

# Clifford Steven Morrison

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<b>Education</b>	<b>Rensselaer Polytechnic Institute – 2014 - 2019</b> <ul style="list-style-type: none"><li>• Ph.D. from the Department of Chemical and Biological Engineering (<i>in progress</i>)</li></ul> <b>University of North Texas – 2010 - 2014</b> <ul style="list-style-type: none"><li>• B.S. Chemistry, <b><i>Summa Cum Laude</i></b></li><li>• B.S. Biochemistry, <b><i>Summa Cum Laude</i></b></li><li>• Minors in Biological Sciences, Mathematics, and History</li><li>• McNair Scholar, Terry Foundation Scholar, Emerald Eagle Scholar, Honors Scholar</li></ul>
<b>Affiliations</b>	<ul style="list-style-type: none"><li>• Member of the American Chemical Society</li><li>• Member of Alpha Chi Sigma Professional Chemistry Fraternity</li><li>• Member of Phi Kappa Phi National Honor Society</li></ul>
<b>Leadership</b>	<ul style="list-style-type: none"><li>• Terry Foundation Application Reviewer, 2014<ul style="list-style-type: none"><li>- I read over 80 scholarship applications and recommended students for the interview phase of the Terry Foundation scholarship selection process.</li></ul></li><li>• Terry Foundation Interview Panelist, 2013<ul style="list-style-type: none"><li>- I served on an interview panel for the Terry Foundation to select students to receive full scholarships as Terry Scholars at UNT.</li></ul></li><li>• Vice President of the UNT Chapter of Phi Kappa Phi National Honor Society, 2013-2014<ul style="list-style-type: none"><li>- I served as a student Vice President of the university's chapter of Phi Kappa Phi in which I have helped organize and execute ceremonies and initiate new members.</li></ul></li><li>• Master Alchemist of the Beta Eta Chapter of Alpha Chi Sigma, 2012-2014<ul style="list-style-type: none"><li>- I served as the Master Alchemist (President) of the university's chapter of Alpha Chi Sigma, a professional chemistry fraternity.</li></ul></li></ul>
<b>Experience</b>	<ul style="list-style-type: none"><li>• LGBTQA Youth Group Facilitator, 2014-present<ul style="list-style-type: none"><li>- I volunteer as a group facilitator for LGBTQA youth in the Albany, NY area.</li></ul></li><li>• Mentor for LGBTQA Mentoring Network, 2014-present<ul style="list-style-type: none"><li>- I volunteer as a mentor for LGBTQ undergraduate and graduate students.</li></ul></li><li>• Chemistry Learning Communities Peer Mentor, 2012-2014<ul style="list-style-type: none"><li>- I was employed as the peer mentor to more than 35 freshman/sophomore science majors.</li></ul></li><li>• Big Brother for Big Brothers Big Sisters of America, 2011-2013<ul style="list-style-type: none"><li>- I volunteered as a mentor to a program participant.</li></ul></li></ul>
<b>Awards / Honors</b>	<ul style="list-style-type: none"><li>• <b>National Science Foundation Graduate Research Fellowship, 2015</b></li><li>• Phi Kappa Phi Fellowship, 2014</li><li>• Howard P. Isermann Fellowship, 2014</li><li>• Rensselaer Graduate Fellowship, 2014</li><li>• J.L. Carrico Award for Outstanding Achievement by a Senior Chemistry Major, 2014</li><li>• David B. Kesterson Award for Outstanding Honors College Student, 2014</li></ul>

<p>Research</p>	<p><b>Patents</b></p> <ul style="list-style-type: none"> <li>• <b>Clifford S. Morrison</b>, David R. Dodds, William B. Armiger, Jonathan S. Dordick, Mattheos Koffas. "Improved Method for Using Electrochemical Bioreactor Module with Recovery of Cofactor." US Provisional patent application 62/308,175 filed March 14, 2016.</li> <li>• Robby A. Petros, Duong T. Nguyen, Ronaldo J. Cavazos, <b>Clifford S. Morrison</b>, Jana B. Lampe, and Alesha N. Harris. "Synthesis and Use of Prodrug Complexes of Cobalt in Polymer Therapeutics." U.S. Patent 20,150,299,238, issued October 22, 2015.</li> </ul> <p><b>Publications</b></p> <ul style="list-style-type: none"> <li>• <b>Clifford S. Morrison</b>, et al. "Rapid, Quantitative, Solvent-Free Synthesis of Medium-Ring Diaza Heterocycles from Diketene-Acetone Adduct and Diamines." Tetrahedron Letters (2014).</li> </ul> <p><b>Presentations</b></p> <ul style="list-style-type: none"> <li>• <b>Clifford S. Morrison</b>, Jonathan S. Dordick, David R. Dodds, William B. Armiger, Mattheos Koffas. "Utilizing Electrochemical Bioreactors for Efficient Chemical Applications," 1st Annual RPI Graduate Research Symposium, Troy, NY, May 14, 2016. Oral presentation.</li> <li>• <b>Clifford S. Morrison</b>, Ravindra S. Kane, Jonathan S. Dordick, David R. Dodds, William B. Armiger, Mattheos Koffas. "Utilizing Electrochemical Bioreactors for Efficient Biofuel and Chemical Applications," 251st American Chemical Society National Meeting &amp; Exposition, San Diego, CA, March 12-17, 2016. Oral presentation.</li> <li>• <b>Clifford S. Morrison</b>, Ravindra S. Kane, Jonathan S. Dordick, David R. Dodds, William B. Armiger, Mattheos Koffas, "Utilizing Electrochemical Bioreactors for Efficient Biofuel and Chemical Applications," 1st Department of Chemical and Biological Engineering Graduate Research Retreat, Troy, NY, January 20, 2016. Poster presentation.</li> <li>• <b>Clifford S. Morrison</b>; R. A. Petros "The Synthesis of Medium-Ring Heterocycles from Diketene-Acetone Adduct and Binucleophiles," University Scholars Day, University of North Texas, Denton, TX, April 17, 2014. Oral presentation.</li> <li>• <b>Clifford S. Morrison</b>; R. A. Petros "The Synthesis of Medium-Ring Heterocycles from Diketene-Acetone Adduct and Binucleophiles," 16th Texas National McNair Scholars Research Conference, University of North Texas, Denton, TX, February 15, 2014. Oral presentation.</li> <li>• <b>Clifford S. Morrison</b>; R. A. Petros. "The Synthesis of a Prodrug form of Sunitinib and its Potential Role in Nanoparticle Therapeutics Targeting VEGF Receptors for Treating Pancreatic Cancer," University Scholars Day, University of North Texas, Denton, TX, April 18, 2013. Oral presentation.</li> <li>• <b>Clifford S. Morrison</b>; R. A. Petros. "The Synthesis of a Prodrug form of Sunitinib and its Potential Role in Nanoparticle Therapeutics Targeting VEGF Receptors for Treating Pancreatic Cancer," McNair Scholars Annual Recognition Luncheon and Research Presentations, University of North Texas, Denton, TX, September 13, 2013. Poster presentation.</li> </ul>
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