

## Demyan E. Prokopchuk

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### CURRENT POSITION

**Assistant Professor**  
**Department of Chemistry**  
Rutgers University - Newark  
73 Warren Street  
Newark, NJ, 07102  
United States

[Google Scholar](#)  
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[Research Group Website](#)

### EDUCATION AND EMPLOYMENT

- Assistant Professor, Rutgers University**, Newark, NJ **2019–**
- Postdoctoral Fellow, University of Calgary**, AB, Canada **2017–2018**  
Mentor: Warren E. Piers  
Electrocatalytic CO<sub>2</sub> reduction research as part of the Canada First Research Excellence Fund (CFREF)
- Postdoctoral Fellow, Pacific Northwest National Laboratory**, Richland, WA **2015–2017**  
Mentors: R. Morris Bullock, Michael Mock (now at Montana State University)  
N<sub>2</sub> reduction, H<sub>2</sub> oxidation in the DOE Center for Molecular Electrocatalysis EFRC
- PhD, Chemistry, University of Toronto**, Toronto, ON, Canada **2009–2015**  
Advisor: Robert H. Morris  
Thesis Title: “Synthetic and Computational Studies of Metal-Ligand Cooperation with Iron Group Complexes for Water Splitting and Ketone Hydrogenation”
- BSc, Chemistry, University of Saskatchewan**, Saskatoon, SK, Canada **2004–2009**  
Chemistry (Major, High Honors) and Computer Science (Minor)  
Mentors: Stephen Foley, Heinz-Bernhard Kraatz (now at University of Toronto–Scarborough)

### OTHER RESEARCH POSITIONS

- Visiting PhD Student**, ETH Zürich (Hönggerberg), Switzerland **Jun–Oct 2014**  
Advisor: Hansjörg Grützmacher
- Inorganic Chemistry Exchange (ICE) Student**, Western University, London, ON **May–Aug 2008**  
Advisor: John Corrigan

### ALL PUBLICATIONS

27. B. Goel, H. Neugebauer, A. VanderWeide, P. Sánchez, R. A. Lalancette, S. Grimme, A. Hansen, **D. E. Prokopchuk** “Mechanism of Electrocatalytic H<sub>2</sub> Production with Amine-rich FeCp Complexes: The Critical Roles of Coordinated Solvent and Cp Ring Activation” *in preparation*.
26. A. VanderWeide, **D. E. Prokopchuk** “Cyclopentadienyl Ring Activation in Organometallic Chemistry and Catalysis” *Nat. Rev. Chem.*, **2023**, *accepted*.
25. A. Karagiannis, B. Goel, **D. E. Prokopchuk** “Putting a New Spin on Imido Chemistry with an Fe<sup>II</sup> Dicarbene Complex” *Trends Chem.*, **2022**, [10.1016/j.trechm.2022.12.002](https://doi.org/10.1016/j.trechm.2022.12.002) (invited contribution)
24. D. S. Tresp, H. Neugebauer, S. Grimme, A. Hansen, **D. E. Prokopchuk** “Electronic Effects of Aminoin-denyl ligands Coordinated to Manganese: Structures and Properties of a Mn<sup>0</sup> Metalloradical and Bimetallic Mn<sup>I</sup>/Mn<sup>-I</sup> Adduct” *Organometallics* **2022**, [10.1021/acs.organomet.2c00463](https://doi.org/10.1021/acs.organomet.2c00463)
23. A. Karagiannis, A. M. Tyryshkin, R. A. Lalancette, D. M. Spasyuk, A. Washington, **D. E. Prokopchuk** “A Redox-active Mn(0) Dicarbene Metalloradical” *Chem. Commun.*, **2022**, [10.1039/D2CC04677F](https://doi.org/10.1039/D2CC04677F)  
**Selected as a 2022 ChemComm HOT Article**

22. L. Lin, D. Spasyuk, R. A. Lalancette, **D. E. Prokopchuk** “Coordination-Induced Weakening of a C( $sp^3$ )-H Bond: Homolytic and Heterolytic Bond Strength of a CH—Ni Agostic Interaction” *J. Am. Chem. Soc.*, **2022**, *144*, 12632. [10.1021/jacs.2c05667](https://doi.org/10.1021/jacs.2c05667)
21. P. Sánchez, B. Goel, H. Neugebauer, Roger A. Lalancette, A. Hansen, S. Grimme, **D. E. Prokopchuk** “Ligand Protonation at Carbon, not Nitrogen, during H<sub>2</sub> Production with Amine-Rich Iron Electrocatalysts” *Inorg. Chem.* **2021**, *60*, 17407. [10.1021/acs.inorgchem.1c03142](https://doi.org/10.1021/acs.inorgchem.1c03142)
20. M. M. H. Sung, **D. E. Prokopchuk**, R. H. Morris “Phosphine-free ruthenium NCN-ligand complexes and their use in catalytic CO<sub>2</sub> hydrogenation” *Dalton Trans.* **2019**, *48*, 16569. (invited contribution) [10.1039/C9DT03143J](https://doi.org/10.1039/C9DT03143J)
19. Z. Dubrawski, J. Heidebrecht, B. M. P. Lombardi, A. S. Hyla, J. Willkomm, C. L. Radford, J.-B. Lin, G. C. Welch, S. Ponnuram, R. Roesler, **D. E. Prokopchuk**, W. E. Piers “Ligand-Centered Electrochemical Processes Enable CO<sub>2</sub> Reduction with a Nickel Bis(triazapentadienyl) Complex” *Sustainable Energy Fuels* **2019**, *3*, 1172. [10.1039/C8SE00623G](https://doi.org/10.1039/C8SE00623G)  
**Selected as a 2019 Sustainable Energy and Fuels HOT Article**
18. **D. E. Prokopchuk**, Geoffrey M. Chambers, E. D. Walter, M. T. Mock, R. M. Bullock “H<sub>2</sub> Binding, Splitting, and Net Hydrogen Atom Transfer at a Paramagnetic Iron Complex” *J. Am. Chem. Soc.* **2019**, *141*, 1871. [10.1021/jacs.8b12823](https://doi.org/10.1021/jacs.8b12823)  
**News article at Phys.org, February 19, 2019: “Mechanism of iron-based hydrogen bond cleavage revealed”**
17. **D. E. Prokopchuk**, E. S. Wiedner, E. D. Walter, N. A. Piro, W. S. Kassel, C. V. Popescu, R. M. Bullock, M. T. Mock “Catalytic N<sub>2</sub> Reduction into Silylamines and Thermodynamics of N<sub>2</sub> Binding at Square Planar Fe”, *J. Am. Chem. Soc.* **2017**, *139*, 9291. [10.1021/jacs.7b04552](https://doi.org/10.1021/jacs.7b04552)
16. P. Bhattacharya, **D. E. Prokopchuk**, M. T. Mock “Exploring the Role of Pendant Amines in Transition Metal Complexes for the Reduction of N<sub>2</sub> to Hydrazine and Ammonia”, *Coord. Chem. Rev.*, **2017**, *334*, 67. [10.1016/j.ccr.2016.07.005](https://doi.org/10.1016/j.ccr.2016.07.005)
15. S. A. M. Smith, **D. E. Prokopchuk**, R. H. Morris “Asymmetric transfer Hydrogenation of Ketones Using New Iron(II) (P-NH-N-P’) Catalysts: Changing the Steric and Electronic Properties at Phosphorus P’ ”, *Isr. J. Chem.* **2017** *57*, 1204. (invited contribution) [10.1002/ijch.201700019](https://doi.org/10.1002/ijch.201700019)
14. **D. E. Prokopchuk**, S. A. M. Smith, R. H. Morris “Ligands for iron-based homogeneous catalysts for the asymmetric hydrogenation of ketones and imines” in *Ligand Design in Metal Chemistry: Reactivity and Catalysis*, First Edition. Edited by Mark Stradiotto and Rylan Lundgren. John Wiley and Sons, Ltd., **2016** (invited contribution) [10.1002/9781118839621.ch8](https://doi.org/10.1002/9781118839621.ch8)
13. **D. E. Prokopchuk**, A. J. Lough, R. E. Rodriguez-Lugo, R. H. Morris, H. Grützmacher “Insights into metal–ligand hydrogen transfer: a square-planar ruthenate complex supported by a tetradentate amino-amido-diolefin ligand”, *Chem. Commun.*, **2016**, *52*, 6138. [10.1039/C6CC00041J](https://doi.org/10.1039/C6CC00041J)
12. W. Zuo, **D. E. Prokopchuk**, A. J. Lough, R. H. Morris “Details of the Mechanism of the Asymmetric Transfer Hydrogenation of Acetophenone Using the Amine(imine)diphosphine Iron Precatalyst: The Base Effect and The Enantiodetermining Step”, *ACS Catalysis*, **2016**, *6*, 301. [10.1021/acscatal.5b01979](https://doi.org/10.1021/acscatal.5b01979)
11. C. Lichtenberg, **D. E. Prokopchuk**, M. Adelhardt, J. Sutter, L. Viciu, K. Meyer, H. Grützmacher “Reactivity of an All-Ferrous Iron–Nitrogen Heterocubane under Reductive and Oxidative Conditions”, *Chem. Eur. J.*, **2015**, *21*, 15797. [10.1002/chem.201502530](https://doi.org/10.1002/chem.201502530)
10. **D. E. Prokopchuk**, B. T. H. Tsui, A. J. Lough, R. H. Morris “Intramolecular C–H/O–H Bond Cleavage with Water and Alcohol Using a Phosphine-Free Ruthenium Carbene NCN Pincer Complex”, *Chem. Eur. J.*, **2014**, *20*, 16960. [10.1002/chem.201404819](https://doi.org/10.1002/chem.201404819)  
**News article in ChemViews magazine, October 12, 2014: “Phosphine-Free Ruthenium Complex for Water Splitting”**

9. W. Zuo, S. Tauer, **D. E. Prokopchuk**, R. H. Morris “Iron Catalysts Containing Amine(imine)diphosphine P-NH-N-P Ligands Catalyze both Asymmetric Hydrogenation and Asymmetric Transfer Hydrogenation of Ketones” *Organometallics*, **2014**, *33*, 5791. (invited contribution) [10.1021/om500479q](https://doi.org/10.1021/om500479q)  
**One of the most read articles between 2011-2016 (over 13000 times).**
8. S. E. Clapham, M. Zimmer-De Iuliis, K. Mack, **D. E. Prokopchuk**, R. H. Morris “Alcohol Assisted Base-free Hydrogenation of Acetophenone Catalyzed by OsH(NHCMe<sub>2</sub>CMe<sub>2</sub>NH<sub>2</sub>)(PPh<sub>3</sub>)<sub>2</sub>” *Can. J. Chem.*, **2014**, *92*, 731. (invited contribution) [10.1139/cjc-2014-0060](https://doi.org/10.1139/cjc-2014-0060)
7. **D. E. Prokopchuk**, A. Collado, A. J. Lough, R. H. Morris “Structural properties of *trans* hydridohydroxo M(H)(OH)(NH<sub>2</sub>CMe<sub>2</sub>CMe<sub>2</sub>NH<sub>2</sub>)(PPh<sub>3</sub>)<sub>2</sub> (M = Ru, Os) complexes and their proton exchange behaviour with water in solution” *Dalton Trans.*, **2013**, *42*, 10214. [10.1039/C3DT50452B](https://doi.org/10.1039/C3DT50452B)
6. **D. E. Prokopchuk**, R. H. Morris, “Inner-Sphere Activation, Outer-Sphere Catalysis: Theoretical Study on the Mechanism of Transfer Hydrogenation of Ketones Using Iron(II) PNNP Eneamido Complexes” *Organometallics*, **2012**, *31*, 7375. [10.1021/om300572v](https://doi.org/10.1021/om300572v)
5. **D. E. Prokopchuk**, J. F. Sonnenberg, N. Meyer, M. Zimmer-De Iuliis, A. J. Lough, R. H. Morris, “Spectroscopic and DFT Study of Ferraziridine Complexes Formed in the Transfer Hydrogenation of Acetophenone Catalyzed Using *trans*-[Fe(CO)(NCMe)(PPh<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CH=NCH<sub>2</sub>)<sub>2</sub>-κ<sup>4</sup>P,N,N,P](BF<sub>4</sub>)<sub>2</sub>” *Organometallics*, **2012**, *31*, 3056. [10.1021/om201170f](https://doi.org/10.1021/om201170f)
4. **D. E. Prokopchuk**, A. J. Lough, R. H. Morris “From Amine to Ruthenaziridine to Azaallyl: Unusual Transformation of Di-(2-pyridylmethyl)amine on Ruthenium” *Dalton Trans.*, **2011**, *40*, 10603. [10.1039/C1DT10626K](https://doi.org/10.1039/C1DT10626K)
3. J. M. Chitanda, **D. E. Prokopchuk**, J. W. Quail, S. R. Foley “Synthesis of Palladacycles Employing Iminoisoindolines as Monoanionic Bidentate Ligands” *Dalton Trans.*, **2008**, 6023. [10.1039/B806544F](https://doi.org/10.1039/B806544F)
2. J. M. Chitanda, **D. E. Prokopchuk**, J. W. Quail, S. R. Foley “From Pyrroles to Isoindolines: Synthesis of a γ-Diimine Ligand for Applications in Palladium Coordination Chemistry and Catalysis” *Organometallics*, **2008**, *27*, 2337. [10.1021/om800080e](https://doi.org/10.1021/om800080e)
1. **D. E. Prokopchuk**, G. A. Orlowski, H.-B. Kraatz “Synthesis of Amino Acid Conjugates of 1,1'-dimethylferrocene: New Chiral Conjugates” *Inorg. Chim. Acta*, **2008**, *361*, 1327. [10.1016/j.ica.2007.08.028](https://doi.org/10.1016/j.ica.2007.08.028)

#### RESEARCH GRANTS

<b>American Chemical Society – Petroleum Research Fund (\$110,000)</b>	<b>2023–2025</b>
“Using Adamantyl Ligands as Metal-Mediated C-H Activation Models” (Lead PI)	
<b>Rutgers Global Grants Program (\$8,000)</b>	<b>2022–2023</b>
“Electrically Driven Carbon Dioxide Reduction Using Organobismuth Compounds” (Lead PI) Collaborative Project with Prof. Crispin Lichtenberg, University of Marburg	
<b>National Science Foundation (\$451,046)</b>	<b>2021–2024</b>
“NSF-DFG-Echem: CAS: Synergistic Experimental and Computational Approaches to Designing Electrocatalysts with Proton-Responsive Ligand Architectures” (Lead PI)	
<b>National Science Foundation (\$273,700)</b>	<b>2020–2023</b>
“MRI: Acquisition of a Single Crystal X-ray Diffractometer” (co-PI)	
<b>Rutgers Research Council (\$2,500)</b>	<b>2019–2020</b>
“Bio-Inspired Molecular Catalysts for Electrochemical Energy” (Lead PI)	

INVITED TALKS

University of New Hampshire, Durham, NH	<b>Aug 2023</b>
University of Seville, Seville, Spain	<b>Apr 2023</b>
University of Winnipeg, Winnipeg, MB	<b>Mar 2023</b>
University of Manitoba, Winnipeg, MB	<b>Mar 2023</b>
Marquette University, Milwaukee, WI	<b>Jan 2023</b>
The College of New Jersey, Ewing, NJ	<b>Oct 2022</b>
Canadian Chemistry Conference and Exhibition, Calgary, AB	<b>Jun 2022</b>
ACS Spring Meeting, San Diego, CA	<b>Mar 2022</b>
Pacificchem, Honolulu, HI	<b>Dec 2021</b>
IUPAC/Canadian Chemistry Conference and Exhibition, Montreal, QC	<b>Aug 2021</b>
University of Akron, Akron, OH (virtual)	<b>Apr 2021</b>
Peking University, Beijing, China	<b>Sep 2019</b>
Gordon Research Seminar, Solar Fuels, Ventura, CA	<b>Jan 2018</b>
University of British Columbia–Okanagan, Kelowna, BC	<b>Jan 2018</b>
University of Cincinnati, Cincinnati, OH	<b>Dec 2017</b>
Gordon Research Seminar, Organometallic Chemistry, Newport, RI	<b>Jul 2017</b>

HONORS AND  
AWARDS

Outstanding Staff Award, PNNL	<b>2017</b>
Outstanding Staff Award, PNNL	<b>2016</b>
J. Warren Flanagan Ontario Graduate Scholarship, U of T	<b>2014–2015</b>
Chemistry Conference Travel Grant, U of T	<b>2014</b>
Special Opportunity Graduate Travel Fellowship, U of T	<b>2014</b>
NSERC-CGS-D Michael Smith Foreign Study Scholarship	<b>2014</b>
Chemistry Conference Travel Grant, U of T	<b>2012</b>
NSERC CGS-D Alexander Graham Bell Canada Graduate Scholarship	<b>2011–2014</b>
School of Graduate Studies Conference Travel Grant, U of T	<b>2011</b>
Student Travel Award, ACS Division of Inorganic Chemistry	<b>2011</b>

Best Poster Award, Inorganic Discussion Weekend, Windsor, ON	2010
NSERC CGS-M Alexander Graham Bell Canada Graduate Scholarship	2010–2011
Edwin Walter and Margery Warren Scholarship in Science, U of T	2009–2010
Alan C. Nixon Summer Research Award, U of S	2007
Best Poster Award, U of S Chemistry Research Awards Day	2006
Greystone Scholar Entrance Scholarship, U of S	2004

SERVICE TO  
CHEMISTRY

Peer reviewer for the following journals: *Journal of the American Chemical Society*, *Angewandte Chemie International Edition*, *ACS Catalysis*, *Chemical Communications*, *Organometallics*, *Inorganic Chemistry*, *New Journal of Chemistry*, *Dalton Transactions*, *Canadian Journal of Chemistry*, *ChemElectroChem*

Review Editor, <i>Frontiers in Chemistry</i> (Inorganic Chemistry)	2022–
Panel Reviewer, National Science Foundation	2021, 2022
Panel Reviewer, ACS Petroleum Research Fund	2022, 2023
Panel Reviewer, Oak Ridge Associated Universities (FDCRGP Program)	2022
<b>Symposium Co-organizer</b> , Canadian Chemistry Conference and Exhibition, Calgary, AB “Dihydrogen, Metal Hydrides, and Beyond”	2022
<b>Symposium Co-organizer</b> , ACS Spring Meeting, San Diego, CA “ACS Award in Organometallic Chemistry: Symposium in Honor of Morris Bullock”	2022
<b>Session Chair</b> , Virtual Q&A, Canadian Chemistry Conference and Exhibition, Montreal, QC	2021
<b>Chair</b> , Gordon Research Seminar, Organometallic Chemistry, Newport, RI	2019
<b>Organizer</b> , 21 <sup>st</sup> Western Canadian Undergraduate Chemistry Conference	2007

SERVICE TO  
UNIVERSITY

<b>Thesis Defense Committee</b> , Rutgers–Newark Chemistry Ian Weiss (PhD 2021, Galoppini group)	2021–
<b>Candidacy Exam Committee</b> , Rutgers–Newark Chemistry James McQuade (2020), Ana de Oliveira Silva (2020), Oguz Kucukosmann (2022), Conor Long (2022)	2020–
<b>Faculty Search Committee</b> , Rutgers–Newark Chemistry	2021–2022
<b>Advisory Committee</b> , Rutgers–Newark McNair TRiO Scholarship Program	2021–
<b>Graduate Admissions Committee</b> , Rutgers–Newark Chemistry	2019–2022

## TEACHING

<b>Chem 448: Inorganic and Materials Chemistry Laboratory</b>	<b>Spring 2022, 2023</b>
Capstone course for chemistry majors at Rutgers-Newark. The course presents a series of laboratory experiments on the synthesis and characterization of organic, inorganic, organometallic and polymeric compounds and materials. Introduced two new teaching modules: 1. <i>Synthesis of Vaska's Complex for Stoichiometric and Catalytic Reactions</i> 2. <i>Scientific Glassblowing Fundamentals</i>	
<b>Chem 579: Coordination Chemistry Applied to Catalysis</b>	<b>Spring 2019, 2020</b>
Conceived, developed, and taught new graduate course covering classical and modern aspects of ligand design for homogeneous catalysis	
<b>Chem 413: Inorganic Chemistry 2</b>	<b>Fall 2019, 2020, 2021</b>
Senior level undergraduate course covering, structure, bonding and reactivity of molecules containing transition metals and main group elements.	

MENTORSHIP AND  
OUTREACH

<b>Research Advisor and Mentor</b>	<b>2019–</b>
<b>PhD Candidates:</b> Bhumika Goel, Ageliki Karagiannis, David Tresp, Lirong Lin <b>PhD Students:</b> Sanju Kumari, Viani Maxwell <b>Undergraduates:</b> Asmaa Washington, GS-LSAMP Scholar <b>Postdocs:</b> Dr. Andrew VanderWeide	
<b>Former Postdocs:</b> Dr. Práxedes Sánchez (2019-2021) <b>MS Students graduated:</b> Ageliki Karagiannis (Spring 2020) <b>Former Undergraduates:</b> Asmaa Washington (GS-LSAMP Scholar, Chemistry) Naser Abuali (Chem 452 Project) Meroline Bazile (McNair and GS-LSAMP Scholar, Chemistry) Christeen Shenoda (Summer Student, Chem 452 Project)	
<b>McNair Scholarship Program Mentor</b> , Rutgers University–Newark	<b>2019–2020</b>
<b>NSF-Garden State LSAMP Program Mentor</b> , Rutgers University–Newark	<b>2019</b>
<b>Juror</b> , ACS North Jersey Section Awards Division	<b>2021</b>
<b>Judge</b> , William Paterson University Undergraduate Research Symposium, Wayne, NJ	<b>2019</b>
<b>Member</b> , US Department of Energy Early Career Network	<b>2016–2017</b>
<b>Co-Founder</b> , Chemistry Career Day, University of Toronto	<b>2014</b>
<b>Chair</b> , Chemical Institute of Canada (CIC) Toronto Section	<b>2013–2014</b>
<b>Treasurer/Webmaster</b> , Chemical Institute of Canada (CIC) Toronto Section	<b>2012–2013</b>
<b>Student Activities Chair</b> , Chemical Institute of Canada (CIC) Toronto Section	<b>2011–2012</b>
<b>Organizer</b> , International Year of Chemistry, Toronto, ON	<b>2011</b>
<b>Volunteer</b> , Science Rendezvous, University of Toronto	<b>2011</b>

<b>Volunteer</b> , “Ask a Nobel Laureate” Lecture Series, University of Toronto	<b>2010, 2011</b>
<b>Member At Large</b> , Chemical Institute of Canada (CIC) Toronto Section	<b>2010–2011</b>
<b>VP Internal</b> , Chemistry Student Society, University of Saskatchewan	<b>2007–2008</b>
<b>VP Admin</b> , Chemistry Student Society, University of Saskatchewan	<b>2006–2007</b>

CONFERENCE  
PRESENTATIONS

Gordon Research Seminar, Organometallic Chemistry, Newport, RI	<b>2022</b>
Gordon Research Seminar, Solar Fuels, Lucca, Italy	<b>2022</b>
Gordon Research Seminar, Organometallic Chemistry, Newport, RI	<b>2019</b>
Gordon Research Conference, Solar Fuels, Ventura, CA	<b>2018</b>
Gordon Research Conference, Organometallic Chemistry, Newport, RI	<b>2017</b>
DOE Meeting of Energy Frontier Research Centers, Washington, DC	<b>2017</b>
100 <sup>th</sup> Canadian Chemistry Conference, Toronto, ON	<b>2017</b>
Gordon Research Conference, Organometallic Chemistry, Newport, RI	<b>2016</b>
97 <sup>th</sup> Canadian Chemistry Conference, Vancouver, BC	<b>2014</b>
Inorganic Discussion Weekend. York, ON	<b>2013</b>
95 <sup>th</sup> Canadian Chemistry Conference, Calgary, AB	<b>2012</b>
94 <sup>th</sup> Canadian Chemistry Conference, Montreal, QC	<b>2011</b>
241 <sup>st</sup> ACS National Meeting, Anaheim, CA	<b>2011</b>
Inorganic Discussion Weekend, Windsor, ON	<b>2010</b>
U of S Chemistry Research Awards Day, Saskatoon SK	<b>2007</b>
90 <sup>th</sup> Canadian Chemistry Conference, Winnipeg, MB	<b>2007</b>
21 <sup>st</sup> Western Canadian Undergraduate Chemistry Conference, Saskatoon, SK	<b>2007</b>
U of S Chemistry Research Awards Day, Saskatoon SK	<b>2006</b>

STUDENT  
ACHIEVEMENTS

<b>Bhumika Goel: Dissertation Fellowship</b> Graduate Schools most prestigious and comprehensive financial award for students in the last year of their doctoral programs	<b>2023–2024</b>
<b>Viani Maxwell: NIH G-RISE Fellowship</b> Awarded to top incoming PhD students from diverse backgrounds to successfully transition into careers in biomedical research	<b>2022–2024</b>

- Lirong Lin: **Taylor-Torre Research Award** **2022**  
In recognition of her outstanding accomplishments as a 3<sup>rd</sup> year PhD student at Rutgers–Newark
- David Tresp: **Rutgers University Presidential Fellowship** **2019–2024**  
Awarded to top incoming PhD students across all disciplines that display strong potential for success in research
- Bhumika Goel: **Teaching Assistant Award** **2020–2021**  
For outstanding contributions to the General Chemistry laboratory
- David Tresp: **Teaching Assistant Award** **2020–2021**  
For outstanding contributions to senior Organic and Inorganic chemistry laboratories