

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Mejia, Andres F.		POSITION TITLE Veterinary Pathologist	
eRA COMMONS USER NAME (credential, e.g., agency login) ANDRESFMEJIA			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Universidad de Antioquia	DVM	1990-1997	Veterinary Medicine
The Pennsylvania State University	MS	2004-2006	Lab Animal Medicine
The Pennsylvania state University	Residency-Postdoctoral	2004-2006	Comparative Medicine
Harvard University	Residency-Postdoctoral -Research Fellow,	2006-2010	Veterinary Pathology
American College of Lab. Animal Medicine	Diplomate, ACLAM	2009	Laboratory Animal Medicine
American College of Veterinary Pathology	Diplomate, ACVP	2018	Veterinary Pathology

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.
A. Personal Statement

As a Veterinary Pathologist at the Wisconsin National Primate Research Center, University of Wisconsin and previously at the University of Puerto Rico, Caribbean Primate Research Center; Harvard Medical School, New England Primate Research Center, and formerly as a Laboratory Animal Veterinarian at The Pennsylvania State University (Penn State) I have participated in numerous research projects as a pathologist, veterinarian and collaborator from colony pathology surveillance and diagnoses, toxicological studies, basic research projects in the areas of vaccines, HIV, SIV, opportunistic infections research, ZIKAV, artificial organs, organ transplantation, toxicology, pharmacology, immune modulation and neuropathology among others. Moreover, I was the Comparative Medicine and pathology Unit Director at the Caribbean Primate Research Center. Additionally, I have conducted and executed my own research in Human Papillomavirus where we develop a unique animal model for to test HPV vaccines and to standardize the rabbit animal model method of challenge. My responsibility at the University of Wisconsin, Wisconsin National Primate Research Center is to assess the health status of the colony, development the Veterinary Pathology division within the WNPRC and develop collaborative research projects at different scientific disciplines Infectious disease included: ZIKA, HIV/SIV, Listeria, Sars-Cov-2 and Pegivirus; neuropathology including: traumatic spinal cord injury, and Parkinson’s; teaching Veterinary Pathology and Laboratory Animal Medicine and develop my own research in infectious and non-infectious diseases models of human conditions. With the Veterinary Pathology and Laboratory Animal Medicine, Diplomate of the American College of laboratory animal Medicine (DACLAM) and American College of Veterinary Pathology (DACVP) , training and knowledge, Dr. Mejia bring an unique strength the UW, Wisconsin National Primate Research Center, Veterinary Medicine and Pathology Divisions and collaborative researchers improving the quality of the diagnostics and research results.

B. Education

Universidad de Antioquia	DVM	1990-1997	Veterinary Medicine
The Pennsylvania State University	MS	2004-2006	Lab Animal Medicine
The Pennsylvania state University	Residency- Postdoctoral	2004-2006	Comparative Medicine
Harvard University	Residency- Postdoctoral -Research Fellow	2006-2010	Veterinary Pathology

B. Positions and Honors.

Professional Experience

- 1993-1994 Teaching/Microbiology Assistant, University of Antioquia, Medellin, Colombia
- 1995-1997 Research Investigator, University of Antioquia, Medellin, Colombia
- 1997-1998 Corporate Educator, Solla Corporation, Bello, Colombia
- 1997-1998 Veterinarian, Private Veterinary Office, Barbosa, Colombia
- 2000-2004 Adjunct Professor, Quincy College, Quincy, Massachusetts
- 2003-2004 Animal Laboratory Technologist, Charles River Laboratories, Wilmington, Massachusetts
- 2004-2006 Postdoctoral Scholar/Resident, Pennsylvania State University, Hershey, Pennsylvania
- 2006-2010 Postdoctoral/ Pathology Residency/Research Fellow, New England Primate Research Center, Harvard Medical School
- 2010-2011 Director- Comparative Medicine and Pathology Unit-Caribbean Primate Research Center, Veterinary Pathologist/Adjunct Professor, Caribbean Primate Research Center, University of Puerto Rico
- 2011-present Veterinary Pathologist-Pathology Unit, Wisconsin National Primate Research Center, University of Wisconsin-Madison

Other Experience and Professional Memberships

- 2004- present American Association for Laboratory Animal Sciences (AALAS), member
- 2006-present New England Branch of AALAS (NEBAALAS), member
- 2006-present American Association for the Advancement of Science (AAAS), member
- 2008-present Latin Comparative Pathology Group (LCPG), executive member
- 2006-present CI Davis Foundation, contact member for Puerto Rico
- 2004-present American Society of Laboratory Animal Practitioners (ASLAP)
- 2010-present Puerto Rican Pathology Academy
- 2009-present American College of Laboratory Animal Medicine (ACLAM), diplomate and member
- 2010-present Association of Primate Veterinarians

Honors and Awards

- 2005 Academic Excellence Achievement Award, Pennsylvania State University
- 2006-2010 Institutional Training Awards, Postdoctoral Program for Veterinarians (T32) RR007000

C. Selected peer-reviewed publications (in chronological order).

<https://www.ncbi.nlm.nih.gov/myncbi/10emdptnyuAw/bibliography/public/>

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Koenig MR, Razo E, Mitzey A, Newman CM, Dudley DM, Breitbach ME, Semler MR, Stewart LM, Weiler AM, Rybarczyk S, Bach KM, Mohns MS, Simmons HA, Mejia A, Fritsch M, Dennis M, Teixeira LBC, Schotzko ML, Nork TM, Rasmussen CA, Katz A, Nair V, Hou J, Hartman A, Ver Hoeve J, Kim C, Schneider ML, Ausderau K, Kohn S, Jaeger AS, Aliota MT, Hayes JM, Schultz-Darken N, Eickhoff J, Antony KM, Noguchi K, Zeng X, Permar S, Prabhakaran V, Capuano S 3rd, Friedrich TC, Golos TG, O'Connor DH, Mohr EL. Quantitative definition of neurobehavior, vision, hearing and brain volumes in macaques congenitally exposed to Zika virus. *PLoS One.* 2020;15(10):e0235877. doi: 10.1371/journal.pone.0235877. eCollection 2020. PubMed PMID: 33091010; PubMed Central PMCID: PMC7580995.

Heffron AS, Lauck M, Somsen ED, Townsend EC, Bailey AL, Sosa M, Eickhoff J, Capuano Iii S, Newman CM, Kuhn JH, Mejia A, Simmons HA, O'Connor DH. Discovery of a Novel Simian Pegivirus in Common Marmosets (*Callithrix jacchus*) with Lymphocytic Enterocolitis. *Microorganisms.* 2020 Sep 30;8(10). doi: 10.3390/microorganisms8101509. PubMed PMID: 33007921; PubMed Central PMCID: PMC7599636.

Nguyen SM, Wiepz GJ, Schotzko M, Simmons HA, Mejia A, Ludwig KD, Zhu A, Brunner K, Hernando D, Reeder SB, Wieben O, Johnson K, Shah D, Golos TG. Impact of ferumoxytol magnetic resonance imaging on the rhesus macaque maternal-fetal interface†. *Biol Reprod.* 2020 Feb 14;102(2):434-444. doi: 10.1093/biolre/ioz181. PubMed PMID: 31511859; PubMed Central PMCID: PMC7016288.

Metzger JM, Matsoff HN, Zinnen AD, Fleddermann RA, Bondarenko V, Simmons HA, Mejia A, Moore CF, Emborg ME. Post mortem evaluation of inflammation, oxidative stress, and PPAR γ activation in a nonhuman primate model of cardiac sympathetic neurodegeneration. *PLoS One.* 2020;15(1):e0226999. doi: 10.1371/journal.pone.0226999. eCollection 2020. PubMed PMID: 31910209; PubMed Central PMCID: PMC6946159.

Robbiani DF, Olsen PC, Costa F, Wang Q, Oliveira TY, Nery N Jr, Aromolaran A, do Rosário MS, Sacramento GA, Cruz JS, Khouri R, Wunder EA Jr, Mattos A, de Paula Freitas B, Sarno M, Archanjo G, Daltro D, Carvalho GBS, Pimentel K, de Siqueira IC, de Almeida JRM, Henriques DF, Lima JA, Vasconcelos PFC, Schaefer-Babajew D, Azzopardi SA, Bozzacco L, Gazumyan A, Belfort R Jr, Alcântara AP, Carvalho G, Moreira L, Araujo K, Reis MG, Keesler RI, Coffey LL, Tisoncik-Go J, Gale M Jr, Rajagopal L, Adams Waldorf KM, Dudley DM, Simmons HA, Mejia A, O'Connor DH, Steinbach RJ, Haese N, Smith J, Lewis A, Colgin L, Roberts V, Frias A, Kelleher M, Hirsch A, Strelow DN, Rice CM, MacDonald MR, de Almeida ARP, Van Rompay KKA, Ko AI, Nussenzweig MC. Risk of Zika microcephaly correlates with features of maternal antibodies. *J Exp Med.* 2019 Oct 7;216(10):2302-

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Nguyen SM, Wiepz GJ, Schotzko M, Simmons HA, Mejia A, Ludwig KD, Zhu A, Brunner K, Hernando D, Reeder SB, Wieben O, Johnson K, Shah D, Golos TG. Impact of Ferumoxytol Magnetic Resonance Imaging on the Rhesus Macaque Maternal-Fetal Interface. *Biol Reprod.* 2019 Sep 12;. doi: 10.1093/biolre/ioz181. [Epub ahead of print] PubMed PMID: 31511859.

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Elizabeth A. Falendysz¹, Juan G. Lopera², Jeffrey B. Doty³, Yoshinori Nakazawa³, Colleen Crill¹, Faye Lorenzsonn², Lem's N. Kalemba⁴, Monica Ronderos², Andres Mejia⁵, Jean M. Malekani⁴, Kevin Karem³, Darin S. Carroll³, Jorge E. Osorio², Tonie E. Rocke¹. Characterization of Monkeypox virus infection in African rope squirrels (*Funisciurus* sp.). *PLoS Negl Trop Dis*. 2017 Aug 21;11(8):e0005809. doi: 10.1371/journal.pntd.0005809. eCollection 2017 Aug.

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Maldonado JG, Mejía AF, Giraldo S, Ossa JE. Lymphocyte immunization in swine reproduction III: Intrauterine immunization increases weight of the litter at birth. Poster presented at the XX National Congress of Veterinary Medicine. Santa Marta, October 9-12,1996.