

Marie L. Rivera-Zengotita, M.D.

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Appointments

- 2009 Assistant Professor of Pathology, University of Puerto Rico, Medical Sciences Campus
- 2006-2007 Chief Resident, Department of Pathology and Laboratory Medicine, University of Puerto Rico Medical Sciences Campus

Education and Training

- 2007-2009 Neuropathology, Baylor College of Medicine, Houston, Texas
- 2004-2007 Anatomic Pathology, University of Puerto Rico, Medical Sciences Campus
- 2000-2004 M.D., Ponce School of Medicine
- 1996-2000 B.S., Chemistry (*summa cum laude*) Pontifical Catholic University of Puerto Rico

Certifications

USMLE Step 1- Pass/214 (June 21, 2002.)

USMLE Step 2- Pass/223 (July 3, 2003.)

USMLE Step 3- Pass/211 (December 1, 2005.)

Board Certified, Anatomic Pathology, The American Board of Pathology (January 4, 2008.)

Board Certified, Neuropathology, The American Board of Pathology (September 10, 2009.)

Marie L. Rivera-Zengotita, M.D.

Medical Licensure

Puerto Rico, 16464

Honors & Awards

- 2004 **Academic Honor**, M.D. Program, Ponce School of Medicine
- 2003 **Alpha Omega Alpha**, Puerto Rico Beta Chapter
- 2001 **USAA All-American Scholar Collegiate Award**
Recognizes outstanding work and academic achievements during college career. Biography published in the All-American Scholar Collegiate Directory.
- 2000 **Highest Grade Point Average** of Graduating Class at Bachelor Degree level, Pontifical Catholic University of Puerto Rico
- Highest Grade Point Average** of College of Science, Pontifical Catholic University of Puerto Rico
- 1999 **Who's Who among Students in American Universities and Colleges Award**
Award conferred annually upon outstanding student leaders. Biography presented in the 1999 edition of Who's Who among Students in American Universities and Colleges.
- National Collegiate Natural Sciences Award**
Biography published in 1999 volume of the United States Achievement Academy National Collegiate Awards Yearbook.
- 1998-2000 **Alpha Chi** National College Honor Scholarship Society
- 1998 **National Collegiate Minority Leadership Award**
Biography published in 1998 volume of the United States Achievement Academy National Collegiate Awards Yearbook.
- The National Dean's List Honorary Award Recognition**
Biography published in the 21st Annual Edition of the National Dean's List, 1997-1998.
- Academic All-American at Large Division Scholars**
Honor based upon early college acceptance and academic achievements.

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- 1997 **CRC Press LLC Freshman Chemistry Achievement Award**
Recognizes outstanding scholastic achievement in chemistry during the freshman year.
- 1996-2000 **Highest Grade Point Average** of Chemistry
Department, Pontifical Catholic University of Puerto Rico
- College of Science Dean's List**, Pontifical Catholic University of Puerto Rico
- Institutional Honor Program Scholarship**, Pontifical Catholic University of Puerto Rico
Merit award based on academic performance and leadership.

Teaching Experience

- 2009 Appointed as co-coordinator of the Neuroscience Course second year medical students, University of Puerto Rico, Medical Sciences Campus
- Coordinator of the elective rotation in Anatomic Pathology, University of Puerto Rico, Medical Sciences Campus
- 2008-2009 **Neuropathology Tumor Boards, M.D. Anderson Cancer Center and The Methodist Hospital**
- Bi-weekly Neuropathology Conference, The Methodist Hospital**
- 2008 **Introduction to nerve biopsy, University of Puerto Rico Medical Sciences Campus**
- 2004-2007 **Second year medical student laboratory sessions, University of Puerto Rico Medical Sciences Campus**
Instructed second year medical students in Autopsy, Vasculitis, Neuropathology, GI pathology, Liver Pathology GYN pathology, Renal pathology and Markers of Cellular Injury.

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Mortality and morbidity conferences, University of Puerto Rico Medical Sciences Campus

Prepared and presented results of autopsy and surgical cases to Pediatrics, OBGYN, Cardiology and Neurosurgery residents.

Tumor Boards, University of Puerto Rico Medical Sciences Campus

Including G.I. and liver pathology, Gynecology oncology, Pediatrics, Urology, and Endocrinology

- 1999-2000 **TaDDEI Program, Pontifical Catholic University of Puerto Rico**
Worked as a tutor of Physics courses.
- 1998-2000 **Puerto Rico Alliance for Minority Participation Mentoring Program, Pontifical Catholic University of Puerto Rico**
Worked as a mentor and organized activities to promote interest in undergoing graduate studies to B.S. students.
- 1998 **Teacher's assistant at C.C.D.N. America Capó V**
Worked as a teacher's assistant at a daycare center. Helped organize daily activities for children.
- 1997-2000 **Volunteer Chemistry Courses Tutor**
Organized and tutored study groups of Organic Chemistry, Analytical Chemistry, Instrumental Chemistry, and Physical Chemistry.

Research Experience

- 2008 **Texas Childrens Hospital/Baylor College of Medicine**
Adekunle Adesina, MD, PhD. Currently working on the molecular characterization of nodular medulloblastomas with and without anaplasia in children. Molecular techniques used include QrtPCR and FISH for N-myc, C-myc, OTX-2, c-erb-B2.
- 2001 **Medical Students Summer Research Program**
Elizabeth Barranco, MD, Ponce School of Medicine. Conducted a self-appraisal study at Saint Luke's Memorial Hospital Ponce, P.R. to assess the hospital's breastfeeding policies. Results presented to Pediatric and OBGYN Residency Programs and Administrative Officials at Saint Luke's Memorial Hospital and to participants of the Medical Students Summer Research Program at Ponce School of Medicine.

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Abstracts, Posters and Presentations

Rivera-Zengotita M, M.D.; Nunez M, M.D.; Mehta V, MS; Courteau G; Chintagumpala M, M.D., Dauser R, M.D., Adesina AM, M.D., Ph.D. Anaplastic progression in nodular medulloblastoma: relationship with myc amplification.

Platform presentation at the AANP 2009 Annual Meeting, San Antonio, TX, June 2009

Marie Rivera-Zengotita, MD; Jianyi Li, MD, PhD; Hidehiro Takei, MD, PhD; Gregory N. Fuller, MD, PhD; Suzanne Z. Powell, MD. Sclerosing paraganglioma of the filum terminale.

Poster presented at the CAP 08 Meeting, San Diego, CA, September 2008.

Marie Rivera-Zengotita, David Murdock, A Beaudet, Meena B. Bhattacharjee. Neuromuscular presentation of severe neonatal onset glycogenosis type IV.

Poster presented at the Experimental Biology 2008 Meeting, San Diego, CA, April 2008.

Rivera-Zengotita M, Mehta V, Craigen W, Scaglia F, Bhattacharjee M, Wong L-J, and Adesina AM. Mitochondrial immunofluorescence assay as an adjunctive tool in the diagnosis of mitochondrial myopathy.

Poster presented at the Experimental Biology 2008 Meeting, San Diego, CA, April 2008.

M Rivera-Zengotita, W Whitehead, M Chintagumpala, GN Fuller, J Jones, AM Adesina. Malignant Epithelioid Glioneuronal Tumor: Unusual Phenotype or New Entity?

Poster presented at the 2008 USCAP Meeting, Denver, CO, March 2008.

Rivera M, Jiménez L, Ferrá S, Colón L, Carro E. Prolactinoma with extensive amyloid deposits: A case report.

Poster presented at the XXVII Annual Forum of Investigation and Education, University of Puerto Rico Medical Sciences Campus, March 2007.

Rosa M, **Rivera M**, Colón L. Renal angiomyolipoma: Report of a case.

Abstract submitted for presentation at the VIII Congreso Virtual Hispanoamericano de Anatomía Patológica.

Rivera M, Climent C. Serous surface papillary carcinoma of peritoneum: An autopsy case report.

Poster presented at the XXVI Annual Forum of Investigation and Education, University of Puerto Rico Medical Sciences Campus, April 2006.

De Marino S, **Rivera M**, Tulla M, Barranco E. San Lucas: Becoming a Baby Friendly Hospital.

Poster presented at the 2001 Annual Biomedical Research Conference for Minority Students (ABRCMS).

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Publications

Jimenez L, **Rivera ML**, Ferra S, Colon LE, Carro E. Prolactinoma with extensive amyloid deposits: a case report. P R Health Sci J. 2008 Dec; 27(4):343-345.

Rivera-Zengotita M, Illner A, Adesina AM: Malignant epithelioid glioneuronal tumors; In Adesina, AM, Tihan T, Fuller C, Poussaint TY (Editors): Atlas of Pediatric Brain Tumors. Publisher - Humana Press. *In Press*

Rivera-Zengotita M, Illner A, Adesina AM: Papillary glioneuronal tumors; In Adesina, AM, Tihan T, Fuller C, Poussaint TY (Editors): Atlas of Pediatric Brain Tumors. Publisher - Humana Press. *In Press*

Rivera-Zengotita M, Illner A, Adesina AM: Rosette forming glioneuronal tumors; In Adesina, AM, Tihan T, Fuller C, Poussaint TY (Editors): Atlas of Pediatric Brain Tumors. Publisher - Springer. *In Press*

Marie Rivera-Zengotita, M.D., Vidya Mehta, M.S., William James Craigen, M.D., Ph.D., Fernando Scaglia, M.D., Meena Bhattacharjee, M.D., Lee-Jun Wong, Ph.D., and Adekunle M. Adesina, M.D., PhD. Immunofluorescence (IF) assay as an adjunctive tool for diagnosis of mitochondrial myopathy. *In preparation*

Extracurricular Activities

2006-2007 **Pathology Chairman Search Committee**, University of Puerto Rico Medical Sciences Campus

2006 **Internal Residency Review Process Workshop**, University of Puerto Rico Medical Sciences Campus

2003 **Student representative at Senate of Puerto Rico public hearings**
Selected to represent student body point-of-views at Senate of Puerto Rico public hearings regarding the endowment, to the Ponce School of Medicine, of land next to the Institution which is currently held by the Puerto Rico National Guard at Ponce.

Class of 2004 Graduation Committee
Help in organization of activities for Ponce School of Medicine Class of 2004 graduation week.

2002-2003 **Advanced Standing Student Admissions Committee**
Appointed by Dr. Manuel Martínez Maldonado, President and Dean of Ponce School of Medicine.

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- 2002 **Welcoming Committee Ponce School of Medicine 25th Anniversary Cocktail Party**
Served as an usher receiving guests to the cocktail party.
- Pathology Course Discussion Reunion**
Meeting with the Pathology Department Director to discuss the current Pathology course curriculum.
- 2001-2003 **Ponce School of Medicine Orientation week period**
Selected to speak of personal and academic experiences during medical school years to family members of newly incoming Ponce School of Medicine students.
- 2001 **Educational Programs Committee of Liaison Committee on Medical Education (LCME) Self-Study**
Contributed in the development of Ponce School of Medicine's self-study as a requirement for accreditation by LCME.
- 1999 **Chemistry Curriculum Committee**
Participated in discussions with chemistry professors to reform the Chemistry Major curriculum.
- Chemistry Department Delegate for *Diálogo Interdisciplinario***
Participated in the development of a study regarding College of Science students' point of views pertaining to the Universities' social impact in the community in relation to the celebration of the 50th Anniversary of the Institution.
- 1998-2003 **Various Service Activities**
Participated in several community service activities including Health Fair at Plaza del Caribe, Ponce, Puerto Rico and volunteer to examine the Naval Sea Cadets in San German, Puerto Rico.
- 1998-2000 **Chemistry Club Member, Pontifical Catholic University of Puerto Rico Chapter Affiliated to the American Chemical Society**
- 1998 **College of Science representative in 50th Anniversary activities**
Selected to represent College of Science during 50th Anniversary Pontifical Mass. Served as an usher during the 50th Anniversary Banquet.

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Professional Organizations

2009	American Association of Neuropathologists
2008-Present	United States and Canadian Academy of Pathology
2007-Present	Colegio de Médicos y Cirujanos de Puerto Rico
2006-2007	Academy of Pathology and Laboratory Medicine of Puerto Rico
2004-Present	American Society for Clinical Pathology (Fellow) College of American Pathologists (Fellow)
2002-Present	American Medical Student Association (Member)

Languages

Spanish, native language
English, fluent