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Curriculum Vitae

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Education

Year	Degree	Field	Institution
1984	BSC	Biology	University Simón Bolívar, Venezuela
1986	MSc	Animal Nutrition	University of Aberdeen, Scotland
1990	PhD	Microbiology	University of Aberdeen, Scotland

Postdoctoral Training

1993-4	Post-Doctoral fellow, EU Marie Curie Scholarship, Institute National de la Recherche Agronomique, France, and Rowett Research Institute, Scotland.
1997-8	Ramon y Cajal Postdoctoral Fellow, Centro de Biología Molecular Severo Ochoa, University Autonoma of Madrid, Spain.

Academic Appointments

1990-1993	Resident Researcher, Venezuelan Institute of Scientific Research (IVIC), Caracas, VZ.
1993-2000	Associate Professor/Researcher, Venezuelan Institute of Scientific Research (IVIC).
2000-2003	Professor/Researcher, Venezuelan Institute of Scientific Research (IVIC).
2003-2011	Associate Professor, Department of Biology, University of Puerto Rico, Rio Piedras.
2012-2014	Professor, Department of Biology, University of Puerto Rico, Rio Piedras (leave of absence, Aug 2012-July 2014).
2012-2017	Associate Professor, New York University School of Medicine, New York, NY.
2018-present	Henry Rutgers Professor of Microbiome and Health, Rutgers University, New Brunswick, NJ.
2018-Present	Interim Director, Institute for Food Nutrition and Health (IFNH), Rutgers University, New Brunswick, NJ.

Other Professional Positions and Visiting Appointments

1990	Visiting Scientist, Institut National de la Recherche Agronomique, Centre de Clermont-Ferrand, Theix, France.
1991	Visiting Scientist, Department of Animal Sciences, Purdue University, West Lafayette IN.
1996	Visiting Scientist, Bailey Hortorium, Cornell University, Ithaca NY.
2000-2001	Visiting scientist, Duke Marine Laboratory, Duke University, Beaufort NC.
2009	Visiting Professor, University of Cagliari, Sardinia, Italy.
2013-2014	Visiting Researcher, Venezuelan Institute of Scientific Research (IVIC), Caracas, VZ.
2013-2014	Visiting Researcher, Department of Biology, University of Puerto Rico, Rio Piedras.
2016-present	Visiting Researcher, Department of Anthropology, New York University.
2017	Visiting Professor, Rutgers University, New Brunswick.

Awards and Honors

1985	Gran Mariscal de Ayacucho Foundation Graduate fellowship, University Central de Venezuela.
1985-1986	British Council Graduate fellowship, University of Aberdeen, Scotland.
1986-1989	Foreign and Commonwealth Office Graduate fellowship. University of Aberdeen, Scotland.
1990-1991	Fellowship for Resident Researcher, CONICIT, Venezuela.

1990-2004 Program for Research Promotion, CONICIT, Venezuela.
 1993 Marie Curie Post-Doctoral Fellowship, European Community. Rowett Res. Inst., Scotland and INRA Theix, France.
 1993 Roi Baudouin Award, International Foundation for Science, Sweden.
 1997-1998 Spanish Ministry of Education and Science, CSIC postdoctoral fellowship. Center of Molecular Biology Severo Ochoa, University Autonoma of Madrid, Spain.
 2002 Medal of Merit, Venezuelan Institute of Scientific Research (IVIC), Venezuela.
 2008 Fellow, Infectious Diseases Society of America (FIDSA).
 2008-2011 American Society for Microbiology Ambassador for the Central American and Caribbean region.
 2013 Fellow, American Academy of Microbiology (AAM).
 2015 Arturo Carrion Award, Puerto Rico Society of Microbiology
 2018- American Society for Microbiology Council on Microbial Sciences (COMS), Division Interdisciplinary Councilor
 2018- Executive Board Member, Center for Human Evolutionary Studies (CHES), Rutgers University

University, National, International Committee Assignments

1994-1997 Graduate Studies in Physiology and Biophysics, Vice-coordinator, Venezuelan Institute of Scientific Research (IVIC), Venezuela.
 1994-present Scientific Advisor, International Foundation for Science, Sweden.
 1995-2000 Member of the Institutional Committee of Human Rights, IVIC.
 1996-2000 Orinoquia Research Prize, Jury, Venezuela.
 1998-2000 Member, Committee for Academic Promotions, IVIC
 1998-2000 Member, Housing Committee, IVIC.
 1998-2000 Member, Personnel Committee, IVIC.
 1998-2009 Member, International Advisory Committee, International Symposium on the Nutrition of Herbivores.
 1999-2002 Member, Latin American Network for Research in Bioactive Natural Compounds
 1999-2000 Member of Directive of the Association of Researchers, IVIC.
 2000 Expert Referee, Alban Program, European Union.
 2002 Member, Jury for the "Francisco de Venanzi" Prize for outstanding research career, Central University, Venezuela
 2004-2014 Research Fellow, Molecular, Ecology, Evolution and Genetics, Center for Applied Ecology and Conservation, University of Puerto Rico (UPR).
 2005-2007 Member, Graduate Committee, Program of Graduate studies in Biology, UPR.
 2007-2009 Member, Committee on Academic Affairs, UPR.
 2008-2010 Member, Recruitment committee,, Department of Biology, UPR.
 2008-2009 Member, Biology Graduate Program Committee, Department of Biology, UPR
 2009-2010 Spanish translation network, MicrobeWorld Podcasts, American Society for Microbiology
 2009-2010 Member, Academic Issues Committee, Department of Biology, UPR.
 2010- 2012 Member, Personnel Committee, Department of Biology, UPR.
 2011- 2012 Secretary, Faculty of Sciences Personnel Committee, UPR.
 2010- present Member, Scientific Committee, PhD School in Biology and Biochemistry of Man and the Environment, University of Cagliari, Sardinia, Italy
 2013-2016 Member, AAM-EMD Millipore Alice C. Evans Award Nominations Committee
 2013-present Reviewer, Institute of Medicine Workshop Reports and Summaries.
 2012-present Collaborator, American Gut Project, the world's largest open-source, community driven effort to characterize the microbial diversity of humans.
 2013-present Scientific Advisory Board Human Microbiome Exhibition. EdenProject, UK.
 2013-present Collaborating Faculty NYU School of Medicine International Health Program (research projects: Latin America).
 2014-2015 NSF Peer Review panel

- 2014-present Scientific Advisory Board, The American Microbiome Institute.
- 2015 Member, External Scientific Advisory Committee for NIH U19, U Washington
- 2015-2018 Faculty Member, Sackler Institute, NYU School of Medicine
- 2016-present Co-Founder and Scientific Advisory Board Member of CommenSe, Inc., Boston MA
- 2016-present Faculty Mentoring Committee for Kelly Ruggles, NYU School of Medicine
- 2018-present Member of the Research Oversight Committee, Childhood Asthma and the Microbiome- Precision Health for Life: The Canadian Healthy Infant Longitudinal Development (CHILD) Study. University of British Columbia, Vancouver, Canada.
- 2018-present Member of the Nominating Committee, Microbial Biology Graduate Program Department of Biochemistry and Microbiology, Rutgers University.
- 2018-present Member of the Appointments and Promotions Committee, School of Environmental and Biological Sciences and New Jersey Agricultural Experiment Station, Rutgers Progra University.

Memberships and Committee Assignments in Professional Societies

- 2011 Member, International Society for Microbial Ecology (ISME)
- 2004 Member, American Society for Microbiology (ASM)
- 2004-08 Member, Research Committee, Infectious Disease Society of America.
- 2013-2016 Member, AAM - EMD Millipore Alice C. Evans Award Nominations Committee
- 2016-present Member, American Academy of Microbiology (AAM) Committee on Elections
- 2016-present Member, American Association for the Advancement of Science (AAAS)
- 2016-present Member, American Anthropological Association (AAA)
- 2017-present Member, International Society for Developmental Origins of Health and Disease (DOHaD)
- 2017 Member of the organizing Committee, National Academies of Sciences, Engineering, and Medicine, Forum on Microbial Threats workshop “Urbanization and Slums: New Transmission Pathways of Infectious Diseases in the Built Environment,”
- 2018-2021 Councilor, Division Interdisciplinary, ASM Council on Microbial Sciences (COMS).

Editorial Positions

- 2007-2015 Associate Editor, *Livestock Science*
- 2011-2014 Associate Editor, *Microbial Ecology*
- 2013-2015 Associate Editor, *Frontiers in Microbiology*
- 2013-2015 Associate Editor, *Microbes and Infection*
- 2014-present Associate Editor, *mBio*
- 2015-present Associate Editor, *Scientific Reports*

Ad Hoc Reviewer

American Journal of Tropical Medicine and Hygiene; Applied and Environmental Microbiology; Archives of Medical Research; Biology Letters; BMC Genomics; BMC Ecology; British Journal of Nutrition; Cancer Research; Clinical Diagnostic and Laboratory Immunology; Expert Review of Molecular Diagnostics; FASEB Journal; FEMS Microbial Ecology; Frontiers Microbiology, Infection, Genetics and Evolution, Helicobacter; Interciencia; ISME Journal; Journal of Agriculture and Food Chemistry; Journal of Clinical Microbiology; Journal of Comparative Physiology B; Journal of Medical Microbiology; Journal of Pediatric Gastroenterology and Nutrition; Livestock Science; MBio; Microbes and Infection; Nature; Nature Communications; Neonatology; Pathogens and Global Health; Physiological and Biochemical Zoology; PLoS Pathogens; PLoS-One, Reproductive Science, Science Advances, Science Translational Medicine, The Auk, Yearbook of Physical Anthropology

Grant Proposals Reviewer

Alban Program, European Union; Genesis Oncology Trust, New Zealand; International Foundation for Science, Sweden; National Fund for Science and Technology, Venezuela; Center for International Agriculture, Switzerland; National Science Foundation, Switzerland; Wellcome Trust, UK; National Agency for Research and Innovation (ANII), Uruguay; National Science Foundation, USA.

Major Research Interests

The human microbiome and impact of urbanization; microbiome development and evolution; microbial ecology.

Personal Statement

My research has been centered on the development of the human microbiome and impact of urbanization, characterizing changes in lifestyles and practices and their impact on the microbiota of the gut and epithelial tissues at the interface with the environment. We explore complex biological interactions with an interdisciplinary approach integrating the fields of immunology, pediatrics, nutrition, anthropology, environmental engineering and architecture/urban studies, into microbial ecology, to understand associations with human diseases that emerge with urbanization. We focus on the microbiome development from birth, functions for the host, impact by practices that reduce microbial transmission or disrupt the microbiota, and strategies for restoration.

Bibliography

Original Reports

1. Michelangeli F, Ruiz M, Dominguez MG, Parthe V. Mammalian-like differentiation of gastric cells in the shark *Hexanchus griseus*. **Cell and Tissue Research**. 1988. 251:225-227.
2. Grajal A, Strahl SD, Parra R, Dominguez MG, Neher A. Foregut fermentation in the Hoatzin, a neotropical leaf-eating bird. **Science**. 1989. 245:1236-1238. PMID 17747887
3. Dominguez-Bello MG, Stewart CS. Degradation of 3-(OH)-4(1)H pyridone from the rumen of sheep in Venezuela. **FEMS Microbial Ecology**. 1990. 73:283-290.
4. Dominguez-Bello MG, Stewart CS. Effects of feeding *Canavalia ensiformis* on the rumen flora of sheep, and of the toxic amino acid canavanine on rumen bacteria. **Systematic and Applied Microbiology**. 1990. 13:388-393.
5. Dominguez-Bello MG, Stewart CS. Characteristics of a rumen Clostridium capable of degrading mimosine, 3 hydroxy 4(1H)pyridine and 2,3 dihydroxypyridone. **Systematic and Applied Microbiology**. 1991. 14:67-71.
6. Dominguez-Bello MG, Robinson MD. A comparative study of nutritional adaptations in two Cricetid rodents. **Physiological Zoology**. 1991. 64:1542-1551.
7. Sevcik C, Brito JC, D'Suze G, Mijares AJ, Dominguez MG. Estudio sobre toxicología del Síndrome Parapléjico de los bovinos. **Acta Científica Venezolana**. 1993. 44:131-142.
8. Dominguez-Bello MG, Lovera M, Suárez P, Michelangeli F. Microbial digestive symbionts of the crop of the hoatzin (*Opisthocomus hoazin*): the only foregut fermenter avian. **Physiological Zoology**. 1993. 66:374-383.
9. Dominguez-Bello MG, Jouany JP, Chemello ME, Michelangeli F. Cytotoxicity of some plant secondary compounds and their effect on rumen fermentation. **Journal of Agricultural and Food Chemistry**. 1993. 41: 2045-2050.
10. Dominguez-Bello MG, Michelangeli F, Ruiz MC. Evolutionary significance of foregut fermentation in the hoatzin (*Opisthocomus hoazin*, Aves, Opisthocomidae). **Journal of Comparative Physiology Series B**. 1993. 163: 594-601.
11. Sevcik C, Brito JC, D'Suze G, Dominguez-Bello MG, Lovera M, Mijares A, Bonoli, E. Toxinology of bovine paraplegic syndrome. **Toxicon**. 1993;31(12):1581-1594. PMID: 8146871

12. Dominguez-Bello, M.G., Lovera, M. Sevcik, C. Brito, J.C. Characterization of ruminal bacteria producing a toxin associated with a bovine paraplegic syndrome. **Toxicon**. **1993**:31(12):1595-1600. PMID: 8146872
13. Yurman D, Dominguez-Bello MG. Bacterial inhabitants of the gut of Neotropical Cephalotini ants. **Folia Microbiologica**. **1993**. 38: 515-518.
14. Dominguez-Bello MG, Michelangeli F, Ruiz MC, García A, Rodríguez E. Ecological aspects of the folivorous avian hoatzin (*Opisthocomus hoazin*) in the Venezuelan plains. **The Auk**. **1994**. 111: 643-651.
15. Ruiz MC, Dominguez-Bello MG, Michelangeli F. Gastric lysozyme in the hoatzin (*Opisthocomus hoazin*), an avian folivore. **Experientia**. **1994**. 50: 499-501.
16. Borges P, Herrera E, Dominguez-Bello MG. Digestive physiology of wild capybara. **Journal of Comparative Physiology Series B**. **1996**. 165:166:55-60.
17. Dominguez-Bello MG. Detoxification in the rumen. **Annals de Zootechnie**. **1996**. 45:323-327.
18. Dominguez-Bello MG, Escobar A. Manipulation of gut bacteria for the improved utilization of tropical forages. **Animal Feed Science and Technology**. **1997**. 69:91-102.
19. Dominguez-Bello MG, Michelangeli F, Romero R, Beker B, Lara D. Morera C, Vezga MA, Spardella E, Guelrud M, Pérez ME, Pericchi LR. Modification of Christensen urease test as an inexpensive tool for detection of *Helicobacter pylori*. **Diagnostic Microbiology & Infectious Disease**. **1997**:28(3):149-152. PMID: 9294705
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- patients. **Diagnostic microbiology & infectious disease**. 2001;39(4):207-210. PMID: 11404061
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 35. García MA, Gueneau P, Michelangeli F, Dominguez-Bello MG. Rate of detoxification of Quillaja saponins by crop bacteria from *Opisthocomus hoazin* is increased in the presence of methanogenic bacteria. **Tropical and Subtropical Agroecosystems**. 2003; 3:595-598.
 36. Pacheco MA, Garcia-Amado MA, Bosque C, Dominguez- Bello MG. Bacteria in the crop of the seed-eating green-rumped parrotlet. **Condor**. 2004;106(1):139-143. DOI: 10.1650/7406
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 39. García-Amado MA, del Castillo JR, Perez ME, Dominguez-Bello MG. Intestinal D-glucose and L-alanine transport in the Japanese Quail (*Coturnix coturnix*). **Poultry Science**. 2005;84(6):947-950. PMID: 15971535
 40. Ghose C, Perez-Perez G, van Doorn LJ, Dominguez-Bello MG, Blaser MJ. High frequency of gastric colonization with multiple *Helicobacter pylori* strains in Venezuelan subjects. **Journal of clinical microbiology**. 2005;43(6):2635-2641. DOI: 10.1128/JCM.43.6.2635-2641.2005
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 42. García-Amado, MA, Michelangeli F, Gueneau P, Perez ME, Dominguez-Bello MG. Bacterial detoxification of saponins in the crop of the avian foregut fermenter *Opisthocomus hoazin*. **Journal of Animal & Feed Sciences**. 2007;16:82-85.
 43. Pacheco MA, Concepcion JA, Rosales Rangel JD, Ruiz MC, Michelangeli F, Dominguez-Bello MG. Stomach lysozymes of the three-toed sloth (*Bradypus variegatus*), an arboreal folivore from the Neotropics. **Comparative Biochemistry & Physiology. Pt. A**. 2007;147(3):808-819. DOI: 10.1016/j.cbpa.2006.07.010
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- intestinal parasites are not detrimental to the nutritional status of Amerindians. **American Journal of Tropical Medicine & Hygiene**. 2007;76(3):534-540. PMID: 17360880
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111. Dominguez-Bello MG, Knight R, Gilbert JA, Blaser MJ. Restoring microbial diversity, an ancestral legacy for future generations. **Science** 2018 362 (6410): 33-34
112. Mueller NT, Noya-Alarcon O, Contreras M, Appel LJ, Dominguez-Bello MG. Blood Pressure Across the Lifespan in Isolated Yanomami and Yekwana Tribes: Evidence that Westernization rather than Aging Matters. **JAMA Cardiology** 2018 (Accepted)
113. Dominguez-Bello MG. Effects of C-section on the human microbiota" for publication in the **American Journal of Human Biology** 2018 doi: 10.3389/fmicb.2018.02533 (accepted)
114. Godoy-Vitorino, F., Romaguera, J.E., Zhao, C., Vargas-Robles, D., Ortiz-Morales, G., Vázquez-Sánchez, F., Sanchez-Vázquez M, de la Garza-Casillas M, Martinez-Ferrer M, White JR, Bittinger K, Dominguez-Bello MG and Blaser MJ (2018). Cervicovaginal fungi and bacteria associated with cervical intraepithelial neoplasia and high-risk Human Papillomavirus infections in a Hispanic population. **Frontiers in Microbiology** 2018, 9(2533), doi: 10.3389/fmicb.2018.02533
115. Dominguez-Bello, MG. Effects of C-section on the human microbiota. **Am J Human Biol** 2018 (*in press*)
116. Combellick JL, Shin H, Shin D, Cai Y, Hagan H, Lacher C, Lin DL, McCauley K, Lynch S, Dominguez-Bello MG. Differences in the fecal microbiota of neonates born at home or in the hospital. **Sci Reports** 2018 (*in press*)
117. Pebenito A, Nazzal L, Wang C, Li H, Jay M, Noya-Alarcon O, Contreras M, Lander O, Leach J, Dominguez-Bello MG, and Blaser MJ. Comparative prevalence of Oxalobacter formigenes in three human populations." **Sci Reports** 2018 (*accepted*)

Invited Chapters

118. Dominguez-Bello MG, Pacheco A. Host-Microbe interactions in the GI tract: influence of indigenous bacteria on the physiology of herbivores. **Proceedings VI International Symposium on the Nutrition of Herbivores**. Editors: L. Mannelje, L. Ramírez-Avilés, C. Sandoval-Castro y J. C. Ku-Vera. pp91-97. ISBN: 970-698-043-1. ISSN:1159-554X, 2003.
119. Marini E, Racugno W, Hidalgo G, Dominguez-Bello MG, Pericchi LR, Buffa R, Succa V, Floris G. Caratteristiche antropologiche di popolazioni amazzoniche. Un progetto di collaborazione scientifico-formativa tra Cagliari e Venezuela. **Rendiconti Seminario Fac. Scienze Univ. Cagliari**. pp 239-244, 2003.
120. Dominguez-Bello MG. How do changes in microecology affect the human host. In: Ending the War Metaphor: The Future Agenda for Unraveling the Host-Microbe Relationship. Chapter 3. **Institute of Medicine of the National Academy of Sciences**. The National Academies Press, Washington, pp 140-158, 2006.
121. Dominguez-Bello MG, Blaser MJ. Evolution of *H. pylori* and *H. pylori* infections. In: **Evolutionary Biology of Bacterial and Fungal Pathogens**. Chapter 37. G. Cassell, F. Baquero, C. Nombela and J.A. Gutiérrez Editors, ASM Press. pp 445-455, 2006.
122. Godoy-Vitorino F, Dominguez-Bello MG. The Development of the Infant Microbiome. In: Nelson K. (Ed.) **Encyclopedia of Metagenomics**. SpringerReference (www.springerreference.com). Springer-Verlag Berlin Heidelberg. pp 1-7, 2012.

Letters

123. Dominguez-Bello, M G; Reyes, N; Teppa-Garran, A; Romero, R. Interference of Pseudomonas strains in the identification of Helicobacter pylori. **Journal of Clinical Microbiology**. 2000: 38(2):937-937. PMID: 10722321
124. Dominguez-Bello MG, Blaser MJ. Are iron-scavenging parasites protective against malaria? **Journal of infectious diseases**. 2005:191(4):646-646. DOI: 10.1086/426946
125. Dominguez-Bello MG, Costello EK, and Knight R. Reply to Putignani et al: The vagina as a major source of natural inoculum for the newborn. **Proceedings of the National Academy of Sciences of the United States of America (PNAS)**. 2010:107(42):E160-E160. DOI: 10.1073/pnas.1012458107
126. Blaser, MJ; Dominguez-Bello MG. Maternal antibiotic use and risk of asthma in offspring. **Lancet. Respiratory medicine**. 2(10): 1299122, 2014
127. Clemente JC, Dominguez-Bello MG. Safety of vaginal microbial transfer in infants delivered by caesarean, and expected health outcomes. **British medical journal. BMJ (Clinical research ed.)**. 2016: 352:i1707-i1707. DOI: 10.1136/bmj.i1707
128. Dominguez-Bello MG, Blaser MJ. Asthma: Undoing millions of years of coevolution in early life? **Science Translational Medicine**. 2015:7(307):307fs39-307fs39. DOI: 10.1126/scitranslmed.aad2741
129. Dominguez-Bello MG, Martinez II, K. Response to Torgerson eLetter, Increased weight gain by C-section: Functional significance of the primordial microbiome. **Science Advances**. 2018: 3:eaao1874. DOI: 10.1126/sciadv.aao1874

List of Published Work Dominguez-Bello MG

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Dominguez-Bello+MG%5Bau%5D>

<https://scholar.google.com/citations?user=uFZJ02IAAAAJ&hl=en&oi=ao>

Ongoing Research Support

Juvenile Diabetes Research Foundation (JDRF) Dominguez-Bello (PI) 12/01/16 – 12/01/19
Strategic Research Agreement (SRA): **C-section-like microbiota and alterations of immune responses.**

The major goal of this study is to determine the effect of C-section perturbations on the microbiota and the risks of T1D, using the NOD mouse model.

C&D Research Fund Dominguez-Bello (PI) 05/01/13 – 00/00/00

The ancestral and the early microbiome

Westernization leads to reduction of microbiota diversity and to increased risks of diseases related to immune malfunction such as T1D, celiac disease, autism, allergies, asthma, and obesity. There is evidence that microbial factors are associated with these diseases. This project will assess the magnitude of microbial losses in the human microbiome associated with Westernization, and assess restoration modalities.

Collaborative Agreement with PureTech Inc. S Hourigan (PI) 11/15/2018– 11/14/2023

Vaginal Microbiome Seeding and Health Outcomes in Cesarean-Delivered Neonates: A Randomized Controlled Trial. Role= Co-PI

The early microbiota is thought to be important in the priming of the immune system, and early impacts on transmission and colonization of human microbes are associated with increased risk of immune and metabolic diseases. In this project we will compare developmental physiology of infants born by C-section exposed or not to vaginal fluids of their mothers at birth.

T21 Award Institutional training grant

Microbiology Graduate students, NYU, Funding PhD student Keith Martinez, tutored by MGDB

Emch Fund for Microbial Diversity

Dominguez-Bello (PI) 10/15/13 – 00/00/00

The microbiome of isolated peoples

Hunter-gatherer societies bring a unique opportunity to understand the microbiome before the impact of modern life practices. Little attention has been paid to the microbiomes of isolated peoples, away from practices including antibiotics, C-sections, hygienic practices, that may impact microbial populations. This project studies the community structure and function of the bacterial populations from traditional peoples, and their protective effect against current epidemic diseases of the modern urban world.

Prior Grants Received

- NIH-BRIN. P20 RR-0164702004-2005. Puerto Rico Alliance for the Advancement of Biomedical Research Excellence. (PI: Gonzalez). *Demographic diversity of H. pylori*.
- NSF-CESI. 2004-2005 (PI: Moreno). *Infrastructure for a new program in computer science at UPR-RP. Statistical analyses of biodiversity*.
- NSF-CREST. 2005-2007. (PI: Cuevas). *Digestive microbiomes from animals*.
- NSF-CESI. 2006-2007. (PI: Moreno). *Infrastructure for a new program in computer science at UPR-RP, Biological Networks Analysis Center (BNAC)*.
- NSF 0709840. 2007-2009. (PI: Dominguez-Bello). *Dissertation research: Developmental Microbial Ecology in the Crop of the Hoatzin (a South American leaf-eating bird)*.
- NSF 0716911. 2007-2009. (PI: Dominguez-Bello). *Microbial Phylogenetic Structure and Diversity in the Unique Fermenting Crop of the Hoatzin (Opisthocomus hoazin)*.
- Virginia Bioinformatics Institute. 2006-2007. (PI: Sobral). *Whole genome sequence of H pylori strain V225*.
- Virginia Bioinformatics Institute. 2006-2007. (PI: Basaranga). *H. pylori and obesity: a pilot study*.
- Nitroceutics 2004-2006. (PI: Dominguez-Bello). *Microbiology of the human scalp*.
- DOE-JOINT GENOME INSTITUTE. CSP Community Sequencing Program 796542-30747. (PI: Dominguez-Bello). 05/15/2011–05/15/2012 (Sequencing costs). *Study of the Hoatzin crop as source of novel enzymes*.
- FIPI, University of Puerto Rico. (PI: Dominguez-Bello). 2003-2005. *Bacterial diversity in the forestomach*.
- FIPI, University of Puerto Rico (PI: Dominguez-Bello). 2008-2009. *Measuring the Genetic Diversity in the Host-Microbial Binomial*.
- Regione Autonoma Sardegna, Italy. 2003-2004. (PI: Flores). *Studio delle relazioni tra stato nutrizionale e infezioni gastrointestinali EU*.
- NSF 716911 *Microbial Ecology of the folivorous Hoatzin 09/07-09/09*
- NSF HRD0206200 CREST-CATEC. (PI: Cuevas). 09/01/2007–09/01/2012. *Center for Applied Tropical Ecology and Conservation*.
- SCORE-NIH PES Program. (PI: Dominguez-Bello). 05/02/2012–05/02/2013. *The Microbiome of hunter-gatherers*.
- Foundation to Prevent Blindness (PI: Dodick). 01/01/2012–12/31/2013. *The Eye Microbiome*.
- Alfred P. Sloan Foundation Dominguez-Bello (PI) 04/15/2012–2/31/2015. *Microbes of built environments spanning human urbanization*.
- NSF HRD0206200 CREST-CATEC. Cuevas (PI) 09/01/2007 – 09/01/2012. *Center for Applied Tropical Ecology and Conservation*
- Foundation to Prevent Blindness. Dodick (PI) 01/01/2012–12/31/2013 *The Eye Microbiome*

- Alfred P. Sloan Foundation Dominguez-Bello (PI) 04/15/2012 – 12/31/2015 *Microbes of built environments spanning human urbanization*
- Alfred P. Sloan Foundation Dominguez-Bello (PI) 08/15/15 – 08/15/17 *Changes in Microbes of the Built Environment in Early Stages of Urbanization*
- 1R01DK090989-04 Blaser (PI) 09/25/2010 – 08/31/2017 NIH/NIDDK: *Disappearing gastrointestinal microbiota in epidemic obesity.*
- Collaborative Agreement with PureTech Inc. Dominguez-Bello (PI) 01/15/2018– 12/15/2019 *Pathways of disease protection by keystone microbionts.*

Patents

- 2009 Bassaganya-Riera J, Hontecillas R, Dominguez-Bello MG, Sobral B. Method of using probiotic bacteria to prevent insulin resistance and obesity-related inflammation (07.048 VTIP Disclosure), U.S. Provisional Patent Application No: 60/942,016, 2009
- 2015 Dominguez-Bello MG. Device and Method for restoring the microbiota of newborns. Provisional Patent Application No: 62/271.692, pending, Dec 2015
- 2015 U.S. Patent Application of Dominguez-Bello. Application Serial No. 15/155,675 (5/16/2016). Title: METHODS FOR RESTORING MICROBIOTA OF NEWBORNS. NYU Ref.: DOM01-01US// MB Ref.: 01161-7001-00US // TS Ref.: 243735.000157
- 2016 International Application No. PCT/US2016/032576, World Intellectual Property Organization (5/14/2016).
- 2016 International Application No. PCT/US2016/068735, World Intellectual Property Organization (12/27/2016)

Invited Speaker, Conferences and Universities

National

- 1991 Department of Animal Sciences, Purdue University, Lafayette IN
- 1996 Bailey Hortorium and Department of Animal Science, Cornell University, Ithaca NY
- 2002 Medical Science Campus, University of Puerto Rico, San Juan, Puerto Rico
- 2005 Ending the War Metaphor. Institute of Medicine, NAS, Washington DC
- 2005 Virginia Bioinformatics Institute, Virginia Tech (VPI), Blacksburg VA
- 2006 Department of Biology, University of Puerto Rico-Mayaguez, Puerto Rico PR
- 2009 Department of Anthropology, Hunter College, New York NY
- 2010 Center for Cancer Research, National Cancer Institute, NIH, Bethesda MD
- 2010 New Approaches for Antibiotic Resistance. DARPA workshop, Coronado CA
- 2010 Department of Microbiology, University of Massachusetts Medical School, Worcester MA
- 2010 Department of Chemistry and Biochemistry, University of Colorado, Boulder CO
- 2011 J. Craig Venter Institute, Rockville MD
- 2011 Center for Infection and Immunity, Columbia University, New York NY
- 2011 Medical Science Campus, University of Puerto Rico, San Juan, Puerto Rico
- 2012 Dartmouth College, Hanover NH
- 2012 Department of Biology, University of Puerto Rico, Puerto Rico
- 2013 University of Nebraska, Biotechnology/Life Sciences Seminar series, Lincoln NB
- 2013 Vassar College, Department of Anthropology, Biology, Environmental Studies and Programs in Science, Technology and Society, Poughkeepsie NY
- 2013 Harvard University: Celebrating Ten Years of the Microbial Ecology Initiative at Harvard, Cambridge MA

- 2013 NIH-Human Microbiome Science: Vision for the Future. Keynote speaker; Washington DC
- 2013 University of Texas-Austin. Department of Civil, Architectural, and Environmental Engineering, Austin TX
- 2014 New York Academy of Sciences, Invited Speaker "Hats off to Bacteria!", New York NY
- 2014 AAAS Symposium on the Microbiomes in the Built Environment. Washington DC.
- 2014 NYC Microbiome Day, Memorial Sloan Kettering, New York NY
- 2014 The New York Academy of Sciences. Early-Life Influences on Obesity. New York NY
- 2014 NYU Steinhardt Department of Nutrition, Food Studies, and Public Health, New York NY
- 2014 International Society for Environmental Epidemiology, (Plenary address), Seattle, WA
- 2014 International Society for Research in Human Milk and Lactation (ISRHML), Kiawah Island, SC
- 2015 University of Minnesota, St Paul MN.
- 2015 Wisconsin Association for Perinatal Care (WAPC) Annual Conference. Appleton WI
- 2015 Johns Hopkins University School of Public Health, Baltimore MD
- 2015 Puerto Rico Society of Microbiology, San Juan PR
- 2015 University of Pennsylvania, Philadelphia PA
- 2015 NIH, Microbiome in Health and Disease Symposium. (Keynote Lecture). Bethesda.
- 2016 National Academy of Sciences, Standing Committee on Emerging Science for Environmental Health Decisions (ESEH) workshop, Microbiome and Environmental Health. (Keynote Speaker), Washington DC.
- 2016 Association of Medical School Chairs of Pediatrics Annual Meeting, Savannah GA.
- 2016 Department of Genome Sciences Seminar Series. University of Washington, Seattle WA.
- 2016 Microbiome Research Seminar series, Columbia University, New York NY.
- 2016 Loyola University Medicine Grand Rounds, Chicago IL.
- 2016 Comparative Nutrition Society Meeting (Plenary Speaker). San Juan, Puerto Rico.
- 2016 Department of Molecular and Cellular Biology, Kennesaw State University, Kennesaw GA.
- 2016 39th Annual Scientific Meeting, New York Perinatal Society (Keynote speaker), New York NY.
- 2016 UCSD/RWJF Symposium, Changing Microbiome for Health, San Diego CA
- 2017 International Inflammation Network, Jersey City, NJ.
- 2017 University of Wisconsin UW School of Medicine and Public Health. Madison WI.
- 2017 Gordon Research Conference Animal-Microbe Symbioses (Invited speaker), Somerset VT.
- 2017 National Academies of Sciences, Engineering, and Medicine. Microbes of the Built Environment (MoBE) 2017 Symposium
- 2017 NIH Microbiome Emerging Themes Workshop. Bethesda, DC.
- 2017 Rockefeller University, Seminars in Clinical Research series, New York, NY.
- 2017 AMP 2017 Annual Meeting, Salt Lake City, UT (Plenary speaker).
- 2017 NAS Forum on Microbial Threats.
- 2018 ISEMPH annual conference, Evolution and Wilderness Medicine, Utah, (Plenary speaker).

International

- 1993 Rowett Research Institute, Aberdeen, UK
- 1994 Institute National de la Recherche Agronomique, Theix, Clermont Ferrand, France
- 1995 University of Harare, Zimbabwe
- 1998 University of Hanoi, Vietnam
- 2002 Centre Nationale de la Recherche Scientific, Gif-sur-Yvette Cedex, France
- 2002 Hospital Park Tauli, Barcelona, Spain
- 2002 Department of Animal and Food Science, Universidad Autonoma de Barcelona, Spain
- 2003 Center for Research in Alimentation and Development (CIAD), Hermosillo, Mexico
- 2003 Department of Experimental Biology, Universita de Cagliari, Sardinia, Italy
- 2003 Amazonian Center for Research and Control of Trop Dis (CAICET), Puerto Ayacucho, Venezuela
- 2004 University of Sucre and Hospital Boliviano Japones, Sucre, Bolivia
- 2005 Department of Anthropology, Universidade Federal do Rio Grande Do Sul, Porto Alegre, Brazil
- 2005 Department of Anthropology, Universita de Cagliari, Sardinia, Italy
- 2006 Université Cadi Ayyad, Graduate course on Nutrition and Parasites, Marrakesh, Morocco
- 2006 Department of Biology, University Simon Bolivar, Caracas, Venezuela
- 2007 School of Medicine, Universidad del Zulia, Maracaibo, Venezuela

2007 Department of Biology, Universidad de Ciudad Guayana, Pto Ordaz, Venezuela
 2009 Department of Experimental Biology, University of Cagliari, Sardinia, Italy
 2009 Department of Epidemiology, Tel Aviv University, Israel
 2010 Department of Biology, University Simon Bolivar, Caracas, Venezuela
 2010 Universidad Nacional de Colombia, Medellin, Colombia
 2010 Medical School Universidad Central de Venezuela, Caracas, Venezuela
 2011 Sackler School of Medicine, Tel-Aviv University, Israel
 2011 Cambridge Institute for Medical Research, University of Cambridge, UK.
 2012 Centro para la Investigacion de la Alimentacion y Desarrollo (CIAD), Mexico
 2012 Pontificia Universidad Catolica de Ecuador, Quito, Ecuador
 2012 Universidad Metropolitana, Caracas, Venezuela
 2013 Uruguayan Society of Microbiology. Montevideo, Uruguay
 2013 Universidad San Francisco Javier de Chuquisaca, Sucre, Bolivia
 2013 Wellcome Trust, Infectious Disease Genomics and Global Health. Hinxton, Cambridge, UK.
 2014 University Espiritu Santo School of Medicine, Guayaquil, Ecuador
 2014 Human Biology Association 39th Annual Meeting, Calgary, Canada
 2014 University of Graz, 1st Theodor Escherich Symp on Medical Microbiome Res, Graz, Austria.
 2015 Gut Microbiota for Health, Barcelona, Spain
 2015 Fifteenth International Human Microbiome Congress (Keynote Speaker), Luxembourg
 2015 International Symposium on Anaerobic Microbiology (Keynote Speaker), Portoroz, Slovenia
 2015 Gulbenkian Institute, Oeiras, Portugal
 2015 University College Cork, Cork, Ireland
 2015 Venezuelan Congress of Ecology (6th). (Keynote Lecture). Margarita, Venezuela.
 2015 Neonatal Update 2015: "the science of newborn care" (Keynote Speaker), London, UK.
 2016 WHO/Gates Foundation/NIAID. Global Vaccine and Immunization Research Forum, Johannesburg, South Africa
 2016 Canadian Institute for Advanced Research (CIFAR), Humans & the Microbiome, Portland OR
 2016 Symposium on development of metabolism. La Fondation Les Treilles, France
 2016 Royal Society/NYAcademy of Science Food Microbiome Interaction Meeting, London, UK
 2016 Tel Aviv University School of Public Health, Israel
 2016 VIII Workshop of the Spanish Society of Prebiotics and Probiotics (Keynote lecture), Santiago de Compostela, Spain
 2017 Nobel Conference The Microbiome and its Programming of Body Systems, Karolinska Institutet, Stockholm, Sweden
 2017 Asian Conference for Lactic Acid Bacteria, Keynote speaker, ACLAB9, Gwangju, Korea, July .
 2017 Gulbenkian Institute, Oeiras, Portugal
 2017 Institute for Clinical Molecular Biology, Christian -Albrechts University, Kiel, Germany, September.
 2017 Institut Pasteur Montevideo in Uruguay
 2017 International Peace Maternity & Child Health Hospital Affiliated to Shanghai Jiao Tong University School of Medicine, China
 2017 10th Congress of the World Society for Pediatric Infectious Diseases (WSPID), Shenzhen, China.
 2017 Institute of Microbiology, Chinese Academy of Sciences, Beijing, China.
 2017 Fujian Medical University, Fuzhou, China.
 2018 Nature Conference in Maternal and Child Health, Guanzhou, China
 2018 Rowett-INRA 2018 Gut Microbiology Conference, Aberdeen, Scotland (Plenary Speaker)
 2018 Nature Research, Round Table on Challenges in Translating the Microbiome, New York
 2018 Canadian Institute for Advanced Research (CIFAR), Humans & the Microbiome Program, Toronto, Canada
 2018 WHO/ Wellcome Trust, Transforming nutrition science for better health, London, UK.
 2018 INSERM-Institute Cochin, Microbiota in host health and disease: from correlation to causality. Paris, France

OTHER

Active collaborators

Rob Knight, University of California, San Diego (Bioinformatics, Ecology, Genomics)
Pieter Dorrestein, University of California, San Diego (Metabolomics)
Noel Mueller, School of Public Health, John Hopkins University (Public Health).
James Higham, Department of Anthropology, NYU (Anthropology)
Martin Blaser, Department of Medicine, NYU (Microbiome)
Jack Gilbert, Argonne, National Laboratory, Chicago (Genomics)
Filipa Godoy Vitorino, University Interamericana, San Juan PR (Genomics)
Monica Contreras, Venezuelan Institute for Scientific Research (Microbiome Ecology)
Oscar Noya, Amazonic Center for Research and Control of Tropical Diseases, Venezuela (MD, Parasitology)
Magda Magris, Amazonic Center for Research and Control of Tropical Diseases (Microbiome, HPV, Anthropology)
Hortensia Caballero, Venezuelan Institute for Scientific Research (Anthropology)
Maricruz Mojica, University of Sucre, Bolivia (Microbiome)

Synergistic Activities:

- Coordinator of the commercial production of the diagnostic urease test “Ureivic”, 1992-2003
- Vice-coordinator, Graduate Studies in Physiology and Biophysics, IVIC, 1994-1997
- Member of the Institutional Committee of Human Rights, IVIC, 1995-2000
- Member, Directive of the Association of Researchers, IVIC. 1995-97, 1999-2000
- Scientific Advisor for the International Foundation for Science (Sweden), 1994-present
- Member of the Latin American Network for Research in Bioactive Natural Compounds, Argentina 1999-2002
- Member International Advisory Committee, International Symposium on the Nutrition of Herbivores, 1998-2009
- Expert referee, Alban Program, European Union, 2000
- Member of the Scientific Committee, PhD School in Biology and Biochemistry of Man and the Environment, University of Cagliari, Italy, 2010- present
- Secretary of the Faculty of Sciences Personnel Committee and representative of the Department of Biology, University of Puerto Rico, 2011- 2012
- Member of the AAM-EMD Millipore Alice C. Evans Award Nominations Committee. 2013-2016
- Reviewer for the Institute of Medicine Workshop Reports and Summaries, 2013-present
- Collaborating Faculty, NYU School of Medicine International Health Program (research projects: Latin America), 2013-present
- Collaborator, “American Gut Project”, the world's largest open-source, community-driven effort to characterize the microbial diversity of humans. 2012-present
- Human Microbiome Exhibition Advisory Board. EdenProject, UK, 2013-present
- Scientific Advisory Board, Human Microbiome Exhibition. EdenProject, Cornwall UK, 2014-present.
- Member, External Scientific Advisory Committee for NIH U19, U Washington, Jan 2015.
- NSF Peer Review panel, 2015
- NSF Peer Review panels, 2004-2015
- CASIS Workshop: Omes and Omics: Exploring the Microbiome/Immune and Disease on the International Space Station U.S. National Lab. Cleveland, Oct 25, 2016.

Teaching Experience

2003-2012 General Microbiology, Microbiome, Microbial Ecology, Graduate Seminars. University of Puerto Rico School of Sciences (6 hours per week)

2014- 2016 Genomics and Global Health course (coordinated by Dr. J. Carlton), NYU Graduate School of Arts and Sciences (6 hours per year).

2015 Global Health Selective course at NYU School of Medicine (coordinated by Michelle DallaPiazza and Nathan Bertelsen), (6 hours)

2015	Summer School on Symbiosis, Callisto Gulbenkian Institute/European Community, Portugal, (40 hours)
2014-present	International Health Program, NYULMC: talks and advising four students for their international research projects (20 hours per year).
2017	Summer School on Symbiosis, Callisto Gulbenkian Institute/European Community, Portugal, (40 hours)-PENDING

Post-doctoral Fellows

2000-2002	Pulcherie Gueneau, Post-doctoral Fellow, IVIC, Caracas, Venezuela
2002-2003	Andreina Pacheco, Post-doctoral Fellow, IVIC, Caracas, Venezuela
2002-2003	Filipa Godoy, Post-doctoral Fellow, University of Puerto Rico, School of Sciences
2014-2016	Hakdong Shin, Post-doctoral Fellow, NYU
2017-present	Jincheng Wang, Post-doctoral Fellow, Rutgers University

Current students

Graduate Students

2013-present	Daniela Vargas, University of Puerto Rico, School of Sciences (PhD)
2015-present	Keith Martinez, NYU School of Medicine (PhD; NIH grant 5T32AI007180).
2017- present	Antonia Francis, NYU School of Medicine (MSc CTSI program)
2018- present	Aishwarya Natham, Rutgers University (MSc)
2018- present	Camille English, Rutgers University (PhD)
2018- present	Alex Cai, Rutgers University (MSc)

Undergraduate Students

2018- present	Sherry Wang, Microbiology, Rutgers University
2018- present	Ciarra Williams, Microbiology, Rutgers University
2018- present	Sami Eirekat, Microbiology, Rutgers University
2018- present	Melina Luu, Anthropology, Rutgers University
2018- present	Melissa Woortman., Microbiology, Rutgers University

Past Students

Past Graduate Students

1997-2001	Marco T. Rincon. 1997, Graduate Student, IVIC, Venezuela. (MSc)
1999-2001	Nancy Pacheco, IVIC, Venezuela (MSc)
2000-2002	Estalina Baez, IVIC, Venezuela (MSc)
2001-2005	Luzmary Vasquez, IVIC, Venezuela (MSc)
2000-2003	Maria Alexandra Garcia, University Simon Bolivar, Venezuela (PhD)
2000-2004	Ana L. Maldonado-Contreras, IVIC, Venezuela. (MSc)
2003-2008	Filipa Godoy-Vitorino, University of Puerto Rico, School of Sciences (PhD)
2004-2009	Ana L. Maldonado-Contreras, University of Puerto Rico, School of Sciences (PhD)
2008-2013	Ida Pantoja Feliciano, University of Puerto Rico, School of Sciences (PhD)
2013-2014	Doris Patricia Maldonado, Universidad Andina Simón Bolívar, Sucre, Bolivia (MSc)
2011-2016	Jean Frances Ruiz, University of Puerto Rico, School of Sciences (PhD)
2014-2015	Marina Hoashi, NYU Polytechnic (MSc)
2015-2016	Devika Vij, NYU Graduate School of Arts and Sciences (MSc)

Past Thesis Committee Member, visitors in Rotation

1993	Debora Yurman. Universidad Central de Venezuela (BSc)
1994	Ramon Eloy Aguiar. Universidad Central de Venezuela (BSc)
1994	Pedro Borges. University Simon Bolivar, Venezuela (BSc)
2004	Dania Rodriguez, University of PR, School of Sciences
2004	Rafael Lebron, University of PR, Medical Campus
2006	James Timber, University of PR, School of Sciences

2005 Fernando Maldonado, University of PR, School of Sciences
 2005 Lisamarie Olaguibel, University of PR, School of Sciences
 2006-2012 Elia Enid Sanchez, University of PR, School of Sciences
 2005-2006 Hamlet Perez University of PR, School of Sciences
 2005-2012 Pascal Mege, University of PR, School of Sciences
 2006 Ana Longo, University of PR, School of Sciences
 2006 Gisela Hernandez, University of PR, School of Sciences
 2007 Sheila Soler. Jan 2007-Aug 2007.
 2003-2005 Jennifer Ortiz, University of PR, School of Sciences
 2003-2008 Carlos Toledo, University of PR, School of Sciences
 2008 Ana Longo, University of PR, School of Sciences
 2011 Jose Luis Ortiz Lugo, University of PR, School of Sciences
 2005-2010 Pablo Ortiz University of PR, School of Sciences
 2006-2011 Pascal Megue, University of PR, School of Sciences
 2007-2011 Maria Pagan, University of PR, School of Sciences
 2010-2013 María Juliana Soto-Girón, University of PR, School of Sciences
 2012 Rachel Cymerman, NYU School of Medicine
 2013 Emily Danies, MD from Bogota, Colombia
 2013 Mudit Chowdary, Mercer University
 2014 Albert Luong, NYU School of Medicine
 2014 Elizabeth Bakacs, NYU School of Medicine
 2014-2016 Marina Hoashi, NYU Polytechnic
 2014 Lashanda Williams, NYU School of Sciences
 2014 Kenneth Pace, NYU School of Medicine
 2012-2014 Patricia Maldonado, Universidad Andina, Bolivia
 2012-present Joan Comerlick, NYU School of Nursing.
 2008-present Mitchelle Rivera, University of PR, School of Sciences
 2013-present Yarira Ortiz-Alvarado, University of PR, School of Sciences
 2013-present Liza Garcia, University of PR, School of Sciences
 2014-present Yadira Ortiz-Castellanos, University of PR, School of Sciences
 2014-2016 Lauren Sullivan, NYU School of Medicine
 2014-2015 Sarah Zhang, NYU School of Medicine
 2016 Joshua Chao, intern
 2016-2017 Valentina Montacutti, MD, intern
 2014-2015 Noel Mueller, Intern, Columbia University
 2014-2015 Monica Contreras, Intern, IVIC, Caracas, Venezuela
 2016-2017 Karen Park, User Experience Design & Research Specialist, Independent Consultant
 2016 Lexy Parra, Biologist
 2017 Christina Congdon, Nurse, NYU School of Medicine
 2017 David Good, Biologist
 2017 Amber Benezra, Anthropologist, NYU
 2017 Angelina Volkova, NYU
 2017 Charles Guillihan, Medical student, NYU

Past Undergraduate Students

2004-2005 Cedric Pluguez, UPR, University of PR, School of Sciences
 2004 Celi Dominguez Caballer, University of PR, School of Sciences
 2004 Zylka Feliciano, University of PR, School of Sciences
 2004 Jose Ponce, University of PR, School of Sciences
 2004 Lourdes Aviles, University of PR, School of Sciences
 2004-2005 Debra Amezcuita, University of PR, School of Sciences
 2005 Gladys Terc, University of PR, School of Sciences
 2004-2005 Surey Galarza, University of PR, School of Sciences
 2005-2006 Maria del Mar Rodriguez Berrios, University of PR, School of Sciences
 2004-2006 Maite Ferrer Rodríguez, University of PR, School of Sciences

2005-2006 Ariam Cuadrado, University of PR, School of Sciences
2006 Lidia Ocasio Lopez, University of PR, School of Sciences
2005-2006 Su-Jan Sang, University of PR, School of Sciences
2004-2006 Christian Rosado, University of PR, School of Sciences
2006 Marisabel Bascaran, University of PR, School of Sciences
2006-2007 Anamaria Noriega, University of PR, School of Sciences
2006-2007 Ivonne Reyes, University of PR, School of Sciences
2007 Daliris Ramirez-Burgos University of PR, School of Sciences
2007 Myosotis Rodríguez, University of PR, School of Sciences
2004-2006 Ida Pantoja, University of PR, School of Sciences
2007 Lyd Marie Rodríguez, University of PR, School of Sciences
2007 Jesus Fernandez, University of PR, School of Sciences
2007 Jonathan Vargas, University of PR, School of Sciences
2007 Jose Cintron, University of PR, School of Sciences
2007-2008 Lyd Narie Rodriguez, University of PR, School of Sciences
2009 Raymond Rivera, University of PR, School of Sciences
2009-2013 Kassandra de Jesus, University of PR, School of Sciences
2009 Miguel Rivera, University of PR, School of Sciences
2009-2011 Angela Alisea, University of PR, School of Sciences.
2010 Diego Borralli, University of PR, School of Sciences
2014-2015 Desiree Ortiz, University of PR, School of Sciences
2010 Lucelenie Rodriguez, University of PR, School of Sciences
2010-2011 Pamela Padro Juarbe, University of PR, School of Sciences
2010-2012 Juan Luis Rivera, University of PR, School of Sciences
2011-2012 Ana Maldonado Albertorio, University of PR, School of Sciences
2011-2013 Selena Rodriguez, University of PR, School of Sciences
2012-2015 Noraliz Garcia, UPR, University of PR, School of Sciences
2012 Valerie Figueroa, University of PR, School of Sciences
2012-2013 Max Berrios, UPR, University of PR, School of Sciences
2014 Bryan Rios, UPR, University of PR, School of Sciences
2013 Carlos Lopez, UPR, University of PR, School of Sciences
2014-2016 Tania Garcia, UPR, University of PR, School of Sciences
2014-2015 Edward Hennis, NYU School of Medicine
2015-2016 Hebe Rosado, University of PR, School of Sciences
2015-2016 Cochranlee Villanueva University of PR, School of Sciences
2016 Aysha Malik, Boston University
2016 Oge Onuh, Mercer University
2017 Gabriela Pereira, Princeton University
2017 Sandra Yin, Columbia University
2017 Anna Kuznetsova, NYU

High School Students

2006 Juan Ortega. Funded by High School-COR Career and Search Opportunities, NIH
2006 Adriana Rivera. Funded by High School COR Career and Search Opportunities, NIH
2016 Kaiyuan Yang, Shanghai, China

Congress Presentations since 2015 (150 on or before 2016)

151- Angelina Volkova, Monica Contreras, Oscar Noya-Alarcon, Orlana Lander, Kelly Ruggles, Maria G. Dominguez Bello. Impact of Short-term Lifestyle Changes on the Human Microbiome. **117th General Meeting of the American Society for Microbiology (ASM)**, New Orleans, LA, USA, June, 2017.

- 153- Keith A Martinez II and Maria Gloria-Dominguez Bello. Maternal blood supplies bacterial DNA to the placenta and fetus. **117th General Meeting of the American Society for Microbiology** (ASM), New Orleans, LA, USA, June, 2017.
- 154- Liza Garcia-Recinos, Patricia Burrowes, Maria Dominguez-Bello. Seasonal and location variations of the *Eleutherodactylus coqui* frog skin microbiota. **117th General Meeting of the American Society for Microbiology** (ASM), New Orleans, LA, USA, June, 2017.
- 155 Vargas-Robles D, Magris M, Morales N, de Koning M.N.C, Rodriguez I, Nieves T, Godoy-Vitorino F. Sanchez G I, Alcaráz L.D, Pérez M.E, García-Briceño van Doorn L, Dominguez-Bello MG. Human Papilloma Virus in Women Spanning Urbanization. **117th General Meeting of the American Society for Microbiology** (ASM), New Orleans, LA, USA, June, 2017.
- 156- Martinez II KA, Romano-KeelerJ, Moore DJ, Brucker RM, Hooper C, Meng S, Brown N, Mallal S, Reese JJ, Shin, H, Aronoff, D, Dominguez-Bello MG, Weitkamp, JH. Bacterial DNA is present in the fetal intestine and overlaps with the placenta. **Recent Advances in Neonatal Medicine** 2017, Würzburg, Germany, October 2017.
- 157- Dominguez-Bello MG. Importance of the microbiota to infant development. **2018 Symposium Microbiology at Rutgers** (Keynote Speaker). New Brunswick, Febr 2018.
- 158- Dominguez-Bello MG. **Sixth semi-annual retreat of Symbioses: A BioSocial Network, 2018.** (Invited speaker). New Brunswick, February 2018.
- 159- Dominguez-Bello MG. Effect of C-section on the microbiota and host phenotype. **Keystone Symposium on Microbiome, Host Resistance and Diseases.** Banff, Alberta Canada, March 4 – 9, 2018.
- 160- Dominguez-Bello MG. Effect of C-section on the human microbiota. **Annual meeting of the American Association of Physical Anthropology (AAPA)** 2018. Austin, TX April 11-14, 2018. Proceedings published in **American Journal of Physical Anthropology.** 165: 70
- 157- Mueller NT, Noya-Alarcon O, Contreras M, Appel LJ, Dominguez-Bello MG. Age-Related Blood Pressure Changes at the Incipient Stages of Westernization in Yanomami and Yekwana Tribes. **American Heart Association** 2018 EPI|Lifestyle Scientific Sessions, New Orleans, LA 2018. Circulation 137 (Suppl 1), A029-A029