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**Affiliation:** Program in Molecular Medicine, University of Massachusetts Chan Medical School  
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**PROFESSIONAL EXPERIENCE**

University of Massachusetts Chan Medical School

**Department:** Program in Molecular Medicine  
**Position:** Senior Research Scientist  
**Supervisor:** Jeremy Luban, M.D.  
**Date:** August 2022 – current

Cornell University

**Department:** Department of Microbiology and Immunology, College of Veterinary Medicine  
**Position:** Postdoctoral Associate  
**Supervisor:** Gary R. Whittaker, Ph.D.  
**Date:** July 2019 – June 2022

Cornell University

**Department:** Department of Microbiology, College of Agricultural and Life Sciences  
**Position:** Graduate Research Assistant  
**Supervisor:** Gary R. Whittaker, Ph.D.  
**Date:** May 2014 – May 2019

Universidad de La Salle, Bogota D.C., Colombia

**Department:** School of Agricultural Sciences  
**Position:** Assistant Professor (2009-2014), Associate Professor (2014-2018)  
**Appointment duties:** 40% Teaching, 50% Research, 10% Service (DGS – Specialization Program in Animal Health)  
**Supervisor:** Luis Carlos Villamil, D.V.M., M.S., Ph.D.  
**Date:** January 2009 – July 2018

Universidad de La Salle, Bogota D.C., Colombia

**Department:** Vice-Presidency of Research  
**Position:** Adviser. Coordinator of BIOFARMA Program  
**Supervisor:** Manuel Cancelado Jiménez, Ph.D.  
**Date:** July 2008 – December 2008

Universidad Nacional de Colombia, Bogota D.C., Colombia

**Department:** School of Veterinary Medicine and Animal Sciences  
**Position:** Teaching and research assistant  
**Supervisor:** Victor J. Vera, D.V.M., M.S., Ph.D.  
**Date:** March 2006 – May 2008

Universidad El Bosque, Bogota D.C., Colombia

**Department:** Institute of Molecular Biology  
**Position:** Student intern  
**Supervisor:** Martha Fontanilla, Ph.D.  
**Date:** July – December 2005



### EDUCATION

#### Doctor of Philosophy (Ph.D.) – Microbiology

**Institution:** Cornell University, Ithaca, NY, United States of America

**Dissertation:** Feline coronavirus: mechanisms of entry into the host cell

**Thesis advisor:** Gary R. Whittaker, Ph.D.

**Conferral date:** May 26<sup>th</sup>, 2019

#### Master of Business Administration (M.B.A.) – Business Creativity and Innovation

**Institution:** Universidad de La Salle, Bogota D.C., Colombia

**Dissertation:** Design of a model of innovation and strategic management, based on the experience of three veterinary vaccine producer companies in Colombia

**Thesis advisor:** Robert T. Blanco, M.B.A.

**Conferral date:** April 26<sup>th</sup>, 2013

#### Master of Science (M.S.) – Animal Health (Virology)

**Institution:** Universidad Nacional de Colombia, Bogota D.C., Colombia

**Dissertation:** Use of molecular techniques for the identification and characterization of field and vaccine strains of infectious bursal disease virus

**Thesis advisor:** Victor J. Vera, D.V.M., M.S., Ph.D.

**Conferral date:** March 27<sup>th</sup>, 2009

#### Doctor of Veterinary Medicine (D.V.M.)

**Institution:** Universidad Nacional de Colombia, Bogota D.C., Colombia

**Dissertation:** Evaluation of the pathogenic activity of an avian infectious bronchitis virus (IBV) field strain

**Thesis advisor:** Victor J. Vera, D.V.M., M.S., Ph.D.

**Conferral date:** February 24<sup>th</sup>, 2006

### DISTINCTIONS AND HONORS

- Ambassador for Colombians Abroad Medal – Awarded by the Congress of the Republic of Colombia (2020)
- Featured Colombians Abroad – Colombia Nos Une program, Ministry of Foreign Relations, Republic of Colombia (2020)

### AWARDS AND FELLOWSHIPS

- Cornell Rising Star – Program for Achieving Career Excellence, Cornell University (2022)
- Achievement Award for Excellence in Community Engagement – Office of Postdoctoral Studies, Cornell University (2021)
- Future Faculty Career Exploration Program – Rochester Institute of Technology (2019)
- Building Future Faculty Scholar – North Carolina State University (2019)
- NextGen Professors Program – Cornell University (2019)
- Liz Hanson Graduate Scholarship – College of Veterinary Medicine, Cornell University (2018 – 2019)
- 36<sup>th</sup> American Society for Virology Annual Meeting travel award – American Society for Virology (2017)
- XIV International Nidovirus Symposium travel award – NIDO2017 Organization Committee (2017)
- Fulbright Scholarship – The Fulbright Program – Colombia (2014 – 2018)
- Scholarship for Professors of the Universidad de La Salle – Universidad de La Salle (2009 – 2011)
- Scholarship Program for Outstanding Graduate Students – Universidad Nacional de Colombia (2006 – 2008)

### PROFESSIONAL ASSOCIATIONS

- The Honors Society of Phi Zeta (Alpha chapter – Cornell University) – Full membership (2018 – current)
- American Society for Virology – Full membership (2017 – current)
- Honors Society – Full membership (2017 – 2018)
- Asociación Colombiana de Virología – Full membership (2015 – current)
- The New York Academy of Sciences - Science Alliance Membership (2015 – 2023)

### FUNDED RESEARCH GRANTS

**Title:** Nanobiosensores para la detección rápida de SARS-CoV-2

**Principal investigators:** Jahir Orozco-Holguín (Universidad de Antioquia)

**Co-investigators:** Carlos Muskus (Universidad de Antioquia), Maria Cristina Navas (Universidad de Antioquia), **Javier A. Jaimes** (Cornell University), Arben Merkoçi (Instituto Catalán De Nanociencia y Nanotecnología)



**Funding source:** Ministerio de Ciencia, Tecnología e Innovación – Minciencias, República de Colombia

**Amount granted:** \$180,000 USD **Duration:** 2020 to 2021 (12 months)

**Title:** Estudio de las alteraciones funcionales inducidas por la interacción de la proteína S (Spike) del SARS-CoV-2 con monocitos/macrófagos y células del epitelio respiratorio diferenciado

**Principal investigators:** Maria Cristina Navas

**Co-investigators:** Silvio Urcuqui (Universidad de Antioquia), Homero San Juan (Universidad del Norte), Juan Carlos Hernández (Universidad Cooperativa de Colombia), **Javier A. Jaimes** (Cornell University)

**Funding source:** Universidad de Antioquia

**Amount granted:** \$30,000 USD **Duration:** 2020 to 2021 (12 months)

**Title:** Intervention proposal for self-care and promotion of healthy habits for prevention and control of infectious diseases in children in Bogotá D.C. Colombia

**Principal investigators:** Virginia Soto Lesmes & Arlen Gomez-Ramirez

**Co-investigators:** Olga Gómez Ramírez, Yaneth Parrado Lozano, **Javier A. Jaimes**, Patricia Hernández Rodríguez

**Funding source:** Departamento Administrativo de Ciencia, Tecnología e Innovación COLCIENCIAS, República de Colombia

**Amount granted:** \$300,000 USD **Duration:** 2012 to 2014 (36 months)

**Title:** Assessment of vaccination as a control strategy for viral diseases in poultry

**Principal investigators:** Arlen Gomez-Ramirez & **Javier A. Jaimes**

**Co-investigators:** Diego Soler-Tovar, Efrain Benavidez Ortiz, Jaime Ricardo Romero, Luis Carlos Villamil

**Funding source:** Departamento Administrativo de Ciencia, Tecnología e Innovación COLCIENCIAS, República de Colombia

**Amount granted:** \$90,000 USD **Duration:** 2011 to 2013 (24 months)

**Title:** Inhibition of Pathogen Transmission by Vaccination with Bm86 Antigen

**Principal investigators:** Alina Rodriguez-Mallon, Gerbasio Bechara & Efrain Benavidez Ortiz

**Co-investigators:** Arlen Gómez-Ramírez, **Javier A. Jaimes**, Rosangela Zacarias, Jose Luis Soto Rivas

**Funding source:** Fund ICGEB-TWAS-UNESCO Joint Programme on Capacity Building in Basic Molecular Biology

**Amount granted:** €32,000 EUR **Duration:** 2010 to 2012 (24 months)

#### NOT-FUNDED AWARDS AND RESEARCH GRANTS

**Title:** Characterization of non-infectious pseudoparticle systems expressing SARS-CoV-2 spike proteins for BSL-2 studies

**Principal investigator:** Javier A. Jaimes

**Fellowship:** IIE Centennial Fellowship program

**Funding source:** U.S. Department of State

**Amount sought:** \$25,000 USD **Year and expected duration:** 2020 (12 months)

#### PUBLISHED ARTICLES (<sup>±</sup> equals 100+ citations)

- Lubinski B<sup>#</sup>, Frazier L<sup>#</sup>, Phan MVT, Bugembe DL, Cunningham JL, Tang T, Daniel S, Cotten M, **Jaimes JA\***, Whittaker GR\*. (2022). Spike protein cleavage-activation mediated by the SARS-CoV-2 P681R mutation: a case-study from its first appearance in variant of interest (VOI) A.23.1 identified in Uganda. <sup>#</sup>Co-first authors \*Corresponding authors. *Microbiol Spectr*. 2022 Jun 29:e0151422. DOI: [10.1128/spectrum.01514-22](https://doi.org/10.1128/spectrum.01514-22)
- Vasquez V, Navas MC, **Jaimes JA**, Orozco J. (2022). SARS-CoV-2 electrochemical immunosensor based on the spike-ACE2 complex. *Anal Chim Acta*. 2022 Mar 23;1205:339718. DOI: [10.1016/j.aca.2022.339718](https://doi.org/10.1016/j.aca.2022.339718)
- Kastenhuber ER, Mercadante M, Nilsson-Payant B, Johnson JL, **Jaimes JA**, Muecksch F, Weisblum Y, Bram Y, Whittaker GR, tenOever BR, Schwartz RE, Chandar V, Cantley L. (2022). Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry. *eLife*. 2022 Mar 16;11:e77444 DOI: [10.7554/eLife.77444](https://doi.org/10.7554/eLife.77444)
- Lubinski B, Fernandes MHV, Frazier L, Tang T, Daniel S, Diel D, **Jaimes JA\***, Whittaker GR\*. (2022). Functional evaluation of the P681H mutation on the proteolytic activation of the SARS-CoV-2 variant B.1.1.7 (Alpha) spike. \*Corresponding authors. *iScience*. 2022 Jan 21;25(1):103589. DOI: [10.1016/j.isci.2021.103589](https://doi.org/10.1016/j.isci.2021.103589)<sup>±</sup>
- Straus M, Tang T, Bidon M, **Jaimes JA**, Whittaker GR, Daniel S. (2021). Inhibitors of L-type calcium channels show therapeutic potential for treating SARS-CoV-2 infections by preventing virus entry and spread. *ACS Infect Dis*. 2021 Sep 9;acsinfecdis.1c00023 DOI: [10.1021/acsinfecdis.1c00023](https://doi.org/10.1021/acsinfecdis.1c00023)
- Giraldo-Ramirez, S, Rendon-Marin S, **Jaimes JA**, Martinez-Gutierrez M, Ruiz-Saenz J. (2021). SARS-CoV-2 infection in domestic and wild cats: A systematic review. *Animals*. 2021 Jul 9;11(7), 2056. DOI: [10.3390/ani11072056](https://doi.org/10.3390/ani11072056)



7. Millet JK, **Jaimes JA**, Whittaker GR. (2020). Molecular diversity of coronavirus host cell entry receptors. (2021). *FEMS Microbiol Rev.* 2021 May 5;45(3):fuaa057. DOI: [10.1093/femsre/fuaa057](https://doi.org/10.1093/femsre/fuaa057)
8. Rendon-Marin S, Martinez-Gutierrez M, Whittaker GR, **Jaimes JA\***, Ruiz-Saenz J\*. (2021). SARS CoV-2 Spike protein *in silico* interaction with ACE2 receptors from wild and domestic species. *Front Genet.* 2021 Feb 15;12:571707. DOI: [10.3389/fgene.2021.571707](https://doi.org/10.3389/fgene.2021.571707) \*Corresponding authors
9. Tang T, **Jaimes JA**, Bidon M, Straus MR, Daniel S, Whittaker GR. (2021). Proteolytic activation of SARS-CoV-2 spike at the S1/S2 boundary: Potential role of proteases beyond furin. *ACS Infect Dis.* 2021 Feb 12;7(2):264-272. DOI: [10.1021/acinfecdis.0c00701](https://doi.org/10.1021/acinfecdis.0c00701)<sup>±</sup>
10. Stout AE, André NM, **Jaimes JA**, Millet JK, Whittaker GR. (2020). Coronaviruses in cats and other companion animals: where does SARS-CoV-2/COVID-19 fit? *Vet Micro.* 2020 Aug;247:108777. DOI: [10.1016/j.vetmic.2020.108777](https://doi.org/10.1016/j.vetmic.2020.108777)<sup>±</sup>
11. **Jaimes JA**, Millet JK, Whittaker GR. (2020). Proteolytic cleavage of the SARS-CoV-2 spike protein and the role of the novel S1/S2 site. *iScience.* 2020 May 28;23(6):101212. DOI: [10.1016/j.isci.2020.101212](https://doi.org/10.1016/j.isci.2020.101212)<sup>±</sup>
12. Bonilla-Aldana DK, Ruiz-Saenz J, Martinez-Gutierrez M, Tiwari R, Dhama K, **Jaimes JA**, Rodriguez-Morales AJ. (2020). Concerns on the Emerging Research of SARS-CoV-2 on Felines: would be them significant hosts/reservoirs? *J Pure Appl Microbiol.* 2020;14(suppl 1):703-708. DOI: [10.22207/JPAM.14.SPL1.04](https://doi.org/10.22207/JPAM.14.SPL1.04)
13. **Jaimes JA**, André NM, Chappie JS, Millet JK, Whittaker GR. (2020). Phylogenetic analysis and structural modeling of SARS-CoV-2 spike protein reveals an evolutionary distinct and proteolytically-sensitive activation loop. *J Mol Bio.* 2020 May 1;432(10):3309-3325. DOI: [10.1016/j.jmb.2020.04.009](https://doi.org/10.1016/j.jmb.2020.04.009)<sup>±</sup>
14. Tang T, Bidon M, **Jaimes JA**, Whittaker GR., Daniel S. (2020). Coronavirus membrane fusion mechanism offers as a potential target for antiviral development. *Antiviral Res.* 2020 Jun;178:104792. DOI: [10.1016/j.antiviral.2020.104792](https://doi.org/10.1016/j.antiviral.2020.104792)<sup>±</sup>
15. **Jaimes JA**, Millet JK, Stout AE, André NM, Whittaker GR. (2020). A tale of two viruses: the distinct spike glycoproteins of feline coronaviruses. *Viruses.* 2020 Jan 10;12(1):83. pii: E83. DOI: [10.3390/v12010083](https://doi.org/10.3390/v12010083)<sup>±</sup>
16. Millet JK, Tang T, Nathan L, **Jaimes JA**, Hsu H, Daniel S, and Whittaker GR. (2019). Generation of spike envelope protein pseudotyped particles based on the murine leukemia virus with luciferase reporter for studying cellular entry of highly pathogenic coronaviruses. *J Vis Exp.* 2019 Mar 1;(145):10.3791/59010. DOI: [10.3791/59010](https://doi.org/10.3791/59010)
17. **Jaimes JA**, Millet JK, Goldstein ME, Whittaker GR, Straus MR. (2019). A Fluorogenic Peptide Cleavage Assay to Screen for Proteolytic Activity: Applications for coronavirus spike protein activation. *J Vis Exp.* 2019 Jan 9;(143):e58892, DOI: [10.3791/58892](https://doi.org/10.3791/58892)
18. **Jaimes JA**, Whittaker GR. (2018). Feline coronavirus: Insights into viral pathogenesis based on the spike protein structure and function. *Virology.* 2018 Apr;517:108-121. DOI: [10.1016/j.virol.2017.12.027](https://doi.org/10.1016/j.virol.2017.12.027)
19. Santander Torres AF, Alvarez Espejo DC, **Jaimes-Olaya JA**, Gomez Ramírez AP, Villamil Jimenez LC. (2014). Design of recombinant vaccines for Gumboro, Newcastle and Avian Infectious Laryngotracheitis. *CES Medicina Veterinaria Y Zootecnia.* 9(2): 262-280 (Article in Spanish). [Full text](#)
20. Rodriguez-Mallon A, Bechara GH, Zacaria RM, Benavides-Ortiz E., Soto-Rivas JL, Gomez-Ramírez AP, **Jaimes-Olaya JA**, Estrada-Garcia MP. (2013). Inhibition of *Ehrlichia canis* and *Babesia canis* transmission among ticks fed together on dogs vaccinated with Bm86 antigen. *OJAS.* Vol. 3(3A):24-32. DOI: [10.4236/ojas.2013.33A004](https://doi.org/10.4236/ojas.2013.33A004)
21. Buritica EF, Echeverry DF, **Jaimes-Olaya JA**, Gomez AP. (2012). Integral antimicrobial control: a strategy against nosocomial infections in veterinary. *Rev Col Cien Anim.* (ISSN: 2027-1840). 5(1):107-112 (Article in Spanish). [Full text](#)
22. Alvarez Espejo DCM, **Jaimes-Olaya JA**, Jaime Correa J, Ramirez Nieto GC, Vera Alfonso VJ. (2012). Persistence of vaccine infectious bronchitis virus in a broiler farm in Colombia. *Revista Científica FCV-LUZ.* (ISSN: 0798-2259). XXII(2):120-127 (Article in Spanish). [Full text](#)
23. Soler-Tovar D, Romero-Prada JR, Villamil-Jimenez LC, Gomez-Ramirez AP, **Jaimes-Olaya JA**. (2010). Human-animal-ecosystem interface: Conceptual approach. *Una Salud Revista Sapuvet de Salud Pública.* (ISSN: 2027-8047). 1(2):13-25 (Article in Spanish). [Full text](#)
24. **Jaimes-Olaya JA**, Gómez AP, Alvarez DC, Soler D, Romero JR, Villamil LC. (2010). The infectious diseases and their importance in the poultry industry. *Rev Med Vet.* (ISSN: 0122-9354). 20:49-61 (Article in Spanish). [Full text](#)
25. Buritica Gaviria EF, Gomez AP, **Jaimes-Olaya JA**. (2009). Automated antibiogram Vitek2®: vanguard diagnosis tool for veterinarians. *Rev Investigación.* (ISSN: 1657-6772). 9(2):51-54. (Not peer reviewed) (Article in Spanish)
26. **Jaimes-Olaya JA**, Gomez AP. (2009). Probiotics: beneficial microorganisms for life. *Rev Investigación.* (ISSN: 1657-6772). 9(2):55-58. (Not peer reviewed) (Article in Spanish)
27. **Jaimes-Olaya JA**, Alvarez DC, Jaime J, Vera VJ. (2009). Key points in the presentation of the infectious bursal disease. *Rev Med Vet.* (ISSN: 0122-9354). 17:11-22 (Article in Spanish). [Full text](#)



#### MANUSCRIPTS SUBMITTED, UNDER REVIEW OR IN PREPARATION

1. Yurkovetskiy L<sup>#</sup>, Egri S<sup>#</sup>, Kurhade C<sup>#</sup>, Diaz-Salinas MA<sup>#</sup>, **Jaimes JA<sup>#</sup>**, Nyalile T, Xie X, Choudhary MC, Dauphin A, Li JZ, Munro JB, Shi PY, Shen K, Luban J. S:D614G and S:H655Y are gateway mutations that act epistatically to promote SARS-CoV-2 variant fitness. <sup>#</sup>Equal contribution. Available in *bioRxiv* DOI: [10.1101/2023.03.30.535005](https://doi.org/10.1101/2023.03.30.535005). Under review in *Cell*
2. Carten J<sup>#</sup>, Khelashvili G<sup>#</sup>, Bidon M, Straus M, Tang T, **Jaimes JA**, Weinstein H\*, Whittaker G\*, Daniel S\*. A mechanistic understanding of the modes of Ca<sup>2+</sup> ion binding to the SARS-CoV-1 fusion peptide and their role in the dynamics of host membrane penetration. <sup>#</sup>Equal contribution. \*Corresponding authors. Available in *bioRxiv* DOI: [10.1101/2022.03.03.482731](https://doi.org/10.1101/2022.03.03.482731). Under review in *ACS Infect Dis*
3. Valencia A, Delgado K, Duque-Valencia J, Carrillo M, Pallarez LM, Lucena AI, Arboleda J, **Jaimes JA**, Whittaker GW, Ruiz-Saenz J. Molecular characterization of feline coronavirus in two cities in Colombia. Submitted to *BMC Veterinary Research*
4. Stout AE, Choi A, Guarino C, Guo Q, Kennedy M, **Jaimes JA**, Wagner B, Whittaker, GR. Serosurvey of SARS-CoV-2 Infection of Healthy, Owned Cats Presenting to a New York City Animal Hospital Early in the COVID-19 Pandemic (February 2020- February 2021). Submission in preparation to *Microbiology Spectrum*
5. Lubinski B, **Jaimes JA\***, Whittaker GR\*. Intrinsic furin-mediated cleavability of the spike S1/S2 site from SARS-CoV-2 variant B.1.529 (Omicron). \*Corresponding authors. Available in *bioRxiv* DOI: [10.1101/2022.04.20.488969](https://doi.org/10.1101/2022.04.20.488969). Submission in preparation to *Journal of Virology*
6. **Jaimes JA**, Goldstein ME, Whittaker GR. Endosomal protease cathepsin B is functional activator of feline peritonitis virus in cell culture. Submission in preparation to *Pathogens*

#### EDITORIALS AND LETTERS TO THE EDITOR

1. Stout A, André N, **Jaimes JA**, Licitra B, Whittaker GR. (2021). One Medicine: A comparative approach to investigating human and animal coronavirus infections. *J Feline Med Surg*. 2021 Apr;23(4):267-268. DOI: [10.1177/1098612X21998904](https://doi.org/10.1177/1098612X21998904)

#### BOOK CHAPTERS

1. Benavides Ortiz E, Villamil Jimenez LC, Romero Prada JR, Gomez Ramirez A, **Jaimes-Olaya JA**, Alcaez Espejo D, Soler-Tovar D, Santander AF. (2018). Evaluación de los planes de vacunación contra enfermedades virales usados por avicultores del oriente de Cundinamarca: actitudes y percepciones. In: *Prácticas de investigación en torno al conocimiento*. Editor: Hno. Ariosto Ardila Silva, FSC & Gustavo Correa Assmus. Ediciones Unisalle. (ISBN: 978-958-5486-45-4). Bogota D.C., Colombia
2. **Jaimes-Olaya JA**, Triana Valenzuela JF. (2013). La formación empresarial e investigativa de los estudiantes de Medicina Veterinaria de la Universidad de La Salle. In: *Investigación y Problematicación: Ejercicios Didácticos en la Docencia Universitaria*. Colección Docencia Universitaria Vol. 5. Editor: Guillermo Londoño Orozco. Ediciones Unisalle. (ISBN: 9789588572789). Bogota D.C., Colombia

#### KEYNOTE PRESENTATIONS

Semana de la Ciencia, Tecnología, Innovación y Emprendimiento – Universidad de Ciencias Aplicadas y Ambientales UDCA

**Seminar title:** Mecanismos de infección celular del SARS-CoV-2: evolución a través de las variantes emergentes

**Place and date:** Bogota D.C., Colombia, May 20<sup>th</sup>, 2022

Faculty Day 2020 – Faculty of Veterinary Science – University of Pretoria

**Seminar title:** Coronavirus: Unveiling the viral entry pathways into the host cell

**Place and date:** Online seminar, November 20<sup>th</sup>, 2020

#### PRESENTATIONS AS INVITED SPEAKER

XI Simposio Colombiano de Virología y V Congreso Latinoamericano de Virología

**Seminar title:** Mechanisms of activation of the SARS-CoV-2 spike protein of emerging variants

**Place and date:** Online seminar. November 18<sup>th</sup>, 2021

3er Congreso Surcolombiano de Epidemiología

**Seminar title:** Tropism and mechanisms of cellular infection of SARS-CoV-2

**Place and date:** Online seminar. February 12<sup>th</sup>, 2021

IV Congreso Colombiano de Virología Clínica – ACINVIR 2020

**Seminar title:** Unveiling the molecular mechanisms of infection of SARS-CoV-2



**Place and date:** Online seminar, November 7<sup>th</sup>, 2020

Caribe Microbial Meeting – CaMM 2020

**Seminar title:** Coronavirus in humans and animals: diversity, evolution and mechanisms of infection

**Place and date:** Online seminar, October 30<sup>th</sup>, 2020

Seminario Internacional de Medicina Felina y Enfermedades Infecciosas en Pequeños Animales

**Seminar title:** Feline coronavirus: Molecular pathogenesis and current advances in diagnostics

**Place and date:** Bogotá D.C., Colombia. April 24<sup>th</sup> to 25<sup>th</sup>, 2019

Diplomado en Laboratorio Clínico y Diagnóstico Aviar - Asociación Academia Santandereana de Patología Aviar (ASPA)

**Seminar title:** Modulo: Diagnóstico y clasificación molecular de virus aviáres

**Place and date:** Bucaramanga, Colombia. March 1<sup>st</sup> to 2<sup>nd</sup>, 2013

**OTHER SEMINARS AND TALKS**

**Seminar title:** Mitos y verdades sobre el COVID-19 - Coach & Coffee with Fulbright Sessions

**Sponsor:** Comisión Fulbright Colombia

**Place and date:** Virtual panel. May 15<sup>th</sup>, 2020

**Seminar title:** Contextualizing the COVID-19: Evolution and biology of SARS-CoV-2

**Sponsor:** Asociación Colombiana de Infectología (ACIN)

**Place and date:** Online webinar. May 11<sup>th</sup>, 2020

**Seminar title:** Infected vs. Infectious: Interactions between SARS-CoV-2 and companion animals

**Sponsor:** Comunidad Andina (Andean Community)

**Place and date:** Online webinar. April 22<sup>nd</sup>, 2020

**Seminar title:** Contextualizing the COVID-19: Evolution, biology and epidemiology of SARS-CoV-2

**Sponsor:** Asociación Colombiana de Médicos Veterinarios y Zootecnistas Especialistas en Avicultura (AMEVEA)

**Place and date:** Online webinar. April 11<sup>th</sup>, 2020

**PANELS AND FORUMS**

2do Encuentro Diabetes y COVID-19

**Panleists:** Ammar Ibrahim (IDF-SACA), **Javier A. Jaimes** (Cornell University), Gabriel Lijteroff (IDF-SACA), Aracely Basurto (FUVIDA – Ecuador), Manuel Vera González (Instituto de Endocrinología – Cuba), Betsy Rodríguez (CDC)

**Sponsor:** International Diabetes Federation (IDF) – South America and Central America (SACA) region

**Place and date:** Virtual forum. January 21<sup>st</sup>, 2022

Foro Reflexiones COVID-19: Transmisión de coronavirus y animales

**Panleists:** Gloria C. Ramirez-Nieto (Universidad Nacional de Colombia), **Javier A. Jaimes** (Cornell University), Julian Ruiz-Saenz (Moderator – Universidad Cooperativa de Colombia)

**Sponsor:** Universidad Cooperativa de Colombia

**Place and date:** Virtual forum. June 11<sup>th</sup>, 2021

El papel de la Medicina Veterinaria y de la Zootecnia en las Pandemias

**Panleists:** Mario N. Benavides Fernández (Universidad San Buenaventura), **Javier A. Jaimes** (Cornell University), Alvaro Wills Franco (Universidad Nacional de Colombia), Natalia Polanco (Universidad de La Salle), Gina Polo Infante (Instituto Nacional de Salud – Colombia), Lucia Botero Espinoza (Moderator – Universidad Nacional de Colombia)

**Sponsor:** Facultad de Medicina Veterinaria y de Zootecnia, Universidad Nacional de Colombia

**Place and date:** Virtual panel. May 26<sup>th</sup>, 2021

Priorización de acceso a las vacunas para lograr la inmunidad de rebaño: Equilibrar la ética con las poblaciones en riesgo y el impulso para acelerar el lanzamiento de vacunas

**Panleists:** Natalia Acevedo (Universidad de Los Andes), Oscar Cingolani (Johns Hopkins University), Fabián F. Fay (Cibic Laboratorios), **Javier A. Jaimes** (Cornell University), Monica Levi (Sociedade Brasileira de Imunizações), Romina Libster (Fundacion Infant), Xavier Saez Llorens (Hospital del Niño Dr. José Renán Esquivel), Gustavo A. Olaiz (ENSAYO), Carlos M Perez (Universidad San Sebastian), Andrea Uboldi (Cámara de Diputados Santa Fe), Carlos Eduardo dos Santos Ferreira (Brazilian Society of Clinical Pathology)



**Sponsor:** Roche Diagnostics Advisory Community

**Place and date:** Virtual panel. April 6<sup>th</sup>, 2021

*Fulbright Impact in the Field: Global Health & COVID Reunion Panel*

**Panleists:** Serena Dasani (Brigham and Women's Hospital in Boston, MA), **Javier A. Jaimes** (Cornell University), Igor Stoma (Gomel State Medical University), Charlotte Summers (University of Cambridge), Benjamin tenOever (Mount Sinai Medical School), Imre Varju (Moderator – Semmelweis University)

**Sponsor:** The Fulbright Program, US

**Place and date:** Virtual panel. January 29<sup>th</sup>, 2021

*Perspectivas de la Interfaz Virus-Huésped en Contextos Pandémicos, Bajo el Enfoque de Una Sola Salud*

**Panleists:** Diego Soler-Tovar (Universidad de La Salle), Gerardo Nava (Universidad Autónoma de Queretano), **Javier A. Jaimes** (Cornell University), Alfonso J. Rodríguez-Morales (Universidad Tecnológica de Pereira), Gloria C. Ramirez-Nieto (Moderator – Universidad Nacional de Colombia)

**Sponsor:** Universidad Nacional de Colombia

**Place and date:** Bogotá D.C., Colombia. August 20<sup>th</sup> to 25<sup>th</sup>, 2020

*La carrera científica contra la COVID-19 en América Latina*

**Panleists:** Susana López Charretón (Universidad Nacional Autónoma de México), **Javier A. Jaimes** (Cornell University), Alexis Kalergis (Millennium Institute on Immunology and Immunotherapy, Pontificia Universidad Católica de Chile), Valeria Román (Moderator – Freelancer Scientific Journalist)

**Sponsor:** Casa de América, Spain

**Place and date:** Virtual panel. Jun 4<sup>th</sup>, 2020

*Fulbright Impact in the Field: Global Health & COVID Panel*

**Panleists:** Serena Dasani (Brigham and Women's Hospital in Boston, MA), **Javier A. Jaimes** (Cornell University), Igor Stoma (Gomel State Medical University), Charlotte Summers (University of Cambridge), Benjamin tenOever (Mount Sinai Medical School), Imre Varju (Semmelweis University), Vincent Pickett (Moderator – Fulbright Scholar Program)

**Sponsor:** The Fulbright Program, US

**Place and date:** Virtual panel. May 15<sup>th</sup>, 2020

**ORAL PRESENTATIONS AT CONFERENCES (as presenter\* or co-author)**

*36<sup>th</sup> American Society for Virology Annual Meeting*

**Jaimes-Olaya JA\***, Goldstein ME, Millet JK, Whittaker GR. *Cell culture adaptation of feline infectious peritonitis virus strain black is controlled by protease activation of its spike protein*

**Place and date:** Madison, WI. United States of America. June 24<sup>th</sup> to 28<sup>th</sup>, 2017

*XXIII Congreso Panamericano de Ciencias Veterinarias (PANVET)*

1. Gómez AP, Santander AF, Alvarez DC, **Jaimes-Olaya, JA\***. *Serological assessment of infectious bursal disease virus in layer farms in Fómeque (Cundinamarca), Colombia*

2. Alvarez DC, Santander AF, Gómez AP, **Jaimes-Olaya JA**, Soler-Tovar D, Benavides E, Romero J, Villamil LC. *Serological assessment of infectious bronchitis virus in layer farms in Fómeque (Cundinamarca), Colombia*

**Place and date:** Cartagena, Colombia. October 24<sup>th</sup> to 27<sup>th</sup>, 2012

*IV Simposio Nacional de Virología*

Alvarez DC, **Jaimes-Olaya JA**, Jaime J, Vera VJ. *Prospective assessment of infectious bronchitis virus in a broiler farm in Cundinamarca, Colombia*

**Place and date:** Medellín, Colombia. November 17<sup>th</sup> to 19<sup>th</sup>, 2011

*III Congreso Latinoamericano de Enfermedades Rickettsiales y 1er Encuentro Nacional de Enfermedades Hemorrágicas*

Ruiz A., **Jaimes-Olaya JA**, Gomez AP. *Clinical characterization of dogs suspected of hemaparasitic disease in Ibagué – Case report*

**Place and date:** Bogota D.C., Colombia. July 6<sup>th</sup> to 8<sup>th</sup>, 2011

*Simposio Nacional en Enfermedades Asociadas al Cuidado de la Salud*

Buriticá Gaviria EF, Gómez AP, **Jaimes-Olaya JA**. *Prevalence of potential nosocomial agents and identification of their antimicrobial resistance profile in veterinary operating rooms Ibagué: Research progress*

**Place and date:** Bogotá D.C., Colombia. October 23<sup>th</sup> to 24<sup>th</sup>, 2009

X Encuentro Nacional y III Internacional de Investigadores de las Ciencias Pecuarias ENICIP

1. **Jaimes-Olaya JA\***, Alvarez Espejo DC, Jaime Correa J, Vera Alfonso VJ. *Molecular characterization of three field strains of infectious bursal disease virus*
2. Alvarez Espejo DC, **Jaimes-Olaya JA**, Jaime Correa J, Vera Alfonso VJ. *Serological dynamics of infectious bronchitis virus in a broiler farm in Cundinamarca*
3. Alvarez Espejo DC, **Jaimes-Olaya JA**, Jaime Correa J, Vera Alfonso VJ. *Identification of vaccine virus type of infectious bronchitis virus in a broiler farm in Cundinamarca*
4. Peña Rivera D, Bernal Bechara L, **Jaimes-Olaya JA**, Gómez AP. *Effect of the use of prebiotic and probiotic strains on performance of broiler coming from hem breeders over 52 weeks*
5. Peña Rivera D, Bernal Bechara L, **Jaimes-Olaya JA**, Gómez AP. *Effect of the use of prebiotic and probiotic strains on microbiological and morphological parameters of broiler coming from hem breeders over 52 weeks*

**Place and date:** Medellín, Colombia. October 21<sup>th</sup> to 23<sup>th</sup>, 2009

IX Encuentro Nacional y II Internacional de Investigadores de las Ciencias Pecuarias ENICIP

**Jaimes Olaya JA\***, Vera VJ, Mossos NA. *Clinical, serological and molecular evaluation of the coinfection with Newcastle disease virus and with infectious bronchitis virus*

**Place and date:** Medellín, Colombia. November 1<sup>st</sup> to 3<sup>rd</sup>, 2007

**POSTER PRESENTATIONS AT CONFERENCES (as presenter\* or co-author)**

XVI International Nidovirus Symposium

Yurkovetskiy L, Egri S, Kurhade C, Diaz-Salinas MA, **Jaimes JA**, Nyalile T, Xie X, Choudhary MC, Dauphin A, Li JZ, Munro JB, Shi PY, Shen K, Luban J. S:D614G and S:H655Y are gateway mutations that act epistatically to promote SARS-CoV-2 variant fitness

**Place and date:** Montreux, Switzerland. May 14<sup>th</sup> to 18<sup>th</sup>, 2023

41<sup>st</sup> American Society for Virology Annual Meeting

1. **Jaimes JA\***, Lubinski B, Daniel S, Diel DG, Whittaker GR. *Mutations at the SARS-CoV-2 spike protein S1/S2 boundary in emerging variants result in altered viral entry mechanisms*
2. Lubinski B, Frazier LE, Phan MVT, Bugembe DL, Cunningham JL, Tang T, Daniel S, Cotton M, **Jaimes JA**, Whittaker GR. *Spike protein cleavage-activation in the context of the SARS-CoV-2 P681R mutation: an analysis from its first appearance in lineage A.23.1 identified in Uganda*
3. di Filippo D, Lopez-Osorio MC, Montoya-Guzman M, Urcuqui-Inchima S, **Jaimes JA**, Navas MC. *SARS-CoV-2 spike protein interaction with macrophages in presence of vitamin D*

**Place and date:** Madison, WI. United States of America. July 16<sup>th</sup> to 20<sup>th</sup>, 2022

XV International Nidovirus Symposium

Straus MR, Bidon MK, Tang T, **Jaimes JA\***, Whittaker GR, Daniel S. *Inhibitors of L-type calcium channels show therapeutic potential for treating SARS-CoV-2 infections by preventing virus entry and spread*

**Place and date:** Virtual. June 7<sup>th</sup> & 8<sup>th</sup>, 2021

The 10th Annual Harry M. Zweig Memorial Fund for Equine Research – Faculty Presentations and Poster Session

André NM, Pambianchi H, **Jaimes JA**, Goodrich E, Whittaker GR. *Equine Coronavirus – An Emerging Pathogen of Horses*

**Place and date:** Ithaca, NY. United States of America. November 14<sup>th</sup>, 2018

Cornell Institute of Host-Microbe Interactions and Disease (CIHMID) Summer Symposium

Pambianchi H, André NM., **Jaimes J**, Goodrich E, Whittaker GR. *Equine Coronavirus: An Emerging Disease in Horses*

**Place and date:** Ithaca, NY. United States of America. July 26<sup>th</sup>, 2018

37<sup>th</sup> American Society for Virology Annual Meeting

**Jaimes JA\***, Whittaker GR. *Feline coronavirus spike protein fusion function is suggested to behave in a calcium dependent manner*

**Place and date:** College Park, MD. United States of America. July 14<sup>th</sup> to 18<sup>th</sup>, 2018





XIV International Nidovirus Symposium

**Jaimes-Olaya JA\***, Goldstein ME, Millet JK, Whittaker GR. *Feline coronavirus spike protein activation by cathepsin-B is key for viral entry in cell culture*

**Place and date:** Kansas City, MO. United States of America. June 4<sup>th</sup> to 9<sup>th</sup>, 2017

13th Annual Retreat of Center for Infection and Pathobiology

**Jaimes-Olaya JA\***, Goldstein ME, Millet JK, Whittaker GR. *Exploring the role of the endosomal protease cathepsin-B in feline coronavirus spike protein activation in cell culture*

**Place and date:** Cortland, NY. United States of America. April 28<sup>th</sup> to 29<sup>th</sup>, 2017

14th Annual Ecology and Evolution of Infectious Disease Meeting

Andre NM, **Jaimes-Olaya JA**, Wingate WO, Millet JK, Whittaker, GR. *Evolution and emergence of lethal coronaviruses*

**Place and date:** Ithaca, NY. United States of America. June 3<sup>rd</sup> to 5<sup>th</sup>, 2016

International Jena Symposium of Tick-borne Diseases

Rodríguez-Mallon A, Bechara GH, Zacarias Machado R, Benavides Ortiz E, Soto Rivas JL, Gómez Ramírez AP, **Jaimes-Olaya JA**, Estrada MP. *Inhibition of Erlichia canis and Babesia canis transmission among co-feeding ticks on in dogs vaccinated with Bm86 antigen*

**Place and date:** Weimar, Germany. March 21<sup>th</sup> to 23<sup>th</sup>, 2013

2do Simposio de Experiencias Docentes de la Universidad de La Salle

**Jaimes-Olaya JA\***, Triana Valenzuela JF. *Business and research training for veterinary medicine students at Universidad de La Salle*

**Place and date:** Bogota D.C., Colombia. July 12<sup>th</sup> to 13<sup>th</sup>, 2012

1<sup>st</sup> Regional Society for Tropical Veterinary Medicine (STVM) Conference.

Rodríguez-Mallon A, Zacarias RM, Benavides Ortiz E, Gómez Ramírez AP, **Jaimes-Olaya JA**, Soto Rivas JL, Sampaio PH, Evora PM, Bechara GH. *Inhibition of Erlichia canis and Babesia canis transmission in dogs vaccinated with Bm86 antigen (GAVAC™)*

**Place and date:** Phuket, Thailand. June 18<sup>th</sup> to 21<sup>st</sup>, 2012

III Simposio Nacional de Virología

**Jaimes-Olaya JA\***, Vera VJ. *Relative and absolute quantification of infectious bursal disease virus by real-time RT – PCR in vaccinated birds*

**Place and date:** Santiago de Cali, Colombia. October 2<sup>nd</sup> to 3<sup>rd</sup>, 2008

**ACADEMIC AND SCIENTIFIC SERVICE**

REVIEWER BOARD MEMBER:

- Microorganisms (ISSN: 2076-2607) – Aug 2020 – Currently

PEER REVIEWER:

- PLOS One (ISSN: 1932-6203) – Aug 2023

- Veterinary Record (ISSN: 0042-4900) – May 2023

- ACS Omega (ISSN: 2470-1343) – Mar 2022

- Vaccines (ISSN: 2076-393X) – Mar 2022

- Journal of Virology (ISSN: 1098-5514) – Jan 2022

- Microbiology Spectrum (ISSN: 2165-0497) – Aug 2021, Nov 2022

- BMC Molecular Cell Biology (ISSN: 2661-8850) – Apr 2021

- Microorganisms (ISSN: 2076-2607) – Mar 2021

- iScience (ISSN: 2589-0042) – Nov 2020

- Travel Medicine and Infectious Disease (ISSN: 1477-8939) – Aug 2020, Dec 2021

- Frontiers in Medicine (ISSN: 2296-858X) – Aug 2020

- Viruses (ISSN: 1999-4915) – Jul 2020, Sep 2020, Apr 2021, Nov 2022

- Heliyon (ISSN: 2405-8440) – Jun 2020, Nov 2021, Apr 2022

- Scientific Reports (ISSN: 2045-2322) – Jun 2020, Sep 2020, Jan 2021, Mar 2021, Apr 2021, Aug 2021, Apr 2022, Nov 2022

- Pathogens (ISSN: 2076-0817) – Jun 2020, Apr 2023

- Infection, Genetics and Evolution (ISSN: 1567-7257) – Jun 2020, Jan 2021



- Nature Communications (ISSN: 2041-1723) – May 2020
- Virology (ISSN: 0042- 6822) – May 2020, Sep 2023
- International Journal of Environmental Research and Public Health (ISSN: 1660- 4601) – Mar 2020, Jul 2020
- Preventive Veterinary Medicine (ISSN: 0167-5877) – Sep 2019
- Poultry Science (ISSN: 0032-5791) – Nov 2015
- Revista MVZ Córdoba (ISSN: 0122-0268) – Jun 2011, Jun 2020

**GRANT REVIEWER:**

**Institution:** Ministerio de Ciencia, Tecnología e Innovación, República de Colombia

**Date:** September 2020, November 2021

**Institution:** Universidad Nacional de Colombia

**Date:** July 2020

**Institution:** Departamento Administrativo de Ciencia, Tecnología e Innovación de Colombia – COLCIENCIAS

**Date:** December 2010, March 2011, March 2012

**Institution:** Ministerio de Agricultura y Desarrollo Rural, República de Colombia

**Date:** April 2008

**MENTORING ACTIVITIES**

**THESIS ADVISORY:**

**Mentee:** Alida Carolina Valencia Gafaro

**Thesis:** Caracterización evolutiva y molecular del Coronavirus felino en el Valle de Aburrá

**Degree conferred:** Master of Science – Microbiology

**Co-Advisor:** Julian Ruiz-Saenz, DVM, MS, PhD

**Institution:** Universidad de Antioquia (Colombia), 2021

**Mentee:** Andrés Felipe Santander Torres, DVM, MS

**Thesis:** Evaluation of the activity of avian viral diseases in layer farms in Fómeque, Cundinamarca

**Degree conferred:** Master of Veterinary Sciences

**Institution:** Universidad de La Salle (Colombia), 2015

**Mentee:** Mariangela Niño Cardozo, DVM

**Thesis:** SPF Colombia S.A.S. (business plan)

**Degree conferred:** Doctor of Veterinary Medicine

**Institution:** Universidad de La Salle (Colombia), 2012

**Mentees:** Andrés Felipe Santander Torres, DVM & Camila Irene Reina Parada, DVM

**Thesis:** Detection of the exposition to equine herpesvirus type 1 y 4 in Tabio, Cundinamarca

**Degree conferred:** Doctor of Veterinary Medicine

**Institution:** Universidad de La Salle (Colombia), 2012

**Mentees:** Jenny Alexandra Castillo Pineda, DVM & Víctor Valencia Castaño, DVM

**Thesis:** Identification of porcine respiratory and reproductive syndrome (PRRS) by RT – PCR

**Degree conferred:** Doctor of Veterinary Medicine

**Institution:** Universidad de La Salle (Colombia), 2012

**Mentee:** Diego Noé Rodríguez Sánchez, DVM

**Thesis:** Feline infectious peritonitis virus: Co-relation between clinical signs and diagnosis

**Degree conferred:** Specialist in Small Animal Internal Medicine

**Institution:** Universidad de La Salle (Colombia), 2011

**Mentee:** Edwin Fernando Buriticá Gaviria, DVM, MS

**Thesis:** Prevalence of potential nosocomial agents and identification of their antimicrobial resistance profile in veterinary operating rooms of Ibagué, Colombia

**Degree conferred:** Master of Veterinary Sciences

**Institution:** Universidad de La Salle (Colombia), 2010

DISSERTATION AND THESIS COMMITTEE:

**Student:** Diana Carolina Di Filippo Villa  
**Academic program:** Doctor of Science – Microbiology  
**Advisor:** Maria Cristina Navas, PhD  
**Institution:** Universidad de Antioquia (Colombia), Currently

THESIS EVALUATIONS:

**Student:** Sebastian Giraldo Ramirez  
**Thesis:** Diversidad filoevolutiva y molecular de las variantes antigénicas cpv-2a y cpv-2b circulantes en Colombia  
**Degree conferred:** Master of Science – Microbiology  
**Advisor:** Julian Ruiz-Saenz, DVM, MS, PhD  
**Institution:** Universidad de Antioquia (Colombia), 2020

**Student:** Karen Yurany Delgado Villamizar  
**Thesis:** Seroprevalencia y evaluación molecular de coronavirus felino en Bucaramanga  
**Degree conferred:** Master of Science – Animal Health and Production  
**Advisor:** Julian Ruiz-Saenz, DVM, MS, PhD  
**Institution:** Universidad Cooperativa de Colombia, 2020

**Student:** Monica Maria Baquero Parra, DVM, MS  
**Thesis:** Expresión de los genes *omp11* y *lip132* en cepas patógenas de *Leptospira* spp. en diferentes fases del crecimiento  
**Degree conferred:** Master of Veterinary Sciences  
**Advisor:** Arlen Gomez-Ramirez, DVM, PhD  
**Institution:** Universidad de La Salle (Colombia), 2010

**TEACHING ACTIVITIES**

**Institution:** Fundación Universidad Agraria de Colombia (Colombia)

Semester	Program	Course Name	Role (% Effort)
Fall 2023	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Spring 2023	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Fall 2022	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Spring 2022	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Fall 2021	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Spring 2021	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)
Fall 2020	Specialization in Veterinary Public Health	Emerging Viral Diseases	Module (10%)
		Zoonotic Viral Diseases	Module (10%)

**Institution:** Cornell University (USA)

Semester	Program	Course Name	Role (% Effort)
Fall 2021	Veterinary Medicine	Host, Agent, and Defense (Foundation Course IV)	Tutor (100%)
Spring 2018	BS Major in Hotel Administration & Hospitality	Introduction to Wines	Teaching Assistant
Fall 2017	BS Major in Hotel Administration & Hospitality	Introduction to Wines	Teaching Assistant
Fall 2016	Veterinary Medicine	Host, Agent, and Defense (Foundation Course IV)	Teaching Assistant


**Institution: Universidad de Antioquia (Colombia)**

Semester	Program	Course Name	Role (% Effort)
Spring 2023	MS/PhD in Microbiology	General Virology	Invited lecturer
Fall 2021	MS/PhD in Microbiology	General Virology	Invited lecturer
Fall 2020	MS/PhD in Microbiology	General Virology	Invited lecturer

**Institution: Universidad El Bosque (Colombia)**

Semester	Program	Course Name	Role (% Effort)
Fall 2022	PhD in Biomedical Sciences	Research Seminar	Invited lecturer
Fall 2020	PhD in Biomedical Sciences	Research Seminar	Invited lecturer

**Institution: Cornell University (USA)**

Semester	Program	Course Name	Role (% Effort)
Spring 2018	BS Major in Hotel Administration & Hospitality	Introduction to Wines	Teaching Assistant
Fall 2017	BS Major in Hotel Administration & Hospitality	Introduction to Wines	Teaching Assistant
Fall 2016	Veterinary Medicine	Host, Agent, and Defense (Foundation Course IV)	Teaching Assistant

**Institution: Universidad de La Salle (Colombia)**

Semester	Program	Course Name	Role (% Effort)
Spring 2014	Veterinary Medicine	Virology and Prions	Lead (100%)
Fall 2013	Veterinary Medicine	Virology and Prions	Lead (100%)
Spring 2013	Veterinary Medicine	Virology and Prions	Lead (100%)
Fall 2012	Veterinary Medicine	Virology and Prions	Lead (100%)
Spring 2012	Veterinary Medicine	Virology and Prions	Lead (100%)
Fall 2011	Veterinary Medicine	Virology and Prions	Lead (100%)
Spring 2011	Veterinary Medicine	Virology and Prions	Lead (100%)
Fall 2010	Veterinary Medicine	Virology and Prions	Lead (100%)
Spring 2010	Veterinary Medicine	Virology	Lead (100%)
Fall 2009	Veterinary Medicine	Virology	Lead (100%)
Spring 2009	Veterinary Medicine	Virology	Lead (100%)
Fall 2008	Veterinary Medicine	Virology	Lead (100%)

**Institution: Universidad Nacional de Colombia (Colombia)**

Semester	Program	Course Name	Role (% Effort)
Spring 2008	Veterinary Medicine	Virology	Teaching Assistant
Fall 2007	Veterinary Medicine	Virology	Teaching Assistant
Spring 2007	Veterinary Medicine	Virology	Teaching Assistant
Fall 2006	Veterinary Medicine	Virology	Teaching Assistant
Spring 2006	Veterinary Medicine	Virology	Teaching Assistant

**NEWS MEDIA INTERVIEWS AND ARTICLES**

Date	Media	Network/Magazine	Country	Topic/Title
7/31/2023	TV News	Telemundo	USA	Aumento de casos de COVID-19, ¿a qué se debe?
3/13/2023	TV News	NTN24	USA	Lecciones aprendidas luego de 3 años desde la aparición de la COVID-19
9/20/2022	Internet News	Deutsche Welle	Germany/Global	La pandemia del coronavirus terminará, pero el virus no dejará de existir
8/5/2022	TV News	Telemundo	USA	Flu and COVID-19 vaccination



7/25/2022	TV News	Telemundo	USA	Viruela del mono – Características de la enfermedad
6/23/2022	TV News	NTN24	USA	COVID-19: Vacunación en menores de 6 meses a 5 años
6/16/2022	Radio News	El Universo	Ecuador	Vacunación contra COVID-19: ¿Necesitamos una cuarta dosis?
5/30/2022	Radio News	WQ Radio	Ecuador	Viruela del mono: ¿qué se sabe del brote que tiene preocupado al mundo?
4/22/2022	TV News	Noticias Caracol TV	Colombia	¿Qué tan viable es el confinamiento para disminuir la infección con COVID-19 en 2022?
2/8/2022	TV News	Telemundo	USA	Changes in face mask mandates in 4 U.S. states
12/29/2021	Radio News	La FM	Colombia	Riesgos de la circulación de las variantes Ómicron y Delta
12/18/2021	TV News	La Nación + Salud	Argentina	Novedades de la nueva variante Ómicron del SARS-CoV-2
12/9/2021	Internet News	El Espectador	Colombia	Ómicron: experto de la Universidad de Cornell responde todas sus preguntas
12/4/2021	Print/Internet News	El País	Spain	Ómicron: así es el “Frankenstein” del coronavirus que atemoriza al planeta
10/25/2021	Internet Magazine	Newsweek	USA	What We Know About the 'Delta Plus' AY.4.2 COVID Mutations Y145H and A222V
7/31/2021	TV News	Noticias Caracol TV	Colombia	La variante delta arrecia, obligando a las autoridades a endurecer las restricciones sanitarias.
7/30/2021	TV News	Noticias NTN24	USA	“Las vacunas existentes funcionan muy bien contra las variantes del covid-19”
7/27/2021	TV News	De qué se habla a las 7 – RTVC Noticias	Colombia	Emisión 27 de julio de 2021
7/26/2021	TV News	Sala de Prensa – Noticias Caracol	Colombia	“Era esperable”: médico virólogo ante primer caso confirmado de la variante delta en Colombia
7/2/2021	TV News	La Noche – NTN24	USA	¿Cuáles son las características de la variante Delta del COVID-19 que tiene preocupada a la comunidad médica en el mundo?
6/24/2021	TV News	Red+ Noticias	Colombia	¿Cuáles son las características de la variante Delta del coronavirus?
6/23/21	TV News	Noticias Caracol TV	Colombia	Variante Delta del COVID-19, ¿Un peligro para América Latina?
3/11/2021	Print/Internet Magazine	Revista Semana	Colombia	Tras un año de pandemia, la vacuna anticoronavirus es uno de los mayores logros de la humanidad
2/26/2021	TV News	Meganoticias	Mexico	Entrevista a Javier A. Jaimes



1/14/2021	TV News	Telefuturo	Paraguay	¿Qué se sabe de las nuevas variantes de la Covid-19? Hablamos al respecto con un profesional
1/11/2021	Internet News	Nanduti	Paraguay	“Yo veo realmente muy difícil que volvamos a la normalidad en el 2021”, advierte virólogo de la Universidad Cornell
12/21/2020	TV News	NPY	Paraguay	Vacuna contra coronavirus debería prevenir mutación
11/28/2020	TV News	Noticias Caracol TV	Colombia	Vacuna contra el coronavirus: ¿podría terminar convirtiéndose en la vacuna de la inequidad social?
11/22/2020	Radio News	Blu Radio	Colombia	Vacunas en proceso de ensayos clínicos han demostrado resultados muy prometedores: experto
12/14/2020	Internet News	Nanduti	Paraguay	Vacuna contra el Coronavirus: Doctor explica los detalles a tener en cuenta
11/10/2020	TV News	Sala de Prensa – Noticias Caracol	Colombia	¿Qué ha pasado con las vacunas rusas contra el COVID-19?
9/27/2020	TV News	Telecaribe	Colombia	Ley del Montes con Javier Jaimes, científico líder en la investigación de la vacuna contra la COVID
9/18/2020	Print/Internet Magazine	Revista Semana	Colombia	¿Qué investigan las nuevas generaciones de científicos colombianos?
8/13/2020	TV News	Telemundo	USA	Voluntaria Latina Prueba la Vacuna Experimental del COVID-19
8/17/2020	TV News	NBC NEWS Miami	USA	COVID-19 Researcher Speaks On How Our Understanding of the Virus Has Evolved
8/2/2020	Print/Internet News	El País	Colombia	"Covid-19 seguirá en el mundo, aunque llegue la vacuna": científico Javier Jaimes
7/17/2020	TV News	Telemundo	USA	Un virólogo habla del nuevo informe que asegura COVID-19 se está debilitando
7/15/2020	Radio News	La FM	Colombia	Vacuna contra coronavirus de Moderna no es la más adelantada: virólogo
7/8/2020	TV News	Noticias Caracol TV	Colombia	¿Puede el COVID-19 transmitirse por el aire? Esto responden otros expertos a la OMS
6/25/2020	TV News	Noticias Caracol TV	Colombia	Así va la incansable búsqueda de una vacuna contra COVID-19, la enfermedad que paralizó al mundo
6/21/2020	Radio News	Blu Radio	Colombia	Característica nueva hace que virus sea diferente al de 6 meses atrás: investigador colombiano
6/2/2020	Print/Internet News	Publimetro	Colombia	Entrevistas Publimetro
5/19/2020	Print/Internet News	El País	Spain	ccu cgg cgg gca The 12 letters that changed the world
5/16/2020	Radio	Caracol Radio	Colombia	Qué dicen las nuevas investigaciones sobre el Covid 19 y las mascotas



5/3/2020	Print/Internet News	El Universal	Mexico	“Están permitiendo que el virus se disemine”, experto Javier Jaimes
4/29/2020	TV News	La Ventana VIP	Colombia	Conferencia con el Doctor Javier Jaimes veterinario Virólogo en su intervención en la investigación del covid -19 en la U de Cornell
4/27/2020	Print/Internet News	El Tiempo	Colombia	El tratamiento estará antes que la vacuna del covid-19
4/26/2020	Print/Internet News	El País	Spain	El minuto cero de un “mal bicho” que cambió nuestras vidas
4/23/2020	Print/Internet News	El Nuevo Siglo	Colombia	Colombiano conforma equipo científico que lucha contra el Covid
4/21/2020	TV News	Noticias NTN24	USA	Javier Jaimes: “tratamos de mirar si algunos medicamentos tienen potencial contra el coronavirus”
4/16/2020	Print/Internet News	El Espectador	Colombia	La estabilidad genética del COVID-19 posibilita una vacuna más eficiente
4/13/2020	Print/Internet News	El Espectador	Colombia	Un virólogo explica por qué no debería inquietarse por la mutación del coronavirus
4/12/2020	Internet News	Medical News Today	USA	COVID-19 treatment: New findings may bring researchers a step closer
4/04/2020	TV News	Noticias Caracol TV	Colombia	Científicos confirman que animales no transmiten COVID-19 y explican caso registrado en Bélgica
4/03/2020	TV News	NBC NEWS Miami	USA	Up Close with One of the World's Top COVID-19 Researchers
4/1/2020	Print/Internet Magazine	The Scientist	USA	Some Coronavirus Researchers are Running Low on Masks
3/31/2020	Print/Internet News	Publimetro	Colombia	Experto en coronavirus confía que se encontrarán tratamiento terapéutico
3/30/2020	TV News	Noticias Caracol TV	Colombia	Doctor en microbiología explica que COVID-19 no fue creado en laboratorio
3/30/2020	Radio News	La FM	Colombia	Hasta 24 meses pueden durar las pruebas de vacunas contra el coronavirus: experto
3/30/2020	Print/Internet News	Publimetro	Colombia	Entrevista: Javier Jaimes el virólogo colombiano que está trabajando por la cura del COVID-19
3/30/2020	TV News	Telemundo	USA	Coronavirus: Experto revela si las mascotas pueden contagiarse del virus
3/29/2020	Print/Internet Magazine	Revista Semana	Colombia	Científicos descubren la primera secuencia genética del covid-19 en Colombia
3/29/2020	TV News	France 24	France/ Colombia	Javier Jaimes: “Estudiamos un componente especial del virus para saber por qué es tan contagioso”
3/29/2020	TV News	Noticias Caracol TV	Colombia	Medico explica que COVID-19 no fue creado en laboratorio, como aseguran conspiraciones

3/29/2020	TV News	Noticias Caracol TV	Colombia	“No existe ningún tipo de conspiración”: médico explica que COVID-19 no fue creado en laboratorio
3/27/2020	TV News	Univision	USA	El coronavirus proviene de reservorios silvestres”: experto aclara origen de la pandemia
3/26/2020	Radio News	La FM	Colombia	¿Por qué toma tanto tiempo desarrollar una vacuna del coronavirus?
3/26/2020	TV News	Sala de Prensa	Colombia	Científico colombiano busca descubrir por qué el COVID-19 se propaga tan rápido
3/25/2020	Internet News	BBC News	UK	Coronavirus: 3 científicos latinoamericanos que están a la vanguardia de la lucha contra covid-19 (y los retos que enfrentan)
3/21/2020	TV News	Red+ Noticias	Colombia	La estrategia para cortar la cadena de contagios es aislarlos”: Javier Jaimes
3/20/2020	TV News	Noticias Caracol	Colombia	Mascotas no son riesgo para transmitir el coronavirus, no las abandone
3/20/2020	Print/Internet News	Periódico Red Prensa Verde	Colombia	Un virólogo colombiano quiere desenmascarar al COVID-19
3/17/2020	Radio News	W radio	Colombia	Los resultados de las pruebas de la vacuna del coronavirus podrían demorar hasta 18 meses
3/15/2020	Print/Internet Magazine	Forbes	USA	What’s It Like To Study A Coronavirus? This Colombian Knows
3/11/2020	Radio News	W radio	Colombia	Pandemia: ¿Hay razones para preocuparse por el Coronavirus?
3/9/2020	Radio News	Blu Radio	Colombia	Vacuna contra el coronavirus tardaría de 18 meses a 2 años: investigador colombiano
3/7/2020	Print/Internet Magazine	Revista Semana	Colombia	El paciente cero del coronavirus en Colombia

**COMMUNITY ENGAGEMENT AND SOCIAL MEDIA COLLABORATIONS**

Date	Network	Channel	Country	Topic/Title
3/24/2021	Facebook/YouTube	Ciencia Café pa’ sumercé	Colombia	Evolución de los virus y su impacto en la sociedad
1/28/2021	Instagram	Anaerobias	Colombia	Conozcamos las Vacunas contra el COVID-19 ¿Cómo sabemos que son seguras?
1/21/2021	Instagram	Anaerobias	Colombia	Conozcamos las Vacunas contra el COVID-19 ¿Cómo generan inmunidad?
1/14/2021	Instagram	Anaerobias	Colombia	Conozcamos las Vacunas contra el COVID-19 ¿De que están hechas?
11/19/2020	Internet	Ruta de La Ciencia	Colombia	Cuando la ciencia se vuelve viral
4/20/2020	Internet	LATAM TECH News	USA	2020 Latin America Health Tech Leaders
4/07/2020	Internet	Cornell Chronicle	USA	Researchers seek universal treatments to impede coronavirus
3/27/2020	Internet	Excelsior Podcast	USA	SARS-CoV-2 explained by a virologist
3/9/2020	Internet	Cornell University Graduate School	USA	Alumnus/Postdoc Spotlight: Javier Jaimes, Ph.D





3/8/2020	Facebook	Ciencia Café pa' sumercé	Colombia	Todo sobre coronavirus
3/7/2020	Instagram	Anaerobias	Colombia	El Dr. Javier Jaimes habla sobre #COVID19