Curriculum Vitae
Angel A. Martí
Department of Chemistry, Rice University, Houston, TX, 77005

PERSONAL DATA

Name: Angel A. Martí, Ph.D.

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RESEARCH EXPERIENCE

July 2008 – Present	*Assistant Professor of Chemistry and Bioengineering*, Rice University, Houston, TX
August 2004 – June 2008	*Post-Doctoral Research Associate*, Columbia University, New York, NY, Advisor: Nick Turro
August 1999 – May 2004	*Graduate Research Assistant*, University of Puerto Rico, Río Piedras Campus, Puerto Rico, Advisor: Jorge L. Colón, Ph.D.
	Thesis Title: Photophysical and photochemical studies of luminescent molecules directly ion exchanged into zirconium phosphate materials.
June 1996 – August 1999	*Undergraduate Research Assistant*, University of Puerto Rico, Río Piedras Campus, Puerto Rico, Advisor: Prof. Jorge L. Colón
	Research: Purification and characterization of *Lucina Pectinata* hemoglobins

EDUCATION

August 2004 – June 2008	Post-Doctoral Research Scientist, Columbia University, New York, NY, Advisor: Nick Turro
August 1999 – May 2004	Ph.D., Inorganic Chemistry, University of Puerto Rico, Río Piedras Campus, Advisor: Prof. Jorge L. Colón
August 1994 – May 1999	BS, Chemistry, University of Puerto Rico, Río Piedras Campus, 1999

TEACHING EXPERIENCE

August 2003 – August 2004	Project coordinator assistant, PR LS-AMP Bridge to the Doctorate Graduate Student Fellowships
August 2002 – August 2004	Workshop speaker, Puerto Rico Statewide Systemic Initiative (PRSSI) and Puerto Rico-2000 Institute (PR-2000)
August 2000 – May 2002	Science consultant, University of Puerto Rico and Department of Education

August 2000 – August 2004	Workshop speaker, Puerto Rico Louis Stokes Alliance for Minority Participation (PR LS-AMP)
August 1999 – May 2000	Teacher assistant, University of Puerto Rico, Río Piedras: General Chemistry

Biography

Angel A. Martí obtained his Ph.D degree in 2004 from the University of Puerto Rico in Río Piedras with Prof. Jorge Colón, where he held the NSF Graduate Teaching Fellowship in K-12 Education and NIH-RISE fellowship; here he studied the photophysical properties of metal complexes immobilized in layered zirconium phosphate materials. In 2004 he joined Prof. Nicholas Turro's research group at Columbia University, in New York, as a postdoctoral research scientist, where he worked in the development of fluorescent probes for the detection of trace amounts of DNA and RNA in vivo and in vitro, and in supramolecular systems. In July 2008, Dr. Angel Martí joined the department of Chemistry at Rice University in Houston. Currently he is interested in developing multifunctional photoactive molecules with applications in oligonucleotide detection, medical treatments, proteolysis and sensors, and in the development of new nanomaterials.

PUBLICATIONS (with affiliation to Rice University)

41. Cook, N. P.; Ozbil, M.; Katsampes, C.; Prabhakar, R.; Martí, A. A. Unraveling the Photoluminescence Response of Light-Switching Ruthenium(II) Complexes Bound to Amyloid-β *J. Am. Chem. Soc.* **2013**, *DOI: 10.1021/ja404850u*.

40. Jiang, C.; Saha, A.; Changsheng, X.; Young, C.; Tour, J. M.; Pasquali, M.; Martí, A. A. Increased Solubility, Diameter Selectivity and Liquid Crystalline Phase of Single-Walled Carbon Nanotube Polyelectrolyte Dispersions, *ACS Nano* **2013**, *7*, 4503-4510.

39. Diaz, A.; Mosby, B.; Bakhmutov, V.; Martí, A. A.; Batteas, J.; Clearfield, A. Self Assembled Monolayers Based Upon a Zirconium Phosphate Platform *Chem. Mater.* **2013**, *25*, 723-728.

38. Cook, N. P.; Archer, C. M.; Fewver, J. N.; Schall, H. E.; Rodriguez-Rivera, J.; Dineley, K. T.; Martí, A. A.; Murray, V. J. Ruthenium Red colorimetric and Birefringent Staining of Amyloid β Aggregates *In* Vitro and in Tg 2576 Mice *ACS Chem. Neurosci.* **2013**, *4*, 379-384.

37. Cook, N. P.; Kilpatric, K.; Segatori, L.; Martí, A. A. Detection of α-Synuclein Amyloidogenic Aggregates In Vitro and in Cells using Light-Switching Dipyridophenazine Ruthenium(II) Complexes *J. Am. Chem. Soc.*, **2012**, *134*, 20776-20782.

36. Huang, K.; Bulik, I.; Martí, A. A. Time-Resolved Photoluminescence Spectroscopy for the Detection of Cysteine and Other Thiol Containing Amino Acids in Complex Strong Autofluorescent Media *Chem. Commun.* ***2012***, *48*, 11760-11762.

35. Cook, N. P.; Martí, A. A. Facile Methodology for Monitoring Amyloid-β Fibrillization *ACS Chem. Neurosci.* **2012**, *3*, 896-899.

34. Gupta, B. K. Narayanan, T. N. Vithayathil, S. A. Lee, Y. Koshy, S. Reddy, A. L. M. Saha, A. Shanker, V. Singh, V. N. Kaipparettu, B. A. Martí, A. A. Ajayan, P. M. Highly Luminescent-Paramagnetic Nanophosphor Probes for In Vitro High-Contrast Imaging of Human Breast Cancer Cells. *Small* **2012**, *8*, 3028-3034.

33. Huang, K; Martí, A. A. Optimizing the Sensitivity of Photoluminescent Probes using Time-Resolved Spectroscopy: A Molecular Beacon Case Study *Anal. Chem.* **2012**, *84*, 8075-8082.

32. Saha, A.; Ghosh, S.; Weisman, R. B.; Martí, A. A. Films of Bare Single-Walled Carbon Nanotubes from Superacids with Tailored Electronic and Photoluminescence Properties *ACS Nano*, **2012***, 6,* 5727-5734.

31. Reddy, A. L. M.; Gupta, B. K.; Narayanan, T. N.; Martí, A. A.; Ajayan P. M.; Walker, G. C. Probing on Time-Resolved and Photoluminescence Spectroscopy of Ni Encapsulated Ferromagnetic Boron Nitride Nanotubes *J. Phys. Chem. C* **2012**, *116*, 12803-12809.

30. Peng, J.; Gao, W.; Gupta, B. K.; Liu, Z.; Romero-Aburto, R.; Ge, L.; Song, L.; Alemany, L. B.; Zahn, X.; Gao, G.; Vithayathil, S. A.; Kaipparettu, B. A.; Martí, A. A.; Hayashi, T.; Zhu, J. -J.; Ajayan, P. M. Graphene Quantum Dots Derived from Carbon Fibers *Nano Lett.* **2012**, *11*, 5227-5233.

29. Huang, K.; Martí, A. A. Newer Trends in Molecular Beacons Design and Application. *Anal. Bioanal. Chem.* **2012**, *402*, 3091-3102.

28. Gupta, B. K.; Thanikaivelan, P.; Narayanan, T. N.; Song, L.; Gao, W.; Hayashi, T.; Saha, A.; Shanker, V.; Endo, M.; Martí, A. A.; Ajayan, P. M. Optical Bi-functionality of Europium Complexed Luminescent Graphene Nanosheets. *Nano Lett.* **2011,** *11*, 5227-5232.

27. Cook, N.; Torres, V.; Jain, D.; Martí, A. A. Sensing Amyloid-β Aggregation using Luminescent Dipyridophenazine Ruthenium (II) Complexes, *J. Am. Chem. Soc.* **2011**, *133*, 11121-11123.

26. Saha, A.; Ghosh, S.; Behabtu, N.; Pasquali, M.; Martí, A. A. Single-Walled Carbon Nanotubes Shell Decorating Porous Silicate Materials: A General Platform for Studying the Interaction of Carbon Nanotubes with Photoactive Molecules, *Chem. Sci.* **2011**, *2*, 1682-1687.

25. Gupta, B. K.; Rathee, V.; Narayanan, T. N.; Thanikaivelan, P.; Saha, A.; Govind, S.; Singh, P.; Shanker, V.; Martí, A. A.; Ajayan, P. M. Probing a Bifunctional Luminomagnetic Nanophosphor for Biological Applications: a Photoluminescence and Time-Resolved Spectroscopic Study. *Small*, **2011**, *7*, 1767-1773.

24. Jain, D.; Saha, A.; Martí, A. A. Non-Covalent Ruthenium Polypyridyl Complexes-Carbon Nanotubes Composites: An Alternative for Functional Dissolution of Carbon Nanotubes in Solution, *Chem. Commun.* **2011**, *47,* 2246-2248.

23. Martí, A. A.; Colón J. L. Photophysical Characterization of the Interactions among Tris(2,2´-bipyridine)ruthenium(II) Ion-Exchanged into Zirconium Phosphate, *Inorg. Chem.*, **2010,** *49,* 7298-7303.

22. Chen, J. Y. -C.; Martí, A. A.; Turro, N. J.; Komatsu, K.; Murata, Y.; Lawler, R. G. Comparative NMR Properties of H_2 & HD in Toluene-d8 and H_2/HD@C_{60}. *J. Phys. Chem. B*, **2010**, *114*, 14689-14695.

21. Turro, N. J.; Chen, J.; Sartori, E.; Ruzzi, M.; Martí, A. A.; Lawler, R.; Jockusch, S.; Lopez-Gejo, J.; Komatsu, K.; Murata, Y. "The Spin Chemistry and Magnetic Resonance of H_2@C_{60}. From the Pauli Principle to Trapping a Nuclear Excited State Inside a Buckyball", *Acc. Chem. Res.,* **2010**, *43, 335-345*.

20. Martí A. A.; Turro, N. J. Fluorescent Responsive Probes for Oligonucleotide Detection. In *Chemical Evolution II: From Origins of Life to Modern Society*; American Chemical Society: Washington DC, **2009**, *vol. 1025*, Chapter 14, 269-282.

19. O'Connor, N., Stevens, N., Samaroo, D., Solomon, M., Martí, A. A., Dyer, J., Vishwasrao, H., Akins, D. L., Kandel, E. R., Turro, N. J. Photophysical characterisation of a covalently linked phenanthridine-ruthenium(II) complex fluorescent RNA probe, *Chem. Commun.* **2009**, *45*, 2640-2642.

PUBLICATIONS (with affiliation to the University of Puerto Rico and Columbia University, NY)

18. Lancaster, J. R.; Martí A. A.; López-Gejo, J.; Jockusch, S.; O'Connor, N., Turro, N. J. Non-radiative Deactivation of Singlet Oxygen ($^1O_2$) by Cubane and its Derivatives. *Org. Lett.* **2008** *10*, 5509-5512.

17. Turro, N. J.; Martí, A. A.; Chen, J. Y. -C.; Jockusch, S.; Lawler, R. G.; Ruzzi, M.; Sartori, E.; Chuang, S. -C.; Komatsu, K.; Murata, Y. Demonstration of a Chemical Transformation inside a Fullerene. The Reversible Conversion of the Allotropes of $H_2@C_{60}$ *J. Am. Chem. Soc.* **2008**, *130*, 10506-10507.

16. Wakata, A.; Cahill, S. M.; Blumenstein, M.; Gunby, R. H.; Jockusch, S.; Martí, A. A.; Cimbro, B. Gambacorti-Passerini, C.; Donella-Deana, A.; Pinna, L. A.; Turrro, N. J.; Lawrence, D. S. A Mechanistic Design Principle for Protein Tyrosine Kinase Sensors: Application to a Validated Cancer Target, *Org. Lett.* **2008**, *10,* 301-304.

15. Conlon, P.; Yang, C. J.; Wu, Y.; Chen, Y.; Martinez, K.; Tan, W.; Stevens, S.; Martí, A. A.; Jockusch, S.; Turro, N. J. Excimer Signaling Molecular Beacons for Probing Nucleic Acids *J. Am. Chem. Soc.* **2008**, *130,* 336-342.

14. López-Gejo, J.; Martí, A. A.; Ruzzi, M.; Jockusch, S.; Komatsu, K.; Murata, Y.; Turro, N. J. Can H_2 inside C_{60} communicate with the outside world? *J. Am. Chem. Soc.* **2007**, *129*, 14554-14555.

13. Martí, A. A.; Puckett, C.; Dyer, J.; Stevens, N.; Jockusch, S.; Ju, J.; Barton, J. K.; Turro, N. J. Inorganic-Organic Hybrid Luminescence Binary Probe for DNA Detection Based on Spin-Forbidden Resonance Energy Transfer *J. Am. Chem. Soc.* **2007**, *129,* 8680 - 8681.

12. Stevens, N.; Dyer, J.; Martí, A. A.; Solomon, M.; Jockusch, S.; Turro, N. J. FRETView: a computer program to simplify the process of obtaining fluorescence resonance energy transfer parameters, *Photochem. Photobiol. Sci.* **2007**, *6*, 909-911.

11. Martí, A. A.; Jockusch, S.; Stevens, N.; Ju, J.; Turro, N. J. Fluorescent hybridization probes for sensitive and selective DNA and RNA detection. *Acc. Chem. Res.* **2007**, *40*, 402 - 409.

10. Martí, A. A.; Rivera, N.; Soto, K.; Maldonado, L.; Colón, J. L. Intercalation of $Re(phen)(CO)_3Cl$ in a zirconium phosphate framework: a water insoluble inorganic complex immobilized in a highly polar lamellar matrix*, J. Chem. Soc. Dalton Trans.*, **2007**, 1713 - 1718.

9. Martí, A. A.; Li, X.; Jockusch, S.; Stevens, N.; Li, Z.; Raveendra, B.; Kalachikov, S.; Morozova, I.; Russo, J. J.; Akins, D. L.; Ju, J.; Turro, N. J. Design and characterization of two-dye and three dye binary fluorescent probes for mRNA detection. *Tetrahedron* **2007**, *63*, 3591 – 3600.

8. Martí, A. A.; Paralitici, G.; Maldonado, L.; Colón, J. L.; Photophysical characterization of methyl viologen ion-exchanged into a zirconium phosphate framework, *Inorg. Chim. Acta* **2007**, *360*, 1535 - 1542.

7. Tremblay, M. S.; Zhu, Q.; Martí, A. A.; Dyer, J.; Halim, M.; Jockusch, S.; Turro, N. J.; Sames, D. Phosphorilation state-responsive lanthanide peptide conjugates: a luminescence switch based on reversible complex reorganization. *Org. Lett.* **2006**, *8*, 2723-2726.

6. Li, X.; Li, Z.; Martí, A. A.; Jockusch, S.; Stevens, N.; Akins, D. L.; Turro, N. J.; Ju, J. Combinatorial fluorescence energy transfer molecular beacon for probing nucleic acid sequences. *Photochem. Photobiol. Sci.* **2006**, *5*, 896 - 902.

5. Martí, A. A.; Li, X.; Jockusch, S.; Li, Z.; Raveendra, B.; Kalachikov, S.; Russo, J. J.; Morozova, I.; Puthanveettil, S. V.; Ju, J.; Turro, N. J. Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. *Nucleic Acids Res.* **2006**, *34*, 3161 - 3168.
4. Jockusch, S.; Martí, A. A.; Turro, N. J.; Li, Z.; Li, X.; Ju, J.; Stevens, N.; Akins, D. L. Spectroscopic investigation of a FRET molecular beacon containing two fluorophores for probing DNA/RNA sequences. *Photochem. Photobiol. Sci.* **2006**, *5*, 493 - 498.
3. Martí, A. A., Jockusch, S., Li, Z., Ju, J., Turro, N. J. Molecular beacons with intrinsically fluorescent deoxyribonucleic acids bases, *Nucleic Acids Res.* **2006**, 34, e50.
2. Martí, A. A.; Mezei, G., Maldonado, L.; Paralitici, G.; Raptis, R. G.; Colón, J. L. Structural and photophysical characterization of *fac*-tricarbonylchloro-1,10-phenanthroline-5,6-epoxiderhenium(I), *Eur. J. Inorg. Chem.* **2005**, 2005, 118 - 124.
1. Martí, A. A.; Colón, J. L. Direct ion exchange of tris(2,2'-bipyridine)ruthenium(II) into an alpha-zirconium phosphate framework*, Inorg. Chem.* **2003**, 42, 2830 - 2832.

PATENTS:

1. Marti-Arbona, A. A.; Jiang, C.; Saha, A.; Pasquali, M.; Young, C. Liquid Crystals from Single-Walled Carbon Nanotube Polyelectrolytes and their use for making materials such as fibers and films; United State Patent and Trademark Office; Provisional Patent: 61773371, **2013.**
2. Marti-Arbona, A. A.; Saha, A.; Hanna, T.; Panos, Z.; Huang, K.; Hernández-Rivera, M. Identifying solvent vapors using a spectroscopic 3-dimensional solvent map; United State Patent and Trademark Office; Provisional Patent: 61832399, **2013.**
3. Marti-Arbona, A. A.; Saha, A.; Pasquali, M. Immobilized Carbon Nanotubes on Various Surfaces. World Intellectual Property Organization; WO 2011/085363 A1, **2011**.

AWARDS:

- Sigma Xi Full Member, 2011
- Norman Hackerman-Welch Young Investigator, 2008
- Carl Storm Underrepresented Minority Fellowship, Gordon Research Conference on Photochemistry, Rhode Island, 2007.
- Best Poster in Inorganic Chemistry, 60th Puerto Rico Chemical Conference, PRCHEM 2003, Río Grande, PR 2003.
- American Chemical Society, Division of Inorganic Chemistry Travel Award, ACS National Meeting, Boston, 2002.
- NIH/RISE research fellowship, 2002-2004
- NSF GK-12 graduate fellowship 2000-2002
- Alliance for Minority Participation (AMP) Excellence award, 1996-1999.

- NIH/SUBE research fellowship, 1996-1999.

PROFESIONAL MEMBERSHIPS

- American Chemical Society, 2001-present
- Sigma Xi, 2011-present
- Inter-American Photochemical Society, 2012-present
- American Society for Photobiology, 2013-present

ORAL PRESENTATIONS

1. Light Switching Complexes, Neurodegenerative Diseases and Amyloid Aggregates: The Good, the Bad, and the Ugly, University of Chicago, Chicago, IL, March 2013.
2. Photoluminescent Light-Switching Complexes as Probes for the Aggregation of Amyloid Proteins, Diversity Student-Hosted Seminar, Texas A&M, College Station, TX, February 2013.
3. Photoluminescent Light-Switching Complexes as Probes for the Aggregation of Amyloid Proteins, University of Houston, Houston, TX, January 2013.
4. Recent Advances in the Use of Photoluminescent Ruthenium(II) Dipyridophenazine Complexes to Monitor Different Aggregation States of Amyloid β Peptides, 68th Southwest Regional Meeting: Symposium - Chemical and Structural Biology: New Frontiers in Therapeutic Development, Baton Rouge, TX, November 2012.
5. Light Switching Complexes, Neurodegenerative Diseases and Amyloid Aggregates: The Good, the Bad, and the Ugly, Baylor University, Waco, TX, October 2012.
6. Light Switching Complexes, Neurodegenerative Diseases and Amyloid Aggregates: The Good, the Bad, and the Ugly, Texas State University-San Marcos, TX, October 2012.
7. Telling the Secrets of Time-Gating for the Enhancement of the Sensitivity of Photoluminescent Probes, Instrumentation and Applications of Fluorescence Spectroscopy Symposium, Houston, TX, September 2012.
8. Light Switching Complexes, Neurodegenerative Diseases and Amyloid Aggregates: The Good, the Bad, and the Ugly, North Dakota State University, September 2012.
9. Monitoring of Amyloid Protein Fibrillization using Dipyridophenazine Ruthenium (II) Complexes, West Michigan University, Kalamazoo, MI, November 2011.
10. Superacids, Supramolecular Frameworks and Super-Duper Carbon Nanotechnology, University of Puerto Rico, Río Piedras, August 2011.
11. Monitoring of Amyloid Protein Fibrillization using Dipyridophenazine Ruthenium (II) Complexes, Gordon Research Conference (Photochemistry), Stonehill College, MA, July 2011.
12. Amyloid degradation by artificial peptidases, Invited by programs Marc and Sube, University of Puerto, Río Piedras, November 2009.
13. Martí, A. A.; Turro, N. J.; Chen, J. Y.-C.; Jockusch, S.; Ruzzi, M.; Sartori, E.; Lawler, R. G.; Chuang, S.-C.; Komatsu, K.; Murata, Y. Conversations between molecular hydrogen and oxygen through the walls of C_{60}. The Reversible Conversion of the Allotropes of $H_2@C_{60}$. Presented at the Symposium on $H_2@C_{60}$, Columbia University, New York, NY, August 2008.

14. Martí, A. A.; Turro, N. J. Fluorescent responsive molecular probes for oligonucleotide detection. Presented at the 235th ACS National Meeting, Chemical Evolution II Symposium, New Orleans, April 2008.
15. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, Rice University, Houston, TX, January 2008.
16. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, UCLA, Los Angeles, CA, January 2008.
17. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, University of Miami, Miami, Fl, December 2007.
18. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, University of Georgia, Athens, GA, November 2007.
19. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, College of Staten Island, New York, NY, November 2007.
20. Martí, A. A. (Faculty Interview) Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy, Hunter College, New York, NY, September 2007.
21. Martí, A. A.; Puckett, C.; Dyer, J.; Stevens, N.; Jockusch, S.; Ju, J.; Barton, J. K.; Turro, N. J. Spin-forbidden resonance energy transfer probes for DNA detection. Presented at the Ninth Annual Wyeth/Columbia Workshop, Columbia University, New York, NY, May 2007.
22. Martí, A. A.; Li, X.; Li, Z.; Jockusch, S.; Ju, J.; Turro, N. J. Unambiguous detection of specific mRNA sequences using binary probes and time-resolved fluorescence spectroscopy. Presented at the Department of Chemistry, Columbia University, New York, NY, April 2006.
23. Martí, A. A.; Li, X.; Li, Z.; Jockusch, S.; Ju, J.; Turro, N. J. Pyrene-based binary probes for oligonucleotides detection. Presented at the Eighth Annual Wyeth/Columbia Workshop, Columbia University, New York, NY, May 2006.
24. Martí, A. A.; Jockusch, S.; Li, Z.; Li, X.; Stevens, N.; Akins, D. L.; Turro, N. J.; Ju, J. The design of molecular beacons for mRNA analysis. Seventh Annual Wyeth/Columbia Workshop, Columbia University, New York, NY, May 2005.
25. Martí, A. A.; Li, Z.; Jockusch, S.; Ju, J.; Turro, N. J. DNA detection using molecular beacons with fluorescent bases. Presented at the Summer Summit of the Center of Excellence in Genomic Sciences, San Juan, PR, June 2005.
26. Martí, A. A. Photophysical and photochemical studies of luminescent molecules directly intercalated into zirconium phosphate. University of Puerto Rico, Río Piedras, PR, May 2004 (*Thesis defense)*.
27. Martí, A. A.; Colón, J. L. Nanoencapsulation of tris(2,2'-bipyridyl)ruthenium(II) by an alpha-zirconium phosphate framework: toward long-lived light-induced charge separation. Presented at the Puerto Rico ACS Local Section Meeting, Isabela PR, 2004.

28. Martí, A. A.; Colón, J. L. Direct intercalation and spectroscopic characterization of luminescent molecules in alpha-zirconium phosphate materials. Presented at the SACNAS National Conference, Albuquerque, NM, 2003.

POSTER PRESENTATIONS

1. Martí, A. A.; Puckett, C.; Dyer, J.; Stevens, N.; Jockusch, S.; Ju, J.; Barton, J. K.; Turro, N. J. Spin-Forbidden Resonance Energy Transfer Probes for DNA Detection, Presented at the Gordon Research Conference on Photochemistry, Smithfield, RI, July 2007.
2. Martí, A. A.; Li, Z.; Dyer, J.; Jockusch, S.; Puckett, C.; Stevens, N.; Kalachikov, S.; Morozova, I.; Russo, J.; Lovell, P.; Ha, T.; Kohn, A.; Barton, J.; Moroz, L. ; Turro, N. J.; Ju, J. Novel fluorescent probes for the detection of mRNA in living cells. Presented at the NIH Centers of Excellence in Genomic Science Fourth Annual Grantee Meeting at the University of Southern California, Los Angeles, CA, September 2006.
3. Martí, A. A.; Li, X.; Li, Z.; Raveendra, B.; Jockusch, S.; Kalachikov, S.; Morozova, I.; Russo, J.; Lovell, P.; Heyland, A.; Kohn, A.; Puthanveetil, S.; Kandel, E.; Moroz, L.; Turro, N. J.; Ju, J. Unambiguous Detection of Sensorin mRNA Using Binary Probes. Presented at the NIH Centers of Excellence in Genomic Science Third Annual Grantee Meeting at YALE, New Haven, CT, November 2005.
4. Martí, A. A.; Colón, J. L. Nanoencapsulation of tris(2,2'-bipyridyl)ruthenium(II) by an a-zirconium phosphate framework: toward long-lived light-induced charge separation. Presented at 227th ACS National Meeting, Anaheim, CA, 2004, Poster INOR 557.
5. Martí, A. A.; Colón, J. L. Nanoencapsulation of tris(2,2'-bipyridyl)ruthenium(II) by an a-zirconium phosphate framework: toward long-lived light-induced charge separation. Presented at the 60th Puerto Rico Chemical Conference, PRCHEM 2003, Río Grande, PR, 2003; INOR 14.
6. Martí, A. A.; Colón, J. L. Ion exchange of tris(2,2'-bipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. Presented at The 2nd RISE Area Conference Bioactive Molecules from Nature: The Road To Drug Discovery Design, University of Puerto Rico, Río Piedras Campus, PR, 2003.
7. Martí A. A.; Colón J. L. Ion exchange of tris(2,2'-bipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. Presented at the Annual Biochemistry Research Conference for Minority Students, New Orleans, LA, 2002; Poster 497.
8. Martí A. A.; Rivera, N.; Paraliticci, G.; Soto, K.; Colón, J. Direct ion exchange of tris(2,2'-bipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. Presented at the SACNAS National Conference, Anaheim, CA, 2002; Poster 209.
9. Martí A. A.; Rivera, N.; Paraliticci, G.; Soto, K.; Colón, J. Direct intercalation and spectroscopic characterization of luminescent molecules in a-zirconium phosphate material. Presented at the 224th ACS National Meeting, Boston, MA, 2002; Poster INOR 0084.