

**Rigoberto Hernandez**  
Center for Computational Molecular Science & Technology  
School of Chemistry & Biochemistry  
Georgia Institute of Technology, Atlanta, GA 30332-0400

**Born:**

December 4, 1967, Güinez, Havana, Cuba

**EDUCATION:**

Ph.D. in Chemistry, U.C. Berkley, 1993 (thesis advisor: W. H. Miller)  
B.S.E. in Chemical Engineering and Mathematics, Princeton University, 1989  
*Magna Cum Laude*, (thesis Advisor: C. Fefferman)

**PROFESSIONAL EXPERIENCE:**

2000–present Codirector, Center for Computational Molecular Science & Technology  
1996–present Assistant Professor, School of Chemistry & Biochemistry

**ACADEMIC HONORS:**

Sigma Xi Southeast Regional Young Investigator (2002)  
Alfred P. Sloan Research Fellow (2000-2002)  
Sigma Xi Southeast Regional Young Investigator (2000)  
Cottrell Scholar (Research Corporation, 1999-2004)  
Sigma Xi Young Faculty Award (Georgia Tech, 1999)  
Blanchard Assistant Professor of Chemistry (1999-2001)  
NSF CAREER Award (1997-2002)

**GRADUATE AND POSTDOCTORAL ADVISING** (in past 5 years):

Ph.D. students: C. R. Locker, T. D. Shepherd, M. T. Vogt;  
Postdoctoral students: E. Herskovitz, F. L. Somer;  
3 Ph.D. students, and 2 postdoctoral fellows in all.

**CURRENT RESEARCH SUPPORT:**

National Science Foundation, Research Corporation, Sloan Foundation

**OTHER COLLABORATORS** (in past 48 months):

P. Doruker, J. Fourkas, R. L. Jernigan

**SELECTED PUBLICATIONS:**

1. “Stochastic dynamics in irreversible nonequilibrium environments. 1. The Fluctuation - Dissipation Relation,” R. Hernandez and F. L. Somer, Jr., *J. Phys. Chem. B* **103**, 1064 (1999)
2. “Stochastic dynamics in irreversible nonequilibrium environments. 2. A model for thermosetting polymerization,” R. Hernandez and F. L. Somer, Jr., *J. Phys. Chem. B* **103**, 1070 (1999).
4. “Stochastic dynamics in irreversible nonequilibrium environments. 3. Temperature-ramped chemical kinetics,” F. L. Somer, Jr., and R. Hernandez, *J. Phys. Chem. A* **103**, 11004 (1999).
5. “Stochastic dynamics in irreversible nonequilibrium environments. 4. Self-consistent coupling in heterogeneous environments,” F. L. Somer, Jr., and R. Hernandez, *J. Phys. Chem. B*, **104**, 3456 (2000).
6. “Fast numerical integrator for stochastic differential equations with nonstationary multiplicative noise,” E. Herskovitz and R. Hernandez, *J. Phys. Chem. A* **105**, 2687-2693 (2001).
7. “A Two-dimensional polymer growth model,” M. T. Vogt and R. Hernandez, *J. Chem. Phys.* **115**, 1575-1585 (2001).
8. “A minimalist model protein with multiple folding funnels,” C. R. Locker and R. Hernandez, *Proc. Natl. Acad. Sci.* **98**, 9074-9079 (2001).
9. “Chemical reaction dynamics with stochastic potentials beyond the high-friction limit,” T. D. Shepherd and R. Hernandez, *J. Chem. Phys.* **115**, 2430-2438 (2001).