Dylan Suvlu

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Education

Ph.D. Physical Chemistry, University of Maine — May 2018 (Expected)
Advisor: Professor Jayendran C. Rasaiah
Dissertation title: "Confinement and hydration effects on helix formation in biopolymers"

B.S. Chemistry, University of Maine — 2010
American Chemical Society Certified

Awards

Scholarship — 2015
American Indian Science and Engineering Society (AISES) Lighting the Pathway to Faculty Careers in STEM

Fellowship — 2009
Department of Electrical and Computer Engineering, University of Maine National Science Foundation (NSF) sponsored Research Experience for Undergraduates (REU) Program in Supercomputing in Maine (SuperMe)

Publications

1. Suvlu, D., Samaratunga, S., Thirumalai, D. & Rasaiah, J. C. Thermodynamics of Helix-Coil Transitions of Polyalanine in Open Carbon Nanotubes. *J. Phys. Chem. Lett.* 8, 494–499 (2017).

Conferences

- Invited presentation by **D. Suvlu** at 2017 Gordon Research Seminar Chemistry and Physics of Liquids in Holderness, NH "Entropy effects and solvent-mediated interactions in helix-coil transition in nanotubes"
- Oral presentation by J. C. Rasaiah at 2017 ACS Symposium in Honor of Branka Ladanyi: Dynamics and Structure of Molecular Fluids in San Francisco, CA "Confinement and Hydration effects on Helix-Coil transitions of polyalanine in open carbon nanotubes"
- Oral presentation by **D. Suvlu** at 2017 APS March Meeting in New Orleans, LA "Thermodynamics of helix-coil transitions of polyalanine in open carbon nanotubes"
- Poster by **D. Suvlu** at 2016 American Indian Science and Engineering Society National Conference in Minneapolis, MN "Confinement and hydration effects on helix formation of polyalanine in open nanotubes"
- Poster by **D. Suvlu** at 2015 American Indian Science and Engineering Society National Conference in Phoenix, AZ "Confinement and hydration effects on helix formation of alanine polymers in carbon nanotubes immersed in a water bath"
- Oral presentation by **D. Suvlu** at fall 2014 American Chemical Society National Meeting in San Francisco, CA "Hydration and hydrophobic effects on helix formation of polypeptide chains in open carbon nanotubes"

Relevant Experience

- Teaching Assistant in Chemical Thermodynamics (CHY 471) fall semester of 2014 at the University of Maine, Orono, ME
- Teaching Assistant for General Chemistry Laboratory (CHY 123, 124) in the years 2011, 2012, 2015, 2016, and 2017 at University of Maine, Orono, ME

Technical Skills

Platforms
Unix/Linux, Microsoft Windows

Software
Gromacs, NAMD, VMD, Gaussian, Mathematica, Matlab, Origin

Programming
Fortran, Python, Tcl, Bash

Affiliations and Memberships

American Physical Society	2016
American Chemical Society	2008
American Indian Science and Engineering Society (Sequoyah Fellow)	2008

References

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Dr. Dave Thirumalai
Chair and Professor of Chemistry, The University of Texas at Austin
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