E, Herrera C. Locally transmitted Tcla strain of *Trypanosoma cruzi* in a domestic llama (*Lama glama*) with megaesophagus in a rural area of greater New Orleans, LA, USA (oral presentation 2021 American Association of Veterinary Parasitologists Annual Meeting Lexington, KY. June 20, 2021  
Thompson JM, Habrun C, Scully CM, Sasaki E, Bauer RW, Jania R, Baker RE, Chapman AM, Majeau, A, Pronovost, H, Dumonteil E, Herrera C. Deep sequencing of the mini-exon gene reveals new evidence for a locally transmitted Tcla strain of *Trypanosoma cruzi* in a domestic llama (*Lama glama*) with megaesophagus (poster). Tulane University 2021 Health Sciences Research Day. New Orleans, LA. April 14, 2021. Award received: ByWater Institute for Sustainable Healthy Communities Award George Nawas, Eric Dumonteil, Claudia Herrera, Margarita Echeverri. Chagas Disease Awareness in a Hispanic Community in New Orleans Area. Infectious diseases IDweek Sept 29-Oct 3, 2021
11. Ellis N, Carter BH, Desale HG, Thompson JM, Geneus C, Herrera C, Dumonteil E, Wesson DM, Buekens P, Myer M, Riegel C, Soto R, Varela D, Drouin A, Alger J, Fusco D. Febrile in Honduras: Monthly Zoom Chat to Enhance Surveillance of Emerging Infectious Diseases. Delta Omega Virtual Poster Competition. Tulane University New Orleans, LA. April 24, 2020. (Poster)

12. Alicia Majeau, Claudia Herrera Eric Dumonteil. Poster presentation ASTMH 68th Annual Meeting November 20-24, 2019 Gaylord National Resort and Convention Center National Harbor, Maryland, USA
13. Herrera C 4th International Congress of Vectors (hemipteran: reduviidae: tritominae) and Trypanosoma cruzi: Current panorama and expectations. Conference: Universidad Veracruzana: Chagas disease in pregnant women-2. December 7, 2018. Universidad Veracruzana, Veracruz, Mexico.
14. Herrera C Symposium Overcoming Challenges in Screening and Diagnosis of Chagas Disease. Conference: Serological diagnostic and Trypanosoma cruzi diversity. ASTMH 67th Annual Meeting. October 30, 2018. Sheraton New Orleans and New Orleans Marriot. New Orleans USA.
15. Herrera C New Orleans Infectious Disease Citywide Ochsner Medical Center. September 21st, 2018. Conference: Revisiting Chagas disease in the United States 2: Do we really know enough?
16. Eric Dumonteil, Maria-Jesus Ramirez-Sierra, Silvia Pérez-Carrillo, Christian Teh-Poot, Claudia Herrera, Sébastien Gourbière, Etienne Waleckx. Metabarcoding, a new approach for the comprehensive study of Trypanosoma cruzi transmission cycles and triatomine behavior. ASTMH 67th Annual Meeting. Sheraton New Orleans and New Orleans Marriot. New Orleans USA. October 28- November 1, 2018.
17. Alicia Majeau, Nikki Anderson, Gary Balsamo, Dawn Wesson, Eric Dumonteil, Claudia Herrera Investigating the genetic diversity of Trypanosoma cruzi from Procyon lotor in Louisiana using a next-generation sequencing approach. ASTMH 67th Annual Meeting. Sheraton New Orleans and New Orleans Marriot. New Orleans USA. October 28- November 1, 2018.
18. Henry Pronovost, Anna Peterson, Bruno Gherzi, Michael Blum, Eric Dumonteil, Claudia Herrera. Deep sequencing reveals multiclonality and new discrete typing units of Trypanosoma cruzi in rodents from southern USA. ASTMH 67th Annual Meeting. Sheraton New Orleans and New Orleans Marriot. New Orleans USA. October 28- November 1, 2018.
19. Pronovost H, Peterson A, Gherzi B, Blum M, Dumonteil E, Herrera C. Deep sequencing detects a large molecular diversity of Trypanosoma cruzi infection in single vertebrate hosts and new parasite genotypes in southern Louisiana. Health Sciences Research Days 2018. Tulane University. February 19-20, 2018
20. Laura E. Garcia, Cassan N. Pulaski, Erin R. Cloherty, Claudia Riegel, Claudia P. Herrera, Henry T. Pronovost, Gary A. Balsamo, Susanne C. Straif-Bourgeois. Prevalence of Baylisascaris procyonis and Trypanosoma cruzi in raccoons from New Orleans, LA. ASTMH 66th Annual Meeting. The Baltimore Convention Center Baltimore, Maryland USA. November 5-9, 2017.
21. Pierre Buekens et al., Enfermedad de Chagas congénita: características y resultados de un estudio observacional multicéntrico Argentina, Honduras y México, 2010-2016. XXIV Jornada Científica y XI Congreso de Investigación de las Ciencias de la Salud Faculty of Ciencias Médicas, UNAH Tegucigalpa- Honduras September 27-29, 2017
22. Pierre Buekens, Maria-Luisa Cafferata, Jackeline Alger, Fernando Althabe, Jose M. Belizan, Norma Bustamante, Yves Carlier, Alvaro Ciganda, Jaime H. Del Cid, Eric Dumonteil, Rubi Gamboa-León, Jorge A. Garcia, Luz Gibbons, Olga Graiff, Jesus Gurubel Maldonado, Claudia Herrera, Elizabeth Howard, Laura Susana Lara, Benjamin Lopez, Maria Luisa Matute, María Jesús Ramírez-Sierra, María Cecilia Robles, Sergio Sosa-Estani, Carine Truyens, Christian Valladares, Dawn M. Wesson, and Concepcion Zuniga, for the Congenital Chagas Working Group. Enfermedad de Chagas congénita: características y resultados de un estudio observacional multicéntrico Argentina,

- Honduras y Mexico. XIII Congreso Centroamericano y del Caribe de Parasitología y Medicina Tropical, Tegucigalpa, Honduras, August 22-26, 2017
23. Laura E. Garcia, Cassan N. Pulaski, Erin R. Cloherty, Claudia Riegel, Claudia P. Herrera, Henry T. Pronovost, Gary A. Balsamo, Susanne C. Straif-Bourgeois. *Baylisascaris procyonis* and *Trypanosoma cruzi*: the prevalence of zoonotic diseases in raccoons from New Orleans, LA. National Veterinary Scholars Symposium (NVSS) Washington D.C. held from August 3-5., 2017.
  24. Cropley L, Herrera C, Dumonteil E. A Framework for a bilateral partnership in tropical disease research: Reflections From Undergraduate Student Fieldwork With Chagas Disease. ASTMH 65th Annual Meeting; November 14th, 2016; Atlanta, Georgia USA
  25. Herrera CP, Garcia M, Gorchakov R, Murphy S, Buekens P, Murray KO. Genotyping of *Trypanosoma cruzi* DNA in Blood Samples from Autochthonous Chagas Disease Patients from Southeastern and Central Texas. ASTMH 64th Annual Meeting; 2015 October 27; Philadelphia, Pennsylvania, USA.
  26. Herrera CP, Epidemiología molecular de *Trypanosoma cruzi* en América del Norte. XXIV Congresso da Sociedade Brasileira de Parasitologia (SBP) e XXIII Congreso Latinoamericano de Parasitología (FLAP); 2015 October 29; Salvador, Bahia, Brazil.
  27. Jameson S, Herrera C, Wesson DW. Bloodmeal host preference of *Triatoma sanguisuga* (Hemiptera: Reduviidae) from Louisiana ESA's 62nd Annual Meeting; 2014; Portland, Oregon, USA.
  28. Herrera CP, Licon MH, Jameson S, Buekens P, Wesson DW. A review of phylogenetic relationship among *Trypanosoma cruzi* I and *Triatoma sanguisuga*: First TcIa report in New Orleans. ESA's 62nd Annual Meeting; 2014; Portland, Oregon, USA.
  29. Herrera CP, Licon MH, Jameson S, Buekens P, Wesson DW. Understanding the molecular epidemiology of *Trypanosoma cruzi* I in North America: New Orleans First approach. 63rd Annual Meeting of the American Society for Tropical Medicine and Hygiene; 2014; New Orleans, LA, USA.
  30. Herrera C, Nation C, Samuel J, Buekens P, Wesson D. 2013 Molecular epidemiology of Chagas disease in Southeastern Louisiana: Analysis of samples from Peridomestic rodents and kissing bugs. 62nd Annual Meeting of the American Society for Tropical Medicine and Hygiene. Washington, DC, USA.
  31. Herrera C, Barnabé C, Brenière F. 2013. Does clustering exist in the TCI DTU of *Trypanosoma cruzi*, a revision of the mini-exon gene (SL-IR). 62nd Annual Meeting of the American Society for Tropical Medicine and Hygiene. Washington, DC, USA.
  32. Samuel J, Herrera C, Nation C, Moudy R, Wesson D. 2013 Toward an understanding of host preference in *Triatoma sanguisuga* (hemiptera:reduviidae). 62nd Annual Meeting of the American Society for Tropical Medicine and Hygiene. Washington, DC, USA.
  33. Martha Liliana Pinzón, Claudia Herrera, Jorge Enrique Gómez, Fabiana Lora, Alejandra Arévalo, María Consuelo Vanegas. 2011. Detección de ADN de *Toxoplasma gondii* en agua potable de Bogotá. En Colombia. *Biomédica* 2011;31(sup.3):241
  34. Catalina Álvarez, Claudia Herrera, Jorge Enrique Gómez. 2011. Búsqueda de genes de virulencia de *Toxoplasma gondii* en cepas de diferentes tipos de clones y muestras clínicas: el caso de ROP16, resultados preliminares. En Colombia. *Biomédica* 2011;31(sup.3): 399
  35. Juan David Ramírez, Claudia Herrera, Lina Rendón, Daniel Suárez, Yizeth Bogotá, Alejandro Suárez, Felipe Guhl. 2011. Estandarización de un protocolo de dilución limitante para la clonación celular de aislamientos colombianos de *Trypanosoma cruzi* En Colombia. *Biomédica* 2011;31(sup.3):327
  36. Herrera C, Alvarez C\*. 2011. Avances en la epidemiología molecular de la toxoplasmosis en América. *Biomédica* 31(3):149-151

37. Catalina Álvarez, Claudia Herrera, Alejandra De la Torre, Patricia Barrios, Néstor Cardona, Jorge Enrique Gómez. 2011. Toxoplasmosis en personal militar en operaciones de patrullaje en regiones selváticas y urbanas de Colombia. En Colombia. Biomédica 2011;31(sup.3):317
38. Claudia Herrera, Catalina Álvarez. 2011. Avances en la epidemiología molecular de la toxoplasmosis en América En Colombia. Biomédica 2011;31(sup.3):149-151
39. Alejandra De La Torre, Patricia Barrios, Martha Catalina Alvarez Meneses, Claudia Herrera, Fernando Gomez, Jorge Enrique Gomez Marin. 2010. "Tamización por oftalmoscopia indirecta para retinocoroiditis por Toxoplasma sp. en personal militar en Colombia". En: Colombia. Infectio ISSN: 0123-9392 ed: Acinv.14 fasc.S1 p.83 - 83 ,2010.
40. Nestor Ivan Cardona, Martha Catalina Alvarez, Alejandra de la Torre, Claudia Patricia Herrera, Jorge Enrique Gomez- 2010. "Determinación de la parasitemia por Toxoplasma gondii en personal de las Fuerzas Militares de Colombia" . En: Colombia Infectio ISSN: 0123-9392 ed: Acin. v.14 fasc. S1 p.60 - 60 ,2010
41. Martha Catalina Alvarez, Claudia Patricia Herrera, Patricia Barrios, Alejandra de la Torre, Jorge Enrique Gomez. 2010. "Prevalencia de anticuerpos anti-Toxoplasma gondii en personal militar en operaciones de patrullaje en la región suroriental de Colombia y en Bogotá" En: Colombia Infectio ISSN: 0123-9392 ed: Acin.v.14 fasc.S1 p.60 - 61 ,2010
42. Acero D, Herrera C, Guhl F. 2009. Análisis de la variabilidad genética de secuencias ribosómicas ITS 1 y 2 en aislamientos colombianos de Trypanosoma cruzi. Biomedica. Vol. 29, Sp. 1, p 313.
43. Claudia Herrera, Felipe Guhl, Alejandra Falla, M. Dolores BARGUES, Frederique Breniere. 2009. Concordancia de haplotipos propuestos de Trypanosoma cruzi I con aislamientos de otras regiones de Latinoamérica. Biomedica. Vol. 29, Sp. 1, p 303.
44. Gustavo Adolfo Vallejo, Daniel Alonso Urrea, Ximena Carolina Pulid, Elizabeth Ruiz, Gerardo Pérez, Claudia Herrera, Felipe Guhl. 2007. Transmisión selectiva de genotipos de *Trypanosoma cruzi* y *Trypanosoma rangeli*: Implicaciones Epidemiológicas. Biomédica. 27,2: 37-40.
45. Falla A, Guhl F, Herrera C, Fajardo A, Montilla M, Vallejo G, Triana O. 2007. Identificación del haplotipo 4 de Trypanosoma cruzi I en aislamientos colombianos provenientes de vectores y reservorios. Memorias XIII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 27. Supl. No. 2- noviembre de 2007. pag. 168
46. Fajardo A, Vallejo G, Herrera C, Falla A, Pinto N, Aguilera G, Roso J, Bogotá Y, Villa L, Hincapié E, Beltrán D, Guhl F. 2007. Identificación y tipificación de Trypanosomatideos en vectores y reservorios provenientes de la vereda Chaparral (Támara, Casanare). Memorias XIII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 27. Supl. No. 2- noviembre de 2007. pag. 210
47. Fajardo A, Herrera C, Montilla M, Vallejo G, Triana O, Guhl F. 2007. Evaluación de la infección de Rhodnius prolixus y Triatoma dimidiata con mezclas de aislamientos de Trypanosoma cruzi I y II. Memorias XIII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 27. Supl. No. 2- noviembre de 2007. pag. 170
48. Herrera C, Guhl F, BARGUES MD, Fajardo A, Montilla M, Triana O, Vallejo G. 2007. Análisis ulterior de los 4 haplotipos de Trypanosoma cruzi I aislados en diferentes zonas geográficas de Colombia. Memorias XIII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 27. Supl. No. 2- noviembre de 2007. pp. 168-169

49. Gustavo Adolfo Vallejo, Julio Cesar Carranza, Maria Teresa Cardona, Cesar Augusto Ramirez, Claudia Herrera, Felipe Guhl 2005. "Estudio de la reaccion serologica cruzada de dos subpoblaciones de Trypanosoma rangeli (KPI(-) Y KPI(+)) con dos subpoblaciones de Trypanosoma cruzi" En: Colombia. 2005. Evento: XL Congreso Nacional de ciencias biológicas ponencia: libro: revista colombiana de la asociación de ciencias biológicas, digital imagen, p.153 - 153 , v.17
50. Ramírez, C.A., Cardona, M.T., Carranza J.C, Vallejo G.A., Herrera C.P., Gulh F. 2005. Reacción serológica cruzada entre Trypanosoma cruzi con las subpoblaciones de KPI (-) y KPI (+) de Trypanosoma rangeli In: XII Congreso Colombiano de Parasitología y Medicina Tropical, Bogotá. Biomédica. , 2005. v.25. p.96.
51. Pinto, N., Marín, D., Herrera, C., Aguilera, G., Naranjo, J.M., Vallejo, G. Guhl, F. 2005. Comprobación del ciclo silvestre de Rhodnius prolixus Stall en reductos de Attalea butyracea, en el departamento de Casanare. Memorias XII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 25.Supl. No. 1 noviembre 2005 p: 159.
52. Guhl, F., Pinto, N., Marín, D., Herrera, C., Aguilera, G., Naranjo, J.M., Vallejo, G. 2005. Primer reporte de Rhodnius prolixus Stal, en Elaeis guineensis I, variedad Papúa, en plantaciones agroindustriales de Villanueva, Casanare. Memorias XII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 25. Supl. No. 1 noviembre de 2005. pp 158-159
53. Herrera, C.P., Bagues, M.D., Fajardo, A., Montilla, M., Triana, O. Vallejo, G., Guhl, F. 2005. Variabilidad genética en diferentes aislamientos de Trypanosoma cruzi, grupo TCI en Colombia. Memorias XII Congreso Colombiano de Parasitología y Medicina Tropical, Biomédica. Vol. 25. Supl. No. 1 noviembre de 2005. pag. 206.
54. Guhl F, Nicholls RS, Montoya R, Rosas F, Velasco VM, Mora E, Herrera, C, Santacruz, MM, Pinto N, Aguilera G, Salcedo P, Zipa NY, Florez J, Olarte A, Castillo N. 2005. Rápida negativización serológica después del tratamiento etiológico para la enfermedad de Chagas en un grupo de escolares colombianos. Memorias Primer Taller Internacional Sobre Control de la Enfermedad de Chagas. Curso de Diagnóstico, Manejo y Tratamiento de la Enfermedad de Chagas. VI Reunión de la Iniciativa Andina para el Control de la Enfermedad de Chagas. 2-6 mayo, 2005. pp. 211-218.
55. Guhl F, Nicholls R, Montoya R, Rosas F, Velasco F, Mora E, Herrera C et al., 2004. Rapid negativization of serology after treatment with Benznidazole for Chagas disease in a group of Colombian Schoolchildren. Reprinted from: Multidisciplinary for Parasites, Vectors and Parasitic Diseases. Proceedings of the IX European Multicolloquium of Parasitology. Volume 1. Valencia (Spain), July 18-23, 2004. Volume ISBN 88-7587-115-9. CD ISBN 887578-116-7. Pp. 107-114
56. Garavito MF, Lozano BG, Herrera C, Zimmermann B. 2005. Ensayo preliminar de inmunosupresión para la recuperación de la cepa PC-117 de Toxoplasma gondii In: XII Congreso Colombiano de Parasitología y Medicina Tropical, Bogotá. Biomédica. v.25. p.132 – 133
57. Cardona, M.T., Ramírez, C.A., Carranza J.C, Vallejo G.A., Herrera C.P., Gulh F. 2004 Estudio de la reacción serológica cruzada de Trypanosoma cruzi con dos subpoblaciones de Trypanosoma rangeli KP1 (+) y KP1 (-) mediante inmunofluorescencia indirecta In: XXXIX Congreso Nacional de Ciencias Biológicas, Ibagué. Rev. Asoc. Colombiana de Ciencias Biológicas. v.16. p.149.
58. Cuervo L.A., Mojica M.T., Dib J.C., Chacón R, Ariza K., Agudelo L.A., Herrera C., Guhl F. 2003. "Riesgo de la transmisión de la enfermedad de Chagas en la Bahía de Taganga, Santa Marta, Colombia. Memorias XI Congreso de Medicina Tropical y Parasitología". Biomédica 23(1): 186

59. Sánchez Nhora de, Herrera Claudia. Lamprea Lucy. 2003. Estudio de prevalencia de toxoplasmosis en cerdos de consumo humano en un frigorífico de Bogotá In: Primer congreso colombiano de microbiología de alimentos, 9-10 de octubre de 2003 Publicaciones Universidad de los Andes, Bogotá.
60. Rosas F, Guhl F, Velasco V, Jumbo L, Jaramillo C, Rodríguez D, Gil E, Aguilera; G., Herrera CP, Pinto, N., Barrios, D., Cordovez., Zipa, J., Becerra, H., Montoya., Roberto., Cepeda, Idelfonso., Sarmiento, C., Alvarez V. 2002. Morbilidad de la Enfermedad de Chagas en fase crónica en Colombia. Detección de pacientes chagásicos con Cardiopatía en un área endémica del departamento de Boyacá. Revista Colombiana de Cardiología. 9(5): 349-359
61. Delgado M.P., Jaramillo C., Guhl F., Montoya R., Rosas F., Nicholls S. y Herrera C. 2003. "Uso de la reacción en cadena de la polimerasa (RCP) como herramienta en la evaluación de la terapia tripanocida con benzonidazol en niños infectados con *Trypanosoma cruzi*. Memorias XI Congreso de Medicina Tropical y Parasitología". Biomédica 23(1): 183. Herrera, C., Sanchez Rodriguez, Nhora de. 2000. Comparación de antigenicidad de tres cepas de *Toxoplasma gondii* usando un inhibidor de su vía biosintética y Western-blot. In: Memorias Segundo Congreso Internacional de Toxoplasmosis., Bogotá. p.144
62. Pachón DP, de Sánchez N, Herrera C, Gómez S. 2000 Comparacion serológica de Inmunoglobulina A e Inmunoglobulina M esn pacientes infectados con *Toxoplasma gondii*. Biomédica. Revista de Instituto Nacional de Salud. Suplemento No. 1. Santafé de Bogotá. Noviembre.
63. Herrera, C. Gutierrez, P. De Sánchez, N. & Gulh, F. 1998. Relación por infección por *T. gondii*, prevalencia y posible aislamiento a partir de carnes de cerdo. Memorias. XV. Congreso Nacional de Medicina Interna. Cartagena, Colombia.
64. Herrera, C.P, Sánchez, N. de. 1998. Infección por *Toxoplasma gondii*, prevalencia y posible aislamiento a partir de carnes de cerdo In: Memorias XV Congreso Nacional de Medicina Interna, Cartagena. Colombia
65. Herrera C, de Sánchez, N., Jaramillo C. 1997. Análisis de Polimorfismo genéticos entre tres cepas de *Toxoplasma gondii* mediante la técnica de RAPD'S. Biomédica. Revista de Instituto Nacional de Salud. Volumen 17 Suplemento No. 2. Santafé de Bogotá. Noviembre de 1997.
66. Sanchez N de, Jaramillo, C., Herrera, CP. 1997. Caracterización de *Toxoplasma gondii* mediante la técnica de RAPD. In: IX Congreso Colombiano de Parasitología y Medicina Tropical, 1997, Medellín.

## **F. Media appearances**

### **NEWSLETTER**

Chagas Disease Clinical Research Platform. No. 10. August 2020. Assessing *Trypanosoma cruzi* phylogeography to improve serological diagnostic of maternal and congenital infection. Claudia Herrera and Eric Dumonteil. Department of Tropical Medicine. School of Public Health and Tropical Medicine. Tulane University  
 Retrieved from <https://dndi.org/wp-content/uploads/2020/08/ChagasClinicalResearchPlatform-Newsletter-10-EN-2020.pdf>

## PRESS COVERAGE

1. New Orleans Telemundo 42 Local News (**April 8 and 9, 2024**) Interview about Chagas disease and the Chagas program for the Latino Community in New Orleans (Spanish)
2. New Orleans Jambalaya News (**September 29, 2022**) Interview about Chagas disease and the Chagas program for the Latino Community in New Orleans (Spanish) transmitted alive in the Latino Channel and in Facebook.  
<https://www.facebook.com/JambalayaNewsRadio/videos/1228227324621806>
3. New Orleans 42 Local News (**April 30, 2021**) Chagas Latinx Community Fair.  
<https://www.youtube.com/watch?v=IMVJekqS-yQ> (4:14- 6:23)
4. Tulane today-Facebook- Instagram. Fellows-selected-for-new-Scialog-mitigating-zoonotic-threat. <https://rescorp.org/news/2021/06/fellows-selected-for-new-scialog-mitigating-zoonotic-threats, 2021>
5. Tiernan Ray (**June 29, 2020**) With unprecedented amounts of genetic data, researchers are tracking how COVID-19 mutates around the world. Zdnet. Retrieved from <https://buff.ly/384PuAj>

## G. Google Scholar

Citations 2056, H-index 26, i10-index 55. Retrieved on June 1-2024

[https://scholar.google.com/citations?hl=en&view\\_op=list\\_works&qmla=AJ1KiT0yn5aoiV6MZ3B3Htx58vOumPU2pXJf8ZY5ikrVvprUWqYCpQn\\_p5ILZ7IM0UaTfK\\_2LJeStzJn0zpEtw&user=K1dZhekAAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&qmla=AJ1KiT0yn5aoiV6MZ3B3Htx58vOumPU2pXJf8ZY5ikrVvprUWqYCpQn_p5ILZ7IM0UaTfK_2LJeStzJn0zpEtw&user=K1dZhekAAAAJ)

## PRESENTATIONS

### A. PARTICIPATION IN CONFERENCES AS INVITED SPEAKER

1. Diagnostic evaluation and economic impact analysis of new methods for Chagas disease diagnosis. FIND and DNDi, in collaboration with PAHO and CONICET-INGEBI, **May 6-7, 2024**. Buenos Aires-Argentina
2. IX Chagas and Malaria Symposium: Innovating Strategies for Comprehensive Care. Barriers to accessing medical care for Chagas disease: a perspective from the United States. **April 18 -19, 2024**. Ministry of health and social protection, Bogota- Colombia
3. Voice of Chagas. Department of Tropical Medicine and Infectious disease. Tulane University. **April 19, 2024**
4. Workshop on Real-Time Polymerase Chain Reaction (PCR) Procedures and Target Product Profile for Chagas Disease Clinical Trials. Rationale for Genotyping (DTUs and other genetic markers). Drugs for Neglected Diseases initiative (DNDi). Within the framework of the 2023 ASTMH meeting. **October 19, 2023**. Hyatt Conventional Center, Chicago Illinois
5. 58th Congress of the Brazilian Society of Tropical Medicine (MEDTROP 2023), Barriers and Challenges in the Screening and Diagnosis of Chagas Disease. **September 10 to 13, 2023**. Convention Center in Salvador, Bahia - Brazil.



6. XXI Annual Course in Molecular Epidemiology. **September 3 to 8, 2023.** Oswaldo Cruz Foundation of Brazil in Salvador-Brazil
7. Summer Engagement Series. Department of Tropical Medicine and Infectious disease. Tulane University. **August 2, 2023**
8. XVIII Workshop on Chagas Disease Retos en el acceso al diagnóstico de la Enfermedad de Chagas. ISGlobal, Barcelona-Spain **April 11-13, 2023**
9. Grand Rounds Presentation. Chagas disease in the United States and Chagas disease program creation. DePaul Community Health Centers- New Orleans. **April 4, 2023**
10. Grand Rounds Presentation- ID fellows conference, University Medical Center, New Orleans. **March 29, 2023**
11. Grand Rounds Presentation- Hospital-City-Wide Grand Round, East Jefferson General Hospital, New Orleans. **Feb 15, 2023.**
12. Grand Rounds Presentation- Multi-institutional grand round, LSU, Tulane, Children's Hospital and Ochsner Medical Center, New Orleans **February 14, 2023.**
13. Grand Rounds Presentation- Family residents. Chagas disease in the United States. East Jefferson General Hospital, Metairie, LA - LCMC Health. **February 14, 2023.**
14. Grand Rounds Presentation- Family residents. Chagas disease in the United States. East Jefferson General Hospital, Metairie, LA - LCMC Health. **February 10, 2023.**
15. Grand Rounds Presentation- Internal medicine grand rounds, Tulane School of Medicine, New Orleans. **February 3, 2023.**
16. Grand Rounds Presentation- Cardiology attendings and fellows, Cardiology Department, Tulane Medical Center. **January 13, 2023.**
17. XVII Congreso Colombiano de Parasitología y Medicina Tropical. Variaciones geográficas en la reactividad de la prueba para el diagnóstico serológico de la infección por *Trypanosoma cruzi*. Bogota Colombia. **November 30- December 3, 2022.**
18. RIGHT Program (internal medicine-ID), Tulane School of Medicine, New Orleans, **November 17, 2022.**
19. 6º Congreso Internacional de Vectores (Hemíptera, Reduviidae, Triatominae) y de *Trypanosoma cruzi*: Panorama actual y expectativas. Barriers on Screening and Diagnostic of Chagas Disease. Merida, Yucatan, Mexico. **October 25-29, 2022.**
20. Pediatric Grand Rounds Presentation. Chagas disease in the United States. Children's Hospital New Orleans. **October 5-2022.**
21. Taller Internacional Diagnostico y Manejo Clínico e integral de la Enfermedad de Chagas. Diagnóstico Molecular de la Enfermedad de Chagas. Asociación Mexicana de Parasitología. **October 18, 2021.**
22. Workshop internacional "Fortalecimiento de las capacidades para el reconocimiento diagnóstico y manejo clínico integral de la enfermedad Modulo IV-Biología Molecular de *Trypanosoma cruzi*" **June 3, 2021.** Universidad de Guayaquil- Ecuador.
23. Workshop internacional "Fortalecimiento de las capacidades para el reconocimiento diagnóstico y manejo clínico integral de la enfermedad Modulo III-Diagnóstico de la enfermedad de Chagas" May 27, **2021.** Universidad de Guayaquil- Ecuador
24. Webinar: Enfermedad de Chagas en Centroamérica – Proyecto Alianzas y atención en tiempos de COVID-19 **Dec 9-2020 DNDi**
25. Webinar Commemoration World Chagas Disease Day for the first time in 2020 Speaker. "Diversidad Genética de *Trypanosoma cruzi* y sus implicaciones". Total Participants 200 participants. **April 29, 2020.** Colombian Association of Parasitology and Tropical medicine (Spanish Acronym: ACPMT)- Colombia.
26. 4<sup>th</sup> International Congress of Vectors (hemipteran: reduviidae: tritominae) and *Trypanosoma cruzi*: Current panorama and expectations. Conference: Universidad

- Veracruzana: Chagas disease in pregnant women-2. **December 7, 2018**. Universidad Veracruzana, Veracruz, Mexico.
27. Symposium Overcoming Challenges in Screening and Diagnosis of Chagas Disease. Conference: Serological diagnostic and *Trypanosoma cruzi* diversity. ASTMH 67th Annual Meeting. **October 30, 2018**. Sheraton New Orleans and New Orleans Marriot. New Orleans USA.
  28. Epidemiología molecular de *Trypanosoma cruzi* en América del Norte. Herrera CP. XXIV Congresso da Sociedade Brasileira de Parasitologia (SBP) e XXIII Congresso Latinoamericano de Parasitología (FLAP); **October 29 2015**; Salvador, Bahia, Brazil.
  29. Second international workshop on Molecular Epidemiology of Parasites and Dengue. Guayaquil-Ecuador. **October 2-5, 2013**. Conference: "Introduction to Molecular Epidemiology"
  30. Second international workshop on Molecular Epidemiology of Parasites and Dengue. Guayaquil-Ecuador. **October 2-5 2013**. Conference: Design and validation of techniques according to objective: Diagnosis, Genotyping, Phylogenetic.
  31. Semana de Chagas. Enfermedad desatendida. Cochabamba-Bolivia. **April 15-19, 2013**. Conference: "Investigación en Chagas desde la Universidad de Tulane"
  32. XXI Latin American Congress of Parasitology. Federacion Latinoamericana de Parasitologia. FLAP-Guayaquil-Ecuador. **October 6-9, 2013** Conference: Epidemiología Molecular de enfermedad de Chagas, una vista desde Norte America.
  33. Research Seminar Series. Department of Biological Sciences. Loyola University-New Orleans **April 25, 2013**. Conference: Molecular Eco-epidemiology of *T. cruzi* I.
  34. Semana de Chagas. Enfermedad desatendida. Cochabamba-Bolivia. **April 15-19, 2013**. Conferencia: Investigación en Chagas desde la Universidad de Tulane.
  35. Special seminar. Department of Tropical Medicine. Tulane University. New Orleans-USA. **December 9, 2011**. Conference: Eco-epidemiology and molecular dynamics of transmission of *T. cruzi* I in America.
  36. Curso internacional de Actualización Molecular de la Enfermedades Infecciosas **2011**. Universidad Mayor de San Andres. Facultad de Ciencias Farmacéuticas y Bioquímicas. La Paz Bolivia. Conference: Avances en la Epidemiología de la Toxoplasmosis. **July 10-14, 2011**.
  37. Curso internacional de Actualización Molecular de la Enfermedades Infecciosas 2011. Universidad Mayor de San Andres.Facultad de Ciencias Farmacéutcias y Bioquímicas. La Paz Bolivia **July 2011**. Conference: Epidemiología Molecular de la Tripanosomiasis Americana-Enfermedad de Chagas.
  38. XXIII Reunión Científica Anual. Sociedad Argentina de Protozoología. Foro Cultural de la Universidad Nacional del Litoral. Santa Fe. Argentina. **October 22-24, 2009**. Conference: "Epidemiología Molecular de *Trypanosoma cruzi* I basada en la región intergénica de la miniexon gen.
  39. Primer Curso Internacional de Medicina Tropical y Enfermedades Olvidadas 2007. Universidad Nacional de Colombia, TDR, OPS,.Conference: "Enfermedad de Chagas: Diagnóstico, viejas y nuevas aproximaciones". Bogotá **June 12-15, 2007**
  40. Diagnóstico de la Enfermedad de Chagas. la enfermedad de Chagas. Yopal, Casanare. Conference: "Ecoepidemiología de los vectores de la enfermedad de Chagas". "Perspectivas de investigación" **August 7-9 2006**.
  41. VII Congreso Nacional de Enfermedades de Infecciosas. Conference: Estado Actual de la Enfermedad de Chagas en Colombia. Asociación Colombiana de infectología. Medellín **May 25-28, 2005**.
  42. XVI Congreso Latinoamericano de Parasitología. Conference: Estado Actual en el diagnóstico de la Toxoplasmosis. La Paz, Bolivia. **October 1-3, 2003**.

## GRANTS AND CONTRACTS

### A. ACTIVE RESEARCH GRANTS

- 2023-2028** Co-investigator, Non-inferiority trial of a therapeutic vaccine against Chagas disease in naturally infected rhesus macaques. **R01** Submitted to the NIH-National Institute of Allergy and Infectious Diseases (NIAID) PI: Dumonteil **Total direct cost \$3,593,406.**
- 2023-2025** Co-investigator, Intra-host *Trypanosoma cruzi* parasite dynamics in naturally infected macaques and Chagas disease progression. R21 Submitted to the NIH-National Institute of Allergy and Infectious Diseases (NIAID) PI: Dumonteil Total direct cost **\$375,000.**
- 2019-2025** Principal Investigator- Development of Improved Serological Diagnostic and Parasite Genotyping Tools for Congenital Chagas Disease. National Institutes of Health /NICHD **R01** Total direct cost: **\$2,656,709.**
- 2018-2024** Co-investigator-Short-course Benznidazole Treatment to reduce *Trypanosoma cruzi* Parasitic Load in Women of Reproductive age: A non-inferiority randomized controlled trial. National Institutes of Health / NIAID. PI: Buekens. **R01** Total direct cost: **\$2,600,000**
- 2022-2023** Principal Investigator. Metagenomic-guided tests of zoonotic pathogen diversity in migratory wildlife. **Research Corporation for Science Advancement-USDA. \$55,000**
- 2022-2023** Principal Investigator. A Sensitive Lateral Flow Assay for Point-of-Care Testing of Emerging Zoonotic Diseases. **Research Corporation for Science Advancement-USDA. \$55,000**
- 2022-2023** Principal Investigator. Translational research: Chagas disease screening and education in the Latin American Population in New Orleans greater area- From the laboratory research to the community. Tulane University COR Research Fellowships. **\$7,500**

### B. COMPLETED GRANTS/CONTRACTS

- 2020-2022** Co-principal investigator- Antigen discovery for an improved serologic diagnostic of *Trypanosoma cruzi* infection in dogs. AKC Canine Health Foundation. PI: Dumonteil. Total direct cost: **\$199,025**
- 2020-2022** Principal Investigator. Innovative and interdisciplinary collaboration for the study of the transmission of *Trypanosoma cruzi* in the southern US. Chagas disease screening in Latin American Population in New Orleans greater area. ByWater Institute Faculty Fellowships in Interdisciplinary Collaboration. Tulane University Total direct cost **\$25,000**
- 2021-2022** Principal Investigator. Mentor Faculty "Evaluation of Synthetic Peptide for the Detection of Antibodies to *Trypanosoma cruzi* by ELISA to improve Chagas disease serological diagnostic". CELT- Tulane University Undergraduate research grant **\$6,000**

- 2021-2022** Co-investigator. Why Not? ¿Por qué no? Focus Group. Community engage study to promote the Covid-19 vaccination into the Latinx community. PI: Claudia Medina. Ochsner **\$5,000**
- 2019-2021** Co-investigator Diagnostic and molecular identification of *Trypanosoma cruzi* infection in cats from animal shelters in southern Louisiana. Winn Foundation PI: Dumonteil.
- 2019-2022** Co-investigator Development of a Chagas Disease vaccine Carlos Slim Foundation. PI: Dumonteil. Total direct cost: **\$91,314**
- 2018-2022** Co-investigator- Next Generation Sequencing and Metabarcoding as a Novel Approach for the Molecular Epidemiology of *Trypanosoma cruzi* Transmission Louisiana Board of Regents-LEQSF PI: Dumonteil. Total direct cost: **\$133,548**
- 2018-2019.** Principal Investigator “Ecology of *Trypanosoma cruzi* and Risk for Human Infection in Rural New Orleans”. ByWater Institute-Louisiana.
- 2018-2019.** Co-investigator- Development of a novel metagenomic approach to elucidate. triatomine ecology and Chagas disease epidemiology Carol Lavin Bernick Faculty Grant. PI: Dumonteil
- 2017-2018.** Principal Investigator “Molecular epidemiology of *Trypanosoma cruzi* in rodents from urban areas of New Orleans and human risk”. Center for Engaged Learning and Teaching. (CELT)/Tulane University.
- 2017-2018.** Principal Investigator “Development of a novel metagenomic approach to elucidate triatomine ecology and Chagas disease epidemiology”. Center for Engaged Learning and Teaching. Carol Lavin Bernick Faculty Grant Tulane University.
- 2016-2017.** Principal Investigator “Identification and genotyping of natural populations of *Trypanosoma cruzi* parasites in triatomines captured in sylvatic and (peri)-domestic environments. Center for Engaged Learning and Teaching. (CELT)/Tulane University
- 2016-2017.** Principal Investigator “Ecology of *Trypanosoma cruzi* and risk for human infection in rural New Orleans. Carol Lavin Faculty Grant. Tulane University
- 2016-2018.** Co-investigator “Integral analysis of the epidemiological situation of Chagas disease in Mexico. Mexico. Carlos Slim Foundation
- 2016-2018.** Co-investigator “Use of shelter dogs as sentinels for domestic/peridomestic transmission of *Trypanosoma cruzi* in Louisiana. COBRE/ Tulane University / Louisiana State University.
- 2015-2016.** Principal Investigator “Chagas disease in New Orleans: an opportunity for student and community training”. Center for Engaged Learning and Teaching. (CELT)/Tulane University
- 2012-2014.** Co-investigator “Molecular epidemiology of Chagas disease: in a small area in New Orleans analyzing samples from small mammals and triatomines” SPHTM-Tulane University.
- 2012-2016.** Co-investigator “Congenital Transmission of Lineages I and II of *Trypanosoma cruzi*” R01 AI083563- NIH/NIAID.