

Joshua V. Ruppel, Ph.D.
University of South Carolina Upstate

800 University Way
Administration Building, Suite 308
Spartanburg, SC 29303

ruppelj@uscupstate.edu

Education

- Ph.D. Organic Chemistry, University of South Florida, 2008
 - Ph.D. Advisor: X. Peter Zhang, Ph.D.
 - Dissertation Title: Cobalt(II)-Catalyzed Atom/Group Transfer Reactions: Stereoselective Carbene and Nitrene Transfer Reactions
- B.S. Chemistry, University of Central Florida, 2003

Academic Appointments

- **Professor of Chemistry**, *USC Upstate*, Aug 2021 – **Present**
- **Director of Research**, *USC Upstate*, Aug 2021 – **Present**
- **ER(Up)T Program Director**, *USC Upstate*, 2020 – **Present**
- Coordinator of Pre-Health Programs, *USC Upstate*, 2013 – 2021
- Associate Professor of Chemistry, *USC Upstate*, 2016 – 2021
- QEP Faculty Fellow, *USC Upstate*, 2021
- Assistant Professor of Chemistry, *USC Upstate*, 2011 – 2016
- Active Learning Faculty Fellow, *USC Upstate*, 2015 – 2016
- Visiting Assistant Professor, *Hamilton College*, 2009 – 2011

Teaching Responsibilities

- CHEM 112L General Chemistry II Lab
- CHEM 331 Organic Chemistry I Lecture
- CHEM 331L Organic Chemistry I Lab
- CHEM 332 Organic Chemistry II Lecture
- CHEM 332L Organic Chemistry II Lab
- CHEM 499 Faculty Mentored Undergraduate Research
- CHEM 530 Spectrometric Identification of Organic Compounds Lecture
- CHEM 561 Medicinal Chemistry Lecture

Selected Honors and Awards

- **Breakthrough Star**, *University of South Carolina System*, 2019
Award description: These awards recognize a small group of peer-nominated and peer-reviewed faculty members from across all University of South Carolina's campuses. These faculty members exceed expectations in their fields, demonstrate exceptional potential, and have made outstanding contributions to research and scholarship during a short time at UofSC. The Breakthrough Star Award recognizes faculty for these achievements and celebrates their contributions to the University of South Carolina.
- **University Excellence in Teaching and Advisement**, *USC Upstate*, 2019
Award Description: The Excellence in Teaching and Advising award recognizes excellence in undergraduate instruction and academic advisement at its highest level. The

winner of this award is selected from across the university through a student-nominated and student-led review process. The principal criterion for selection is sustained excellence in undergraduate teaching and academic advisement.

- **College of Science and Technology Excellence in Teaching and Advising, USC Upstate, 2019**

Award Description: The Excellence in Teaching and Advising award recognizes excellence in undergraduate instruction and academic advisement. The winner of this award is selected from the College of Science and Technology through a student-nominated and student-led review process. The principal criterion for selection is sustained excellence in undergraduate teaching and academic advisement.

- **Annual Award for Excellence in Scholarly and/or Creative Pursuits, USC Upstate, 2018**

Award Description: This is an award that recognizes an individual who has distinguished himself/herself by scholarly and/or creative activities during the preceding five calendar years, with attention to lifetime scholarly/creative achievements accomplished at USC Upstate.

Selected Extramural Research Grants

- Member institution of **South Carolina IDeA Networks of Biomedical Research Excellence (SC INBRE)** 16
 - SC INBRE is funded through a \$18.9 million Institutional Development Award (IDeA) from the National Institute of General Medical Sciences of the NIH, number P20GM103499-20.
 - As a member institution, USC Upstate is receiving \$100,000 per year of direct funding to support a summer undergraduate research program named ER(Up)T (Engaged Research and Training at Upstate).
 - Role: Institutional Principal Investigator (PI) and ER(Up)T Program Director
 - Award Period: 2020 – 2031
- *(completed)* **NIH AREA (R15) Grant**, 1R15GM148916-01: Synthesis of Carbohydrate-Phthalocyanine Conjugates for Biomedical Applications
 - Role: Co-Principal Investigator
 - Award Period: 2022 – 2025
- *(completed)* **NIH AREA (R15) Grant**, 1R15GM119067-0: Precision Glycopolymer Bacteriochlorin Conjugates for Probing HA-CD44 Interactions
 - Role: Co-Principal Investigator
 - Award Period: 2016 – 2021

Peer-Reviewed Journal Publications

Names that appear in *italics* are undergraduate students; underlined names are USC Upstate undergraduate students who I directly supervised within my lab.

1. *Piatnichouk, C.T.*; **Ruppel, J.V.**; Snyder, N.L. Computational Insights into the Linker-Dependent Binding of Trehalose–Porphyrin Conjugates to Antigen 85B of Mycobacterium tuberculosis. *Microbiol. Res.* **2026**, 17, 58. <https://doi.org/10.3390/microbiolres17030058>
2. Dixon, C. F.; Nottingham, A. N.; Lozano, A. F.; Sizemore, J. A.; Russell, L. A.; Valiton, C.; Newell, K. L.; Babin, D.; Bridges, W. T.; Parris, M. R.; Shchirov, D. V.; Snyder, N. L.; **Ruppel, J. V.** “Synthesis and evaluation of porphyrin glycoconjugates varying in linker length: preliminary effects on the photodynamic inactivation of Mycobacterium smegmatis”

3. *Bennion, M. C.; Burch, M. A.; Dennis, D. G.; Lech, M. E.; Neuhaus, K.; Fendler, N. L.; Parris, M. R.; Cuadra, J. E.; Dixon, C. F.; Mukosera, G. T.; Blauch, D. N.; Hartmann, L.; Snyder, N. L.; Ruppel, J. V.* “Synthesis of Porphyrin and Bacteriochlorin Glycoconjugates through CuAAC Reaction Tuning” *Eur. J. Org. Chem.* **2019**, 6496-6503.
4. *Cooper, S.A.L.; Graepel, K. W.; Steffens, R. C.; Dennis, D. G.; Cambroneo, G. A.; Wiggins, R. Q.; Ruppel, J. V.; Snyder, N. L.* “Modular Synthesis of Silicon (IV) Phthalocyanine Conjugates bearing Glycosylated Axial Ligands” *J. of Porphyrins Phthalocyanines* **2019**, *23*, 850-855.
5. *Mukosera, G. T.; Adams, T. P.; Rothbarth, R. F.; Langat, H.; Akanda, S.; Barkley, R. G.; Dolewski, R.; Ruppel, J. V.; Snyder, N. L.* “Synthesis of Glycosylated Zinc (II) 5, 15-Diphenylporphyrin and Zinc (II) 5, 10, 15, 20- Tetraphenylporphyrin Analogs Using Cu-Catalyzed Azide-Alkyne 1,3-Dipolar Cycloaddition Reactions” *Tetrahedron Lett.* **2015**, *56*, 73-77.
6. **Ruppel, J. V.**; Cui, X.; Xu, X.; Zhang, X. P. “Stereoselective intramolecular cyclopropanation of alpha-diazoacetates via Co (II)-based Metalloradical catalysis” *Org. Chem. Front.*, **2014**, *1*, 515-520.
7. *Dolewski, R.; Kerbs, S.; Ruppel, J. V.* “An Improved Synthesis of an Alkynyl-Bacteriochlorin” *USC Upstate Student Research Journal*, **2013**, *6*, 12-21.
8. Xu, X.; Lu, H.-J.; **Ruppel, J. V.**; Cui, X.; de Mesa, S. L.; Wojtas, L.; Zhang, X. P. “Highly Asymmetric Intramolecular Cyclopropanation of Acceptor-Substituted Diazoacetates by Co(II)-Based Metalloradical Catalysis: Iterative Approach for Development of New Generation Catalysts” *J. Am. Chem. Soc.* **2011**, *133*, 15292-15295.
9. Uygun, A.; Myjavcova, R.; Yavuz, A. G.; **Ruppel, J. V.**; Fields, K. B.; Frankhauser, A.; Zhang, X. P.; Bhethanbotla, V. R.; Bednar, R. “Electrochemical Polymerization and Investigation of Properties of Poly(5-(4'-aminophenylamino)-10,20-diphenylporphyrin)” *Electroanalysis* **2011**, *23*, 1158-1167.
10. Zhan, W.; Jiang, K.; Smith, M. D.; Bostic, H. E.; Best, M. D.; Auad, M. L.; **Ruppel, J. V.**; Kim, C.; Zhang, X. P. “Photocurrent Generation from Porphyrin/Fullerene Complexes Assembled in a Tethered Lipid Bilayer” *Langmuir* **2010**, *26*, 15671-15679.
11. Subbarayan, V.; **Ruppel, J. V.**; Zhu, S.; Perman, J. A.; Zhang, X. P. “Highly Asymmetric Cobalt-Catalyzed Aziridination of Alkenes with Trichloroethoxysulfonyl Azide (TcesN₃)” *Chem. Comm.* **2009**, 4266-4268.
12. **Ruppel, J. V.**; Gauthier, T. J.; Snyder, N. L.; Perman, J. A.; Zhang, X. P. “Asymmetric Co(II)-Catalyzed Cyclopropanation with Succinimidyl Diazoacetate: General Synthesis of Chiral Cyclopropyl Carboxamides” *Org. Lett.* **2009**, *11*, 2273-2276.
13. Jones, J. E.; **Ruppel, J. V.**; Gao, G.-Y.; Moore, T. M.; Zhang, X. P. “Cobalt-Catalyzed Asymmetric Olefin Aziridination with Diphenylphosphoryl Azide” *J. Org. Chem.* **2008**, *73*, 7260-7265.
14. Gao, G.-Y.; **Ruppel, J. V.**; Fields, K. B.; Xu, X.; Chen, Y.; Zhang, X. P. “Synthesis of Diporphyrins via Palladium-Catalyzed C-O Bond Formation: Effective Access to Chiral Diporphyrins” *J. Org. Chem.* **2008**, *73*, 4855-4858.
15. **Ruppel, J. V.**; Jones, J. E.; Huff, C. A.; Kamble, R. M.; Chen, Y.; Zhang, X. P. “A Highly Effective Cobalt Catalyst for Olefin Aziridination with Azides: Hydrogen Bonding-Guided Catalyst Design” *Org. Lett.* **2008**, *10*, 1995-1998.
16. Zhu, S.; **Ruppel, J. V.**; Lu, H.; Lukasz, W.; Zhang, X. P. “Cobalt-Catalyzed Asymmetric Cyclopropanation with Diazosulfones: Rigidification of Chiral Ligand Environment via

- Hydrogen Bonding and Cyclization” *J. Am. Chem. Soc.* **2008**, *130*, 5042-5043.
17. Gao, G.-Y.; **Ruppel, J. V.**; Allen, D. B.; Chen, Y.; Zhang, X. P. “Synthesis of β -Functionalized Porphyrins via Palladium-Catalyzed Carbon-Heteroatom Bond Formations: Expedient Entry into β -Chiral Porphyrins” *J. Org. Chem.* **2007**, *72*, 9060-9066.
 18. Harden, J. D.; **Ruppel, J. V.**; Gao, G.-Y.; Zhang, X. P. “Cobalt-Catalyzed Intermolecular C–H Amidation with Bromamine-T as Nitrene Source” *Chem. Comm.* **2007**, 4644-4646.
 19. **Ruppel, J. V.**; Kamble, R. M.; Zhang, X. P. “Cobalt-Catalyzed Intramolecular C-H Amination with Arylsulfonyl Azides” *Org. Lett.* **2007**, *9*, 4889-4892.
 20. Chen, Y.; **Ruppel, J. V.**; Zhang, X. P. “Cobalt-Catalyzed Asymmetric Cyclopropanation of Electron-Deficient Olefins” *J. Am. Chem. Soc.* **2007**, *129*, 12074-12075.

Reviews and Book Chapters

1. **Ruppel, J. V.**; Snyder, N. L.; Thompson, A. D.; Farnsworth, T. W. “Furan, Benzofuran, Thiophene and Benzothiophene” In *Heterocyclic Chemistry in Drug Design*; Ed. Li, J. J.; Wiley **2013**: Chapter 4, 119-196.
2. **Ruppel, J. V.**; Fields, K. B.; Snyder, N. L.; Zhang, X. P. “Metalloporphyrin-Catalyzed Asymmetric Atom/Group Transfer Reaction” In *Handbook of Porphyrin Science*; eds. Kadish, K. M.; Smith, K. M.; Guilard, R.; World Scientific: **2010**, Vol. 10, Chapter 43.
3. Fields, K. B.; **Ruppel, J. V.**; Snyder, N. L.; Zhang, X. P. “Porphyrin Functionalization via Carbon-Heteroatom Cross-Coupling Reactions” In *Handbook of Porphyrin Science*; eds. Kadish, K. M.; Smith, K. M.; Guilard, R.; World Scientific: **2010**, Vol. 3, Chapter 13.

Scholarly Presentations

Italicized names are undergraduate students; underlined names are undergraduate student presenters.

1. Paula Meton, Tessa Greene, Zyteria Huges, Chris Csabon, **Joshua V. Ruppel** “Synthesis of Glycoconjugated A3B Phthalocyanines for Photodynamic Therapy Applications.” Organic Division Aromatics Posters, ACS Spring 2025, San Diego, CA (March **2025**)
Note: Poster was also presented at local research conferences, including the 16th Annual Science Symposium in Columbia, SC (February 2025), SC Upstate Research Symposium in Spartanburg, SC (April 2025), and Discover USC in Columbia, SC (April 2025)
2. Paula Meton, Tessa Greene, Valeria Perez Espinosa-de-las-Monteros, **Joshua V. Ruppel** Development of Phthalocyanine Glycoconjugates for PDT. Undergraduate Research Posters, Southeast Regional IDeA Conference, Columbia, SC (September **2023**) *Note: Poster was also presented at the 15th Annual SC INBRE Science Symposium in Columbia, SC (February 2023) and SC Research Symposium in Spartanburg, SC (April 2024)*
3. Katrina McCarter, Jessica Silva-Conejo, Tessa Greene, Nicole L. Snyder, **Joshua V. Ruppel** “Synthesis of zinc glycoconjugated phthalocyanines as a potential phototherapeutic” ACS Spring National Meeting Indianapolis, IN **2023** (Poster). *Note: Also presented at SC INBRE Science Symposium, Columbia SC, and the SC Upstate Research Symposium, Spartanburg SC 2022.*
4. **Joshua V. Ruppel**, “CuAAC Glycosylation of Porphyrinoids: Preliminary Effects of Linker Length on the Photodynamic Inactivation of Mycobacterium,” International Conference on Porphyrins and Phthalocyanines, July 11th, 2022 (invited podium presentation).
5. Coleman Walker, Tigre Pressley, **Joshua V. Ruppel**, “Method development for the synthesis of glycoconjugated-phthalonitriles and A3B glycoconjugated phthalocyanines,” SC INBRE Science Symposium 2022, virtual (Oral) *Note: Also presented at SC Upstate*

Research Symposium, Spartanburg, SC 2022

6. **Joshua V. Ruppel**, "CuAAC Glycosylation of Porphyrinoids: Preliminary Effects of Linker Length on the Photodynamic Inactivation of Mycobacterium," Western Carolinas ACS, January 27th, 2022 (invited podium presentation)
7. Matthew Parris, Matthew C. Bennion, David G. Dennis, Morgan B. Burch, Austen Henderson, Melissa E. Lech, Jessica E. Cuadra, Nika Fendler, Alexander Strasser, Nicole L. Snyder, **Joshua V. Ruppel** "Synthesis of Porphyrin and Bacteriochlorin Based Glycoconjugates Using an Azide-Alkyne 1,3-Dipolar Cycloaddition Reaction," 257th ACS National Meeting Orlando, FL **2019** (Poster)
8. Charlie F. Dixon, David V. Shchirov, Nicole L. Snyder, **Joshua V. Ruppel** "Synthesis of Alkyl-Chain Linked Carbohydrate-Porphyrin Conjugates," 257th ACS National Meeting Orlando, FL **2019** (Poster) *Note: Also presented at Discover USC, Columbia SC 2019*
9. David V. Shchirov, Charlie F. Dixon, **Joshua V. Ruppel** "Alkoxy-Substituted Diphenyl-Porphyrin Synthesis Utilizing Palladium-Catalyzed C-O Cross Coupling," 257th ACS National Meeting Orlando, FL **2019** (Oral)
10. Melissa E. Lech, Jessica E. Cuadra, David G. Dennis, Morgan B. Burch, George Mukosera, Matthew Parris, Nicole L. Snyder, **Joshua V. Ruppel** "Developing Methods for the Synthesis of Bacteriochlorin-Glycoconjugates," 257th ACS National Meeting Orlando, FL **2019** (Poster) *Note: Also presented at Discover USC, Columbia SC 2019*
11. Matt C. Bennion, David Dennis, Morgan Burch, Austen Henderson, Matthew R. Parris, Noura Abualeinan, Logan Russel, Nicole L. Snyder, **Joshua V. Ruppel** "Synthesis and Characterization of Beta- and Meso- Functionalized Carbohydrate-Porphyrin Conjugates (CPCs)," 255th ACS National Meeting New Orleans, LA **2018** (Poster) *Note: Also presented at Discover USC, Columbia SC 2018*
12. Noura Abualeinan, Matthew R. Parris, David Dennis, Morgan Burch, Nicole L. Snyder, **Joshua V. Ruppel** "Toward the Synthesis of Bacteriochlorin Glycoconjugates," 255th ACS National Meeting New Orleans, LA **2018** (Oral)
13. Matt R. Parris, Noura Abualeinan, Matthew C. Bennion, Austen Henderson, David Dennis, Morgan Burch, Nicole L. Snyder, **Joshua V. Ruppel** "Synthesis and Characterization of Porphyrin and Bacteriochlorin-Based Glycoconjugates," 255th ACS National Meeting New Orleans, LA **2018** (Poster)
14. David Enyart, Jennifer Stansell, **Joshua V. Ruppel**, S. Kinsey, Bradley Baumgartner "Effect of Caffeine on Lipophagy in Mammalian Skeletal Muscle Cells," 253rd ACS National Meeting San Francisco CA **2017** (Poster)
15. David Dennis, Ryan Dolewski, Mukosera George, Brittney Doornbos, Brian Blough, Nicole L. Snyder, **Joshua V. Ruppel** "Synthesis and Characterization of Alkynylated Porphyrins and Bacteriochlorins," 251st ACS National Meeting San Diego, CA **2016** (Oral).
16. David Dennis, Morgan Burch, Ryan Dolewski, Mukosera George, Brittney Doornbos, David Enyart, Brian Blough, Dennis Akrobetu, Erin Xu, Nicole L. Snyder, **Joshua V. Ruppel** "Carbohydrate-Porphyrin (CPCs) and Carbohydrate-Bacteriochlorin Conjugates (CBCs) Synthesized Using Huisgen Cycloaddition," 251st ACS National Meeting San Diego, CA **2016** (Poster). *Note: Also presented at Discovery Day, Columbia SC 2016*
17. **Ruppel, J. V.** "Metal-Mediated Synthesis of Carbohydrate-Porphyrin (CPCs) and Carbohydrate-Bacteriochlorin Conjugates (CBCs)," 247th ACS National Meeting Dallas, TX **2014** (Invited Presentation, Division of Carbohydrate Chemistry).
18. Baker, E.G.; Dolewski, R. D.; Newton, J.; Baumgarten, A. C.; Adams, T.; Graepel, K.; Snyder, N. L.; **Ruppel, J. V.** "Synthesis of Carbohydrate-Porphyrin Conjugates (CPCs) via

- Palladium-Catalyzed Buchwald-Hartwig Cross-Coupling Reactions,” 247th ACS National Meeting Dallas, TX **2014** (Poster). *Note: Also presented at Discovery Day, Columbia SC 2014*
19. Dolewski, R. D.; Mukosera, G. T.; Adams, T.; Rothbarth, R. F.; Akanda, S.; Snyder, N. L.; **Ruppel, J. V.** “Synthesis of Carbohydrate-Porphyrin (CPCs) and Carbohydrate-Bacteriochlorin Conjugates (CBCs) via Copper-Mediated Azide-Alkyne 1,3-Dipolar Cycloaddition,” 247th ACS National Meeting Dallas, TX **2014** (Poster).
 20. Dolewski, R. D.; Baumgarten, A. C.; Adams, T.; Graepel, K.; Snyder, N. L.; **Ruppel, J. V.** “Synthesis of Carbohydrate-Porphyrin (CPC) and Carbohydrate-Bacteriochlorin Conjugates (CBC) via Metal-Catalyzed Cross-Coupling Reaction,” 245th ACS National Meeting New Orleans, LA, **2013** (Poster). *Note: Also presented at Discovery Day, Columbia, SC 2013.*
 21. Trieu, J.; Kuenstner, E.; **Ruppel, J. V.** “Metalloporphyrin-Catalyzed Tandem S- and N-ylide Formation and [2,3]-Sigmatropic Rearrangement,” 241st ACS National Meeting Anaheim, CA, **2011** (Poster).
 22. **Ruppel, J. V.**; Gauthier, T. J.; Snyder, N. L.; Zhang, X. P. “Asymmetric Cobalt-Catalyzed Cyclopropanation with Succinimidyl Diazoacetate and Acceptor/Acceptor-Substituted Diazo Reagents as Carbene Sources,” 238th ACS National Meeting Washington D.C., MD, **2009** (Oral).
 23. **Ruppel, J. V.**; Subbarayan, V.; Jones, J. E.; Zhang, X. P. “Asymmetric Cobalt-Catalyzed Aziridination with Azides as Nitrene Source,” 238th ACS National Meeting Washington D.C., MD, **2009** (Poster).
 24. **Ruppel, J. V.**; Zhu, S.; Chen, Y.; Zhang, X. P. “Cobalt (II)-Catalyzed Diastereoselective and Enantioselective Cyclopropanation,” National Organic Symposium Boulder, CO, **2009** (Poster).
 25. Zhang, X. P.; **Ruppel, J. V.**; Kamble, R. M.; Jones, J. E.; Huff, C. A. “Cobalt-Catalyzed Nitrene Transfer Reactions with Arylsulfonyl Azides,” 235th ACS National Meeting New Orleans, LA, **2008** (Oral).
 26. Zhang, X. P.; **Ruppel, J. V.**; Chen, Y. “Cobalt-Catalyzed Asymmetric Cyclopropanation,” 235th ACS National Meeting New Orleans, LA, **2008** (Poster).

Current/Continuing Undergraduate Research Students

- Olivia Omoike
 - ER(Up)T Scholar
- Emery Prindle
 - ER(Up)T Scholar

Former/Graduated Undergraduate Research Students

- Rosario Garcia Martinez; USC Upstate Chemistry Major
- Jessica Henderson; USC Upstate Biology Major
- Zytaria G Huges; Graduated Spring 2026 – Chemistry Major.
- Valeria Perez Espinosa-de-las-Monteros; Graduated Fall 2025 – Chemistry Major
- Tessa Greene; Pursing PhD in Organic Chemistry – North Carolina State University
- Paula Melton; Pursuing PhD in Organic Chemistry – University of Illinois Urbana Champaign
- Chris Csabon; Chemist – Santo Lubes
- Katrina McCarter; Pursing PhD in Organic Chemistry – North Carolina State University
- Jessica Silva-Conejo; Chemist - Milliken
- Tigre Pressley; Pursing PhD in Organic Chemistry – University of California Davis

- Coleman Walker; Pursing PhD in Organic Chemistry – North Carolina State University
- Chelsea Valiton; Pursing PhD in Organic Chemistry – University of Utah
- William Bridges; Pursuing PhD in Organic Chemistry – Clemson University
- Matthew R. Parris; Pursuing PhD in Organic Chemistry – Baylor University
- David Shchirov; Attending Medical University of South Carolina Dental School
- Charlie Dixon; Pursuing PhD in Organic Chemistry – University of Illinois Urbana Champaign
- Melissa Lech; Completed Master's Degree in Environmental Sciences – Purdue University
- Ana Frances Lozano (Study Abroad Student from Spain); Completed Bachelor's and Master's Degrees in Chemistry – University of Alicante (Spain) and is currently teaching in her home country
- Noura Abualeinan; Completed Master's Degree in Community Health – Furman University
- Matthew Bennion; Completed Master's Degree in Chemical Engineering – University of Birmingham (UK)
- Austen Henderson; Lab Associate – Baxter Healthcare
- Jeff Gregory; Chemist – Bausch and Lomb
- Toby Taylor; Chemist – Bausch and Lomb
- Justine Howard; Senior Quality Analyst – Ortec
- David Enyart; Completed Medical Degree – University of South Carolina School of Medicine Greenville
- David Dennis; Completed PhD in Organic Chemistry – University of Illinois Urbana Champaign
- Brittney Doornbos; Completed Medical Degree – Edward Via College of Osteopathic Medicine
- Brain Blough; Completed PharmD at the Medical University of South Carolina College of Pharmacy
- Elizabeth Baker; Completed Medical Degree – University of South Carolina School of Medicine
- Ryan Dolewski; Completed PhD in Organic Chemistry – Colorado State University; Medicinal Chemist at ThermoFisher
- Steve Kerbs; Completed Physical Therapy Degree – Marymount University
- Dylan Porter; Completed PharmD – University of South Carolina School of Pharmacy
- Tyler Farnsworth; Completed PhD – University of North Carolina Chapel Hill

Professional Service (*selected items*)

- Co-Chair, South Carolina Governor's Awards in Excellence in Science, 2026 – Present
- Symposium Co-Organizer; Undergraduate Research Papers (Oral), 2012 – 2024
 - American Chemical Society National Meetings, Division of Chemical Education
- Session Chair; Undergraduate Research Papers (Oral), 2012 – 2024
 - American Chemical Society National Meetings, Division of Chemical Education
- Symposium Organizer and Session Chair; Porphyrins & Related Macrocycles in Undergraduate Teaching and Research (Oral; Invited Speakers), 2018 – 2019
 - American Chemical Society National Meetings, Division of Chemical Education

University Service (*selected items*)

- Strategic Plan Tactic Leader, 2026 – Present

Ruppel, J.V.

- Co-Chair, SC Upstate Research Symposium, 2021 – Present
- Editor, USC Upstate Research Journal, 2021 – Present
- Member, NSE Advisory Committee, 2015 – Present
- Member, JBCE Peer Review Committee, 2022
- Member, NSE P&T Unit Criteria Review Committee, 14' – 15', 19' – 21'
- Member, IES Peer Review Committee, 2020, 2022
- Member, Chemistry Program External Review Committee, 2019-2020
- Member, P&T Committee (elected), 2018 – 2020
- Member, Provost and SVCAA Search Committee (Chancellor appointed), 2019
- Member, Executive Director of Academic Innovation Search Committee, 2019
- **Chair**, Assistant Professor of Biochemistry Search Committee, 2018 – 2019
- Member, Physical Learning Environment Assessment Team, 2018 – 2019
- **Chair**, Student Services Committee, 2017 - 2018
- Member, Student Services Committee, 2015 – 2018
- Member, NSE Peer Review Committee, 2017 – 2018
- Member, NSE Scholarship Committee, 2013 – 2018
- Member, Faculty Senate, 2012 – 2015
- Member, Chancellor's Focus Group, 2013 – 2014
- Member, Chemistry Instructor Search Committee, 2013
- Member, NSE Chair Search Committee, 2013
- Member, Assistant Professor of Analytical Chemistry Search Committee, 2012

Community Service

- Judge, Piedmont Region III Science Fair, 2012 – Present