

Juliana Ramos Delgado

Spell out acronyms the 1st time you use them

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Ok to combine these two categories or keep them separate

Education and Research Experience

Postdoctoral Fellow

June 2005 to present

National Institute of Environmental Health Sciences–NIH, RTP, NC

- Supervisor: Dr. Thomas A. Darden
- Projects: Development of a forcefield based on density fitting; Computational studies of DNA polymerases.

Ph.D. in Chemistry

April 2005

Duke University, Durham, NC

- Advisor: Prof. Weitao Yang
- Dissertation Title: “QM/MM computational studies and theoretical development: The reaction mechanism of 4-oxalocrotonate tautomerase”

B.Sc. in Chemistry

April 2000

Universidad Nacional Autónoma de México (UNAM), Mexico City, México

- Advisor: Prof. Miguel Castro–Martínez
- Thesis Title: “Study of the Structural and Electronic Properties of Ni_n ($n \leq 4$) Clusters”

Scholarships and Awards

2007 Winner; Emerging Technologies in Computational Chemistry Competition Symposium, 234th ACS National Meeting.

2007 IBM–Löwdin Fellowship, Quantum Theory Project, University of Florida.

2006 Carl Storm Fellowship, Gordon Research Conferences.

2004 Best Graduate Student Poster, 44th Sanibel Symposium.

1999–2002 Scholarship from the Consejo Nacional de Ciencia y Tecnología, (CONACyT).

1995–1999 Scholarship from the Supercomputing Center–UNAM (DGSCA/ UNAM).

Teaching and Mentoring Experience

Important to list teaching/mentoring exp early or on 1st page if applying to teaching-focused positions

Invited Lecturer for one lecture, Chemistry 22 “General Chemistry,” Department of Chemistry, Duke University, Summer 2007.

Graduate Student Mentor for one independent study undergraduate research student, Department of Chemistry, Duke University, Fall 2003.

Teaching Assistant, Gaussian98 lab for graduate course Chem 203.1 “Introduction to Quantum Mechanics I,” Department of Chemistry, Duke University, Fall 1999.

Lead Instructor, Workshop: Introduction to UniChem, in “First Autumn School in Computational Chemistry,” Mexico City, November 12 and 13, 1998.

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Important to include a header on every page

Invited Talks

Laboratory of Computational Biology (LCB) group meeting, “Catalytic mechanism of human DNA polymerase λ with Mg^{2+} and Mn^{2+} from *ab initio* QM/MM studies”, LCB, NHLBI–NIH, Bethesda, MD, April 2008.

Physical Chemistry seminar series, “QM/MM theoretical study of enzymatic reaction mechanisms”, Centro de Investigación y Estudios Avanzados–IPN, Department of Chemistry, Mexico City, August 2007.

Theoretical Chemistry seminar series, “QM/MM computational studies and theoretical development: The reaction mechanism of 4–oxalocrotonate tautomerase”, Universidad Nacional Autónoma de México (UNAM), Department of Chemistry, Mexico City, March 2005.

Physical Chemistry seminar, “QM/MM computational studies and theoretical development: The reaction mechanism of 4–oxalocrotonate tautomerase”, Universidad Autónoma Metropolitana (UAM), Department of Chemistry, Mexico City, March 2005.

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Congresses and Symposia

Punctuation (commas, semi-colons, etc.) go *inside* quote marks

Talks

“The Gaussian electrostatic model: Towards a molecular density based force field”; Thirteenth International Workshop on Quantum Systems in Chemistry and Physics, East Lansing, MI, July 2008.

“Generalization of the Gaussian Electrostatic Model: A molecular density based force field”; Emerging Technologies in Computational Chemistry Competition, 234th ACS National Meeting, Boston, MA, August 2007.

“Extensions of the Gaussian Electrostatic Model”, 121st NC–ACS Sectional Conference, Durham, NC, April 2007.

“Towards a force field based on density fitting”; Thomas Kuhn Paradigm Shift Award Competition, 231st ACS National Meeting, Atlanta, GA, March 2006.

“Protein Backbone Contributions to 4–Oxalocrotonate Tautomerase Catalysis: Understanding from Experiment and Theory”, 118th NC–ACS Sectional Conference, Durham, NC, April 2004.

Posters

“Catalytic mechanism of human DNA polymerase λ with Mg^{2+} and Mn^{2+} from *ab initio* QM/MM studies”; 32nd Reaction Mechanisms Conference, Chapel Hill, NC, June 2008.

“Generalization of the Gaussian Electrostatic Model: A force field based on density fitting”; 47th Sanibel Symposium, St. Simons Island, GA, February 2007.

“Generalization of the density fitting based Gaussian Electrostatic Model: Extension to arbitrary angular moment, distributed multipoles and computational speedup”, Computational Chemistry GRC, Les Diablerets, Switzerland, October 2006.

“Molecular Properties from Density Fitting: Part I”; 45th Sanibel Symposium, St. Simons Island, GA, March 2005.

“Protein Backbone Contributions to 4–Oxalocrotonate Tautomerase Catalysis: Understanding from Experiment and Theory”; 44th Sanibel Symposium, St. Augustine, FL, March 2004.

“QM/MM Study of the Reaction Mechanism of 4–Oxalocrotonate Tautomerase”; 223rd ACS National Meeting, Orlando, FL, April 2002.

“DFT Study of the Structural and Electronic Properties of Small Ni_n (n=2–4) Clusters”; XXXIX Sanibel Symposium, St. Augustine, FL, March 1999.

Service

Invited Volunteer Speaker, Phillips Middle School, Chapel Hill, NC, Oct. 2007 and Brentwood Elementary School, Raleigh, NC, March 2008.

Panelist, Howard Hughes Summer Program–Career Panel, Biology Department, Duke University, July 2007.

Chief Reviewer, Chemistry and Biophysics study section, “Fellows Award for Research Excellence” (FARE) competition, National Institutes of Health 2006.

Graduate Student Assistant, “Chemistry for Executives” Program, Department of Chemistry, Duke University, Summer 2000.

Organizing Committee Member, “First Autumn School in Computational Chemistry”, Mexico City, November 1998.

Review Service to Granting Agencies

Petroleum Research Fund–American Chemical Society

Review Service to Professional Journals

Journal of Molecular Graphics and Modeling

Chemical Physics

Journal of the American Chemical Society

Impressive subheadings.
Dates here would also
be helpful.

Professional Affiliations

Sigma Xi

American Chemical Society

Phi Lambda Upsilon

Publications

1. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, Lozniak, J, “Title of Publication”, in *Book Title*, Editor Names, Publisher Name, 2008 (accepted).
2. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, Lozniak, J, “Title of Publication”, *Name of Journal*, in press, 2008.
3. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, Lozniak, J, Bickel, HW, “Title of Publication”, *Name of Journal*, **108**, 1905–1912, 2008.

4. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, “Title of Publication”, *Name of Journal*, **111**, 12049–12056, 2007.
5. Brown, TS, **Delgado J.R.**, Andrushkiw, G, Lee, WY, “Title of Publication”, *Name of Journal*, **3**, 1960–1986, 2007.
6. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G. “Title of Publication”, *Name of Journal*, **125**, 184101, 2006.
7. Brown, TS, Hollenbeck, KJ, **Delgado J.R.**, Lee, WY, Major, B, Lozniak, J. “Title of Publication”, *Name of Journal*, **125**, 054511, 2006.
8. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G. “Title of Publication”, *Name of Journal*, **110**, 13682–13684, 2006.
9. Brown, TS, **Delgado J.R.**, Andrushkiw, G, Lee, WY, Major, B. “Title of Publication”, *Name of Journal*, **124**, 104101, 2006.
10. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, “Title of Publication”, *Name of Journal*, **110** (2), 700–708, 2006.
11. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, “Title of Publication”, *Name of Journal*, **123**, 44109, 2005.
12. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, “Title of Publication”, *Name of Journal*, **122**, 114502, 2005.
13. Brown, TS, Hollenbeck, KJ, **Delgado J.R.**, Lee, WY, “Title of Publication”, *Name of Journal*, **121** (2), 697–706, 2004.
14. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, “Title of Publication”, *Name of Journal*, **43** (22), 6885–6892, 2004.
15. Brown, TS, **Delgado J.R.**, Andrushkiw, G, Lee, WY, “Title of Publication”, *Name of Journal*, **687** (2), 498–507, 2003.
16. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, Lee, WY. “Title of Publication”, *Name of Journal*, **125** (34), 10348–10393, 2003.
17. Brown, TS, Hollenbeck, KJ, Andrushkiw, G, **Delgado J.R.**, “Title of Publication”, *Name of Journal*, **80** (4–5), 609–622, 2000.
18. Brown, TS, Hollenbeck, KJ, Andrushkiw, G, Lee, WY, Major, B, **Delgado J.R.**, “Title of Publication”, *Name of Journal*, **57** (487), 180–184 May–Jun, 2000.
19. **Delgado J.R.**, Hollenbeck, KJ, Andrushkiw, G, “Title of Publication”, *Name of Journal*, **75** (4–5), 847–861, 1999.