

Juan B. Rodríguez Molina  
[rodriguezmol@wisc.edu](mailto:rodriguezmol@wisc.edu)

502 Eagle Heights Apt. F  
Madison WI, 53705  
Cel. 407-433-5178

**Education:**

B.S. Industrial Biotechnology, University of Puerto Rico-Mayagüez (UPRM), **2007**.

Ph.D. Biochemistry Student, University of Wisconsin-Madison, **2007-**

**Honors, Awards and Fellowships:**

- Genomic Sciences Training Program Predoctoral Traineeship, 2008-
- Advance Opportunity Fellowship, University of Wisconsin-Madison, **2007**.
- Magna Cum Laude, UPRM, **2007**.
- Sloan Undergraduate Research Program, UPRM, **2006, 2007**.
- Undergraduate Poster Competition 3<sup>rd</sup> Place Award, American Society for Cell Biology (ASCB) Minority Affairs Committee (MAC), **2006**.
- ASCB MAC Travel Award, **2006**.
- National Collegiate in the Biological Sciences Award, U.S. Achievement Academy, **2006**.
- CBIA/Pfizer Undergraduate Research Fellowship, UPRM, **2006**.
- Puerto Rico Louis Stokes Access for Minority Participation (PR-LSAMP) Fellowship, UPRM, January **2005**, August **2004**.

**Research Experience:**

- Ansari laboratory, University of Wisconsin-Madison: mechanisms by which global gene expression is regulated by kin28, an essential kinase
- Isolation and Characterization of Bioluminescent Bacteria from Marine Environments of Puerto Rico, *UPRM*, **2003-2007**.
- Generating amino acid substitutions to alter the activity and response specificity of the anti-sigma factor, ChrR, *University of Wisconsin-Madison*, June–August **2006**.

- Validation of primer combination for implementation of RT-PCR based technology for rapid microbial contaminant identification, *Pfizer Global Research and Development*, June –August **2005**.
- Determining the importance of the Cys residues in an aminoacyl-tRNA-protein transferase, *University-Colorado-Boulder*, June–August **2004**.

### **Presentations:**

Annual Sigma XI (Local Chapter) Symposia, UPRM, **2004, 2005, 2006, 2007**.

American Society for Cell Biology Annual Conference, San Diego, CA, **2006**.

Annual Biomedical Conference for Minority Students, Anaheim, CA, **2006**.

Well Characterized Biotechnology Products Annual Conference, San Francisco, CA, **2006**.

Puerto Rico Interdisciplinary Scientific Meeting (PRISM), UPRM, **2005**.

Leadership Alliance National Conference, Chantilly, VA., **2004**.

### **Special Courses:**

Methods in Biochemistry, University of Wisconsin-Madison, 2007.

Structure and Function of Proteins and Enzymes, University of Wisconsin-Madison, 2007.

Plant Biotechnology, UPRM, 2007.

Introductory Biophysics, UPRM, 2006.

Plasmid Biology and Technology, UPRM, 2006.

Bacterial Genetics, UPRM, 2006.

### **Workshops:**

Bacterial Genetics Workshop Instructor, Project Leader: Dr. Carlos Ríos Velázquez, 2007.

Ethics Workshop Assistant, Project Leader: Dr. Carlos Ríos Velázquez, 2007.

### **Volunteer Work:**

Science Fair Judge, 2007.

Invited Speaker at High School Scientific Meeting, 2007.

### **Computer Skills:**

Microsoft Office (PowerPoint, Word, Excel)

Adobe Photoshop and Illustrator

Programming Language: Python

Molecular Graphics: Pymol and VMD

**Languages:**

Spanish (native)

English (fluent, read, write)

**References upon request from the following:**

Dr. Carlos Ríos-Velázquez, Biology, UPRM.

Dr. Timothy Donohue, University of Wisconsin-Madison.

Dr. Claudio Denoya, Pfizer Global Research and Development, Groton, CT.

Dr. Alexey Wolfson, Chemistry & Biochemistry, University of Colorado-Boulder.

Dr. Rosa Buxeda, Industrial Biotechnology Program, UPRM.

Dr. Doris Ramirez, Sloan Undergraduate Research Program, UPRM.