

## MEMORIAL SLOAN-KETTERING CANCER CENTER

Name: Rodolfo Javier Ricart Arbona

Office Address: Memorial Sloan-Kettering Cancer Center  
Center of Comparative Medicine and Pathology  
1300 York Avenue  
New York, NY 10065  
Tel #: (212) 746-9265  
Fax #: (212) 746-8847

### Education:

Bachelors of Science, Pontifical Catholic University of Puerto Rico, Ponce, PR  
August 1991-December 1995, 1995

Master of Laboratory Animal Science, MCP-Hahnemann University School of  
Medicine, Philadelphia, PA, August 1996-May 1998, 1998

Doctor of Veterinary Medicine, The Ohio State University, Columbus, OH  
September 2001-June 2005, 2005

### Postdoctoral Training:

Internship in Small Animal Medicine & Surgery, Oradell Animal Hospital, Paramus, NJ  
July 2005-July 2006

Postdoctoral Fellowship in Laboratory Animal Medicine and Science,  
MSKCC/Rockefeller University/Weill Cornell Medicine New York, NY August 2006-  
July 2009

### Other Positions and Appointments:

Small Animal Emergency Clinician (Per Diem), Westside Veterinary Center, New York,  
NY August 2006-August 2009

Clinical Veterinarian, New York State Psychiatric Institute, New York NY September  
2009-January 2011

Senior Clinical Veterinarian & Head of Biosecurity, Center of Comparative Medicine and  
Pathology, Assistant Laboratory Member, Memorial Sloan-Kettering Cancer Center and Weill  
Cornell Medicine January 2011-Present

### Faculty Appointments:

Associate Laboratory Member, Sloan Kettering Institute, New York NY, June 2019-  
Present

Assistant Laboratory Member, Sloan Kettering Institute, New York NY, 2011-May 2018

### Board Certification:

American College of Laboratory Animal Medicine, 2010-present

Professional Organizations:

American Association for Laboratory Animal Science

- National & NY Chapter

American Society of Laboratory Animal Practitioners

Reviewer for Scientific Journals:

Comparative Medicine 2010-present

Journal of the American Association of Laboratory Animal Science 2010-present

Lab Animal 2007-present

Consultant:

State University of New York-Downstate, State University of New York-Optometry, City University of New York, Lehmann College, Feinstein Medical Research Institute, New York State Psychiatric Institute, Rockefeller University

Published Bibliography:

- Ma K., Lertpiriyapong K., Piersigilli A., Dobtsis I., Littman, M., Leiner I., Pamer E.G., Ricart Arbona R.J., Lipman N.S. Clostridioides difficile Typhlocolitis Resulting from Amoxicillin Treatment in Highly Immunocompromised Mice. (In preparation)

- Floyd R., Aronowitz E., Voss H.U., Ricart Arbona R.J. Congenital Ethmoidal Meningoencephalocele in C57Bl/6J Mouse. (In preparation)

-Mangosing S., Goodman L.B., Thachil, A.J., Lipman N.S., Ricart Arbona R.J. Contaminated Rodent Feed as a Source of *Salmonella enterica* Serotype Livingstone Infection in a Laboratory Mouse (*Mus musculus*). (In preparation)

-Rosenberg J.B., Kaplitt M.G., De B.P., Chen A., Flageiello T., Salami C., Pey E., Zhao L., Ricart Arbona R.J., Monette S., Dyke, J.P., Ballon D.J., Kaminsky S.M., Sondhi D., Petsko G., Paul S.M., Crystal R.G. AAVrh.10-Mediated APOE2 Central Nervous System Gene Therapy for APOE4-Associated Alzheimer's Disease. Hum Gene Ther Clin Dev. 2018 Mar, 29 (1):24-47

-Nashat M.A., Ricart Arbona R.J., Lepherd M.L., Santagostino, S.F., Livingston R.S., Riedel E.R., Lipman N.S. Ivermectin-compounded Feed Compared with Topical

Moxidectin-Imidacloprid for Eradication of *Demodex musculi* in Laboratory Mice. J Am Assoc Lab Anim Sci. 2018 Sept; 57(5): 483–497

-Nashat M.A., Lephherd M.L., Ricart Arbona R.J., Riedel E.R., Francino O., Ferrer L., Luchins K.R., Lipman N.S. Comparison of Diagnostic Methods and Sampling Sites for the Detection of *Demodex musculi*. J Am Assoc Lab Anim Sci. 2018 Mar; 57(2): 173–185

-Moriguchi, Y., Mojica-Santiago J., Grunert, P., Pennicooke B., Connor, B., Khair, T., Navarro-Ramirez, R., Grossbard, B.P., Ricart Arbona, R.J., Nguyen, J., Härtl, R., Bonassar, L.J. Total Disc Replacement Using Tissue-Engineered Intervertebral Discs in the Canine Cervical Spine. PLoS One. 2017 Oct 20;12(10)

-Gerwin P.M., Ricart Arbona R.J., Riedel E.R., Henderson K.S., Lipman N.S. PCR Testing of IVC Filter Tops as a Method for Detecting Murine Pinworms and Fur Mites. J Am Assoc Lab Anim Sci. 2017 Nov; 56(6): 1–10

-Grunert P., Moriguchi Y., Grossbard B.P., Ricart Arbona R.J., Bonassar L.J., Härtl R. Degenerative Changes of the Canine Cervical Spine After Discectomy Procedures, an In-Vivo Study. BMC Vet Res. 2017 Jun 23;13(1):193

-Santagostino S.F., Ricart Arbona R.J., Nashat M.A., White J.R., Monette S. Pathology of Aging in NOD scid gamma Female Mice. Vet Pathol. 2017 Sep;54(5):855-869

-Gerwin P.M., Ricart Arbona R.J., Riedel E.R., Lephherd M., Henderson K.S., Lipman N.S. Evaluation of Traditional and Contemporary Methods for Detecting *Syphacia obvelata* and *Aspiculuris tetraptera* in Laboratory Mice. J Am Assoc Lab Anim Sci. 2017 Jan; 56(1): 32–41

-Braden G.C., Ricart Arbona R.J., Lephherd M., Monette S., Toma A., Fox F.G., Dewhirst F.E., Lipman N.S. A Novel  $\alpha$ -hemolytic *Streptococcus* sp. ("*Streptococcus azizii*" sp. nov.) Associated with Meningoencephalitis in Naïve Weanling C57BL/6 Mice. Comp Med. Comp. Med. 2015; 65(3):186-95

-Hicks M.J., Kaminsky S.M., De1 B. P., Rosenberg J.B., Evans S.M., Foltin R.W., Andrenyak D.M., Moody D.E., Koob G.F., Janda K.D., Ricart Arbona R.J., Lephherd M.L., and Crystal R.G. Fate of Systematically Administered Cocaine in Nonhuman Primates Treated with the dAd5GNE Anti-cocaine Vaccine. Hum Gene Ther Clin Dev. 2014 Mar;25(1):40-9

-Ricart Arbona R.J., Lipman N.S., Riedel E.R., Wolf F.R. Treatment and Eradication of Murine Fur Mites: I. Toxicologic Evaluation of Ivermectin-Compounded Feed. J Am Assoc Lab Anim Sci. 2010; 49(5):564-570

-Ricart Arbona R.J., Lipman N.S., Wolf F.R. Murine Fur Mite Treatment and Eradication II:Diagnostic Considerations. J Am Assoc Lab Anim Sci. 2010;49(5):583-587

-Ricart Arbona R.J., Lipman N.S., Wolf F.R. Murine Fur Mite Treatment and Eradication III:Treatment of a Large Mouse Colony with Ivermectin-Compounded Feed. J Am Assoc Lab Anim Sci. 2010;49(5):633-637

-Traslavina R.P., King E.J., Loar A.S., Riedel E.R., Garvey M.S., Ricart Arbona R.J., Wolf F.R., Couto S.S. Euthanasia by CO(2) Inhalation Affects Potassium Levels in Mice. J Am Assoc Lab Anim Sci. 2010;49(3):316-22

- Dicello J.F., Christian A., Cucinotta F.A., Gridley D.S., Kathirithamby R., Mann J.F., Markham A.R., Moyers M.F., Novak G.R., Piantadosi S., Ricart Arbona R.J., Simonson D.M., Strandberg J.D., Vazquez M., Williams J.R., Zhang Y., Zhou H., Huso D.L. In-Vivo Mammary Tumourigenesis in the Sprague-Dawley Rat and Microdosimetric Correlates. Phys Med Biol. 2004; 21;49(16):3817-30

- Karim B.O., Landolfi J.A., Christian A., Ricart Arbona R.J., Qiu W., McAlonis M., Eyabi P.O., Khan K.A., Dicello J.F., Mann J.F., Huso D.L. Estrous cycle and ovarian changes in a rat mammary carcinogenesis model after irradiation, tamoxifen chemoprevention, and aging. Comp Med. 2003; 53(5):532-8

Publication Acknowledgements:

- Roediger B., Lee Q., Tikoo S., Cobbin J.C.A., Henderson J.M., Jormakka M., O'Rourke M.B., Padula M.P., Pinello M., Henry M., Wynne M., Santagostino S.F., Brayton C.F., Rasmussen L., Lisowski L., Tay S.S., Harris D.C., Bertram J.F., Dowling J.P., Bertolino P., Lai J.H., Wu W., Bachovchin W.W., Wong J.J-L., Gorrell M.D., Shaban B., Holmes E.C., Jolly C.J., Monette S., Weninger W. An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. Cell 2018 doi.org/10.1016/j.cell.2018.08.013

-Li G., Wu B., Ward M.G., Chong A.C.N., Mukherjee S., Chen S., Hao M.  
Multifunctional in vivo imaging of pancreatic islets during diabetes development. J Cell Sci. 2016 Jul 15;129(14):2865-75

-Visaya J.M., Ward R.F., Modi M.K. Feasibility and Mortality of Airway Balloon Dilation in a Live Rabbit Model. JAMA Otolaryngol Head Neck Surg. 2014 Mar;140(3):215-9

-Maoz A., Hicks M.J., Vallabhjousula S., Synan M., Kothari P.J., Dyke J.P., Ballon D.J., Kaminsky S.M., De B.P., Rosenberg J.B., Martinez D., Koob G.F., Janda K.D., Crystal R.G. Adenovirus Capsid-Based Anti-Cocaine Vaccine Prevents Cocaine from Binding to the Nonhuman Primate CNS Dopamine Transporter. Neuropsychopharmacology 2013 Oct;38(11):2170-8

- Roble G.S., Boteler W., Riedel E.R., and Lipman N.S. Total IgE as a Serodiagnostic Marker to Aid Murine Fur Mite Detection. JAALAS. 2012;51(2):199-208

-Peterson N.C., Servinsky M.D., Christian A., Peng Z., Qiu W., Mann J.F., Dicello J.F., Huso D.L. Tamoxifen Resistance and Her2/neu Expression in an Aged, Irradiated Rat Breast Carcinoma Model. Carcinogenesis. 2005 Sep;26(9):1542-52

#### Conference Presentations & Posters:

- AL-Saddah N., Mouskas K., Naing E., Abzalimov R., Ricart Arbona R.J., Mavridou E., Walsh T.J. Isavuconazonium Sulfate plus Micafungin Improves Survival in an Immunocompromised Murine Model of Disseminated Fusariosis. ID Week 2019 - Presentation

- Ricart Arbona, R.J., Wang C., Henderson K.S., Wolf, F.R., Altan E., Delwart E., Lipman N.S. Murine Astrovirus 2: A Novel Virus Infecting Laboratory Mice. National AALAS Conference 2018 - Presentation

- Wang C., Ricart Arbona R.J., Momtsios P., Altan E., Delwart E., Lipman N.S., Henderson K.S. Next Generation Sequencing of a Novel Astrovirus Detected in a Research Colony of Mice. National AALAS Conference 2018 - Poster

- Kelly S.P., Ricart Arbona R.J., Michel A.O., Wang C., Henderson K.S., Lipman N.S. Characterizing the Infectivity, Tissue Tropism, and Pathology of MuAstV2, a Novel Murine Astrovirus. National AALAS Conference 2018 - Presentation

- Gugel M., Ricart Arbona R.J., Schietinger A., Perkins C.L., Henderson K.S., Lipman, N.S. Characterizing the Murine Immune Response Following Infestation with *Demodex musculi*. National AALAS Conference 2018 - Presentation

- Ma K., Lertpiriyapong K., Piersigilli A., Dobtsis I., Ricart Arbona R.J., Lipman N.S. *Clostridium difficile* Typhlocolitis Outbreak after Amoxicillin treatment in Highly Immunocompromised Mice. National AALAS Conference 2018 – Presentation

- Ricart Arbona, R.J., Goodman L.B., Thachil, A.J., Lipman, N.S. Contaminated Rodent Feed as a Source of *Salmonella enterica* Serotype Livingstone Infection in a Laboratory Mouse (*Mus musculus*). National AALAS Conference 2017 - Poster

- Gugel M., Ricart Arbona R.J. Sustained Weight Loss in a BALB/cAnNCr Mouse Vaccinated Against Influenza Virus. National AALAS Conference 2017 - Presentation

- Ricart Arbona, R.J. Diseño y Manejo de Instalaciones Semi-Autónomas para Cuarentena de Roedores de Laboratorio. FeSAHANCCCAL Conference 2017 - Presentation

- Ricart Arbona, R.J., Nashat, M.A., Lipman, N.S., Wolf, F.R. Estimated Prevalence of *Demodex* spp. in a 1600 Cage Mouse Colony and in Imported Mice from Other Academic Institutions. National AALAS Conference 2016 - Presentation

- Ricart Arbona, R.J., Wolf, F.R., Lipman, N.S. Putative Virus Identified During Colony Health Monitoring with a Novel MTLV Antigen. National AALAS Conference 2016 - Presentation

- Ricart Arbona, R.J. Murine Demodex: Biosecurity Implications. National AALAS Conference 2015 - Presentation

-Gerwin P.M., Ricart Arbona R.J., Henderson K.S., Lipman N.S. Evaluation of Cage Filter Top PCR Testing as a Method for Detecting Pinworms and Fur Mites in Laboratory Mice. National AALAS Conference 2015 - Presentation

-Gerwin P.M., Ricart Arbona R.J., Lephherd M., Henderson K.S., Lipman N.S. Evaluation of Traditional and Contemporary Methods for Detecting *Syphacia obvelata* and *Aspiculuris tetraptera* in Laboratory Mice National AALAS Conference 2015 - Poster

-Gerwin P.M., Ricart Arbona R.J. Post-Operative Lameness in a Beagle Dog (*Canis familiaris*). Tri-Branch Conference 2014 - Presentation

-Braden G.C., Ricart Arbona R.J., Lopherd M., Monette S., Lipman N.S. A Novel Streptococcus Associated with Meningoencephalitis in Naïve Weanling C57BL/6N Mice National AALAS Conference 2013 – Presentation

-Ricart Arbona R.J., Lipman N.S., Wolf F.R. Diagnostic Considerations in Murine Fur Mite Detection. National AALAS Conference 2008 – Presentation

-Ricart Arbona R.J., Lipman N.S., Wolf F.R. Toxicologic and Efficacy Testing of Ivermectin-impregnated Feed for Murine Fur Mite Eradication National AALAS Conference 2008 – Presentation