Tia Louise Walker Ph.D.

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Current Position:

2019-	Associate Professor of Chemistry, Indiana University Northwest
2013-	Assistant Professor of Chemistry, Indiana University Northwest
2013-	Visiting Research Scholar, Chemistry Department, The University of Akron
2014-	Visiting Research Scholar, Chemistry Department, Indiana University Bloomington

Previous Academic Positions:

2013	Visiting College Lecture,	The IL	a f Alenan	Alman OII
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Previous Industrial Positions:

2006-2007	Frantz BioMarkers LLC, Mentor OH
2005-2006	The Sherwin Williams Company Breen Technology Center, Cleveland OH
2001-2005	Curragh Chemistries Bio Enterprise Inc. Cleveland OH

Education:

Ph.D., Chemistry, The University of Akron, Akron OH	
Dissertation: Synthesis and Complexation of Thia-Aza Donor Ligands	
B.S. Biology, Minor Chemistry Cleveland State University, Cleveland OH	

Membership in Professional Organizations

2019-	Faculty Advisor for IUN Student Chapter American Chemical Society (ACS)
2017-	Faculty Advisor for Student National Medical Association (SNMA) Minority Association
	of Pre-Medical Students (MAPS)
2016-	Council of Undergraduate Research (CUR)
2013-	American Chemical Society (ACS)
2013-	National Association of Advisors for Health Professions (NAAHP)

Research Activities

I. Published Manuscripts

- Shuvaev, S.; Suturina, E.,A; Rotile, N. J.; Astashkin, A.; Ziegler, C. J.; Ross, A. W.; Walker, T. L.; Caravan, P.; Taschner, I. S. *Revisiting dithiadiaza macrocyclic chelators for copper 64 PET imaging*. Dalton Transactions, **2020**, DOI:10.1039/d0dt02787a.
- Taschner, I. S.; Walker, T. L; Chandra M. S.; Schrage, B. R.; Ziegler, C. J.; Gao, X.; Wheeler, S. E., *Topomeric aza/thia cryptands: synthesis and theoretical aspects of in/out isomerism using n-alkyl bridging*. Organic Chemistry Frontiers, 2020, DOI: 10.1039/D0QO00123F
- Taschner, I. S.; Walker, T. L.; DeHaan, H. S.; Schrage, B. R.; Ziegler, C. J.; Taschner, M. J. Synthesis, Characterization and Copper(II) Chelates of 1,11-Dithia-4,8-diazacyclotetradecane. Journal of Organic Chemistry, 2019, DOI: 10.1021/acs.joc.9b01682
- Walker, T. L.; Taschner, I. S.; Chandra M. S.; Taschner, M. J.; Engle, J. T.; Schrage, B. R.; Ziegler, C. J.; Gao, X.; Wheeler, S. E., Lone-Pair-Induced Topicity Observed in Macrobicyclic Tetra-thia Lactams and Cryptands:Synthesis, Spectral Identification and Computational Assessment. Journal of Organic Chemistry, 2018, DOI: 10.1021/acs.joc.8b01382

- Taraboletti, <u>T. Walker</u>, R. Avila, H. Huang, J. Caporoso, E. Manandhar, T. Leeper, D. Modarelli, S. Medicetty, and L. Shriver, *Cuprizone intoxication induces cell intrinsic alterations in oligodendrocyte metabolism independent of copper chelation* Biochemistry, 2017, DOI: 10.1021/acs.biochem.6b01072
- Tia L. Walker, Wilhelm Malasi, Sam Mula, Art Van der Est., James T. Engle, C. Ziegler and M. J. Taschner *Blue Copper Protein Analogue: Synthesis and Characterization of Copper Complexes of the N2S2 Macrocycle 1,8-dithia-4,11-diazacyclotetradecane*, Dalton Transactions, **2015**, *44*, 20200-20206. DOI: 10.1039/C5DT03389F
- Tia L. Walker, Wilhelm Malasi, Swaranjali Bhide, Thomas Parker, Dan Zhang, Abegel Freedman, Jody M. Modarelli, James T. Engle, Christopher J. Ziegler, Paul Custer, Wiley J. Youngs, Michael J. Taschner*, *Synthesis and characterization of 1,8-dithia-4,11-diazacyclotetradecane* Tetrahedron Letters, Volume 53, Issue 48, 28 November **2012**, Pages 6548-6551, ISSN 0040-4039, 10.1016/j.tetlet.2012.09.088.

II. Manuscripts submitted/in preparation

• Tia L. Walker, Ian S. Taschner, M. Sharath Chandra, Luiza Gomes, Tim Storr, Xinfeng Gao, and Steven E. Wheeler, Redox Active Thia Containing Cryptands: Blue Copper Protein Analogs, Journal of Biological Inorganic Chemistry (in process)

III. Research Funding Sources: Total Grants Awarded \$495,885.32

- 2017 IUN ODEMA M.O.R.E awarded: **\$1000.00**
 - \$500.00 awarded to research advisor for each student to cover research related expenses. Undergraduate Research Students: Lydia Sadlowski, and Jennifer Mischevich.
- 2016-2019 National Institute of Health, NIH/NIGMS R15 The University of Akron and Indiana University Northwest, awarded **\$469,100.00** (PI Leah Shriver/The University of Akron) **\$45,000** (IUN)
- 05/2015 Summer Faculty Fellowship for Research, Indiana University Northwest, awarded: \$11,000
- 02/2015 Grant-in-Aid of Research, Indiana University Northwest, awarded: **\$1948.32**
- 05/2014 Summer Faculty Fellowship for Research, Indiana University Northwest, awarded: \$11,000
- 02/2014 Grant-in-Aid of Research, Indiana University Northwest, awarded: **\$1,837.00**

IV. Student Research Funding Sources – Total \$9,800.00

- 2019 IUN ODEMA M.O.R.E Award –Brittany Armstrong (\$1000.00)
- 2016 IUN ODEMA M.O.R.E. Award Lydia Sadlowski (\$1000.00)
- 2016 IUN ODEMA M.O.R.E. Award Jennifer Mishevich (\$1000.00)
- 2015 IUN Undergraduate Research Fund Alexander Maskovich (\$2500.00)
- 2015 IUN Undergraduate Research Fund Valerie Keehn (\$2500.00)

V. Research Funding Applications Reviewed but <u>not funded</u>: \$661,981.00

• 2015 Indiana University Collaborative Research Grant (IUCRG) Pi: Kasem Kasem CoPi Tia Walker and Simran Banga entitled *Photo-electrochemical Studies on Some Thiophene-*

based Compounds in Inorganic/Organic Interfaces Assemblies; Energy and Environmental Impacts \$75,000

• 2015 National Science Foundation-Major Research Instrumentation NSF-MRI Pi: Daniel Kelly Co Pi's Tia Walker, Kristin Huysken, Harold Olivey, Zoran Kilibarda, Erin Argyilan and Peter Avis entitled *MRI: Acquisition of a Field Emission Scanning Electron Microscope and Related Ancillary Equipment for Research and Education* **\$586,981**

VI. Presentations and Posters

- A. Taraboletti, <u>T. Walker</u>, R. Avila, H. Huang, J. Caporoso, E. Manandhar, T. Leeper, D. Modarelli, S. Medicetty, and L. Shriver. "Global Metabolomic Profiling Identifies Novel Mechanism of Cuprizone-Mediated Oligodendrocyte Dysfunction", ASMS, Indianapolis, IN: June 4-8 2017 (Abstract ID 290289)
- <u>Tia L. Walker</u>, Ian S. Taschner, Anthony Partacz, James T. Engle, Christopher J. Ziegler, Luiza Gomes, Tim Storr, Sam Mula, Art van der Est, Gao, Xinfeng and Michael J. Taschner "Small Molecular Analogs of Biological Catalysts: Nitrogen and Sulfur Containing Cryptands" Penn State BioInorganic Chemistry Conference, June, **2016** (P48)
- <u>T. L. Walker</u>, M.J. Taschner, W. Malasi, S. Bhide, T. Parker. "Synthesis and Characterization of 1,8-dithia-4,11-diazacyclotetradecane." 5TH Georgian Bay International Conference on BioInorganic Chemistry Ontario, Canada: May 19 – 23, 2015. (P20)
- <u>T. L. Walker</u>, M.J. Taschner, W. Malasi, S. Bhide, T. Parker. "Synthesis and Characterization of 1,8-dithia-4,11-diazacyclotetradecane." ACS National Meeting, Boston, MA: August 22 25, **2010**. (P188)

VII. Research Student Presentations and Posters/Conferences

Lecture Presentations

East Central Illinois – American Chemical Society University of Illinois at Urbana-Champagne

 Lydia Sadlowski, Tia L. Walker; Ian S. Taschner, Xingeng Gao and Steven Wheeler: Further Development of Synthesis and Characterization of the N2S2 Ligand as a Tunable Cryptand, 2nd Annual ECI-ACS University of Illinois - Urbana-Champagne, IL, October 14 2017

COAS Undergraduate Research Conference – Indiana University Northwest

- <u>Lydia Sadlowski</u>, Ian S. Taschner, and Tia L. Walker; "Synthesis and Investigation of the N2S2 Ligand as a Tunable Carbon Cryptand" COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 26 2018**
- <u>Angel Olvera</u>, and Tia L. Walker; "Optimization of Diaza-dithia cryptands" COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 26 2018**
- <u>Christine Valentin</u>, and Tia L. Walker; "Nosylation and Cleavage of Cystamine Dichloride to Afford Antibacterial Agents" COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 26 2018**
- Dalton Sommer, Tia L. Walker Elucidation of Cuprizone N2S2 Copper Ligate: It's Role in Multiple Sclerosis COAS Undergraduate Research Conference at Indiana University Northwest: Apr. 21 2016
- Tony Partacz, Tia L. Walker, Ian S. Taschner. "Synthesis and Characterization of Nitrogen and Sulfur-Containing Cryptands for Heavy Metal Chelation" COAS Undergraduate Research Conference at Indiana University Northwest: Apr. 21 2016

- <u>Alexander Topete</u> Ian S. Taschner, and Tia L. Walker; "A Biological Catalyst" COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 2 2015**
- <u>Valerie Keehn</u>, Ian S. Taschner, and Tia L. Walker; "Stabilized CuI NS Containing Cryptands" COAS Undergraduate Research Conference at Indiana University Northwest: Apr. 2 2015
- John Ziebiec, Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Models: Synthesis and Characterization of Copper Complexes of the N2S2 Macrocycle 1,8-dithia-4,11-diazacyclotetradecane" COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 2 2015**
- <u>Kyle Tomczak,</u> Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Analogs:Hydroxy/Thio-Pendant Arm Derivatives of 14[ane]N2S2. COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 2 2015**
- <u>Christopher Sicinski</u>, Ian S. Taschner, and Tia L. Walker; "The Use of Heterocyclic Macromolecules in PET Imaging' COAS Undergraduate Research Conference at Indiana University Northwest: **Apr. 2 2015**

Undergraduate Research Conference, in Science, Health and Medical Professions-Indiana University Northwest

- <u>Alexander Topete</u> Ian S. Taschner, and Tia L. Walker; "A Biological Catalyst" Undergraduate Research Conference, in Science, Health and Medical Professions & The Nancy Mangini Memorial Research Lecture: **Apr. 24 2015**
- <u>Valerie Keehn</u>, Ian S. Taschner, and Tia L. Walker; "Stabilized CuI NS Containing Cryptands" Undergraduate Research Conference, in Science, Health and Medical Professions & The Nancy Mangini Memorial Research Lecture: **Apr. 24 2015**
- John Ziebiec, Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Models: Synthesis and Characterization of Copper Complexes of the N2S2 Macrocycle 1,8-dithia-4,11-diazacyclotetradecane" Undergraduate Research Conference, in Science, Health and Medical Professions & The Nancy Mangini Memorial Research Lecture: Apr. 24 2015
- <u>Kyle Tomczak,</u> Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Analogs:Hydroxy/Thio-Pendant Arm Derivatives of 14[ane]N2S2. Undergraduate Research Conference, in Science, Health and Medical Professions & The Nancy Mangini Memorial Research Lecture: **Apr. 24 2015**
- <u>Kyle Tomczak,</u> Ian S. Taschner, and Tia L. Walker; "Small Molecular Analogs of the Blue Copper Protein: NS₂." Undergraduate Research Conference in Science, Medicine and Health Professions. IUN: **April 25, 2014**

Undergraduate Symposium at Argonne National Laboratory - Illinois

- John Ziebiec, Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Models: Synthesis and Characterization of Copper Complexes of the N2S2 Macrocycle 1,8-dithia-4,11-diazacyclotetradecane" Undergraduate Symposium at Argonne National Laboratory: Nov. 7 2014
- <u>Alexander Topete</u> Ian S. Taschner, and Tia L. Walker; "A Biologically Inspired Catalyst" Undergraduate Symposium at Argonne National Laboratory: **Nov. 7**
- <u>Kyle Tomczak</u>, Ian S. Taschner, and Tia L. Walker; "Small Molecular Analogs of the Blue Copper Protein: Thio pendant arm derivatives of 1,4-dithia-7-azacyclononane" Undergraduate Symposium at Argonne National Laboratory: **Nov. 7 2014**

Poster Presentations

East Central Illinois – American Chemical Society University of Illinois at Urbana-Champagne

• <u>Jeffrey Dykstra,</u> Laila Nawab, Tia L. Walker, and Ian S. Taschner. Unknown Nepetalactone Isomer Elucidation from Nepta Citriodora Extract. Poster 44 4th Annual ECI-ACS, Urbana Champagne, **November 16, 2019**

- <u>Hunter DeHaan</u>, Tia L. Walker, and Ian S. Taschner Synthetic Optimization of PET-Imaging Ligands: Aza-Thia 14-membered Heteromacrocycles, 3nd Annual ECI-ACS, Urbana Champagne, **November 17, 2018**
- <u>Jennifer Mishevich</u>, Tia L. Walker Understanding Multiple Sclerosis and the Mechansim of Demyelination, 2nd Annual ECI-ACS, Urbana Champagne, **October 14, 2017**

Louis Stokes Midwest Center of Excellence (LSAMP) Indianapolis, IN

• <u>Lydia Sadlowski</u>, Tia L. Walker, and Ian S. Taschner "Synthesizing a Carbon Bridge: The N2S2 Ligand." Louis Stokes Midwest Center of Excellence (LSAMP) Sheraton Indianapolis Hotel, IUPUI, Indianapolis

American Chemical Society (ACS) National Conference

- <u>Sadlowski, Lydia M.</u>; Walker, T. L. Taschner, I. S. Investigations into Ligand Tunability: Synthesis and Characterization of NS containing cryptands. *Abstracts of Papers, 255th ACS National Meeting & Exposition* New Orleans, LA March 18-22, **2018** (CHED-1468)
- John Ziebiec, Ian S. Taschner, and Tia L. Walker; Blue Copper Protein Models: Characterization of Copper (I/II) Complexes of the N2S2 Macrocycle 1,8-dithia-4,11-diazacyclotetradecane and derivatives, 249th ACS National Meeting Denver, CO: March 26 **2015** (CHED 1191)
- <u>Valerie Keehn</u>, Ian S. Taschner, and Tia L. Walker; Stabilized Copper (I) N,S Containing Cryptands, 249th ACS National Meeting Denver, CO: March 26 **2015** (CHED 1283)

Indiana University Undergraduate Research Conference (IUURC) Indianapolis IN

- <u>Valerie Keehn</u>, Ian S. Taschner, and Tia L. Walker; "Cu II/I Containing Heteromacrocylic Ligands "19th Annual Indiana University Undergraduate Research Conference: Nov. 21 2014
- John Ziebiec, Ian S. Taschner, and Tia L. Walker; "Blue Copper Protein Models: Synthesis and Characterization of Copper (I/II) Complexes of the N₂S₂ Macrocycle: Pendant Arm Derivatization using NS₂ macrocyle" 19th Annual Indiana University Undergraduate Research Conference: Nov. 21 2014
- <u>Alexander Topete</u> Ian S. Taschner, and Tia L. Walker; "A Biologically Inspired Catalyst: CuI/CuII Complexes" 19th Annual Indiana University Undergraduate Research Conference: **Nov. 21 2014**
- <u>Kyle Tomczak,</u> Ian S. Taschner, and Tia L. Walker; "Small Molecular Analogs of the Blue Copper Protein: Thio pendant arm derivatives of 1,8-dithia, 4-11-diazacyclotetradecane" 19th Annual Indiana University Undergraduate Research Conference: **Nov. 21 2014**

VIII. Research Grade Instrumentation Obtained

- 07/2017 400 MHz Nuclear Magnetic Resonance (Varian/Mercury)
- 02/2017 Rotary Evaporator with Glycol Chiller (IKA)
- 02/2017 FTIR (Jasco)

IX. List of Current Undergraduate Research Students

X. List of Former Undergraduate Research Students

- Brittany Armstrong (2019-2020)
- Jeffery Dykstra (2018-2020) Matriculated to Indiana University School of Medicine
- Hunter DeHaan (2018-2019) Doctoral Candidate, Organic Chemistry Duke University
- Angel Olvera B. S. Chemistry (2018)
- Christine Valentine B. S. Chemistry (2017-2018) Pharmacy, Purdue
- Jennifer Mishevich B.S. Chemistry (2016-2018) Doctoral Candidate, Organic Chemistry Purdue
- Lydia Sadlowski B.S. Chemistry (2016-2017)

- Dalton Sommers B.S. Chemistry (2015-2017)
- Anthony Partacz B.S. Chemistry (2015-2016) QC Manager at BP
- Alexander Maskovich B.S. Chemistry (2015-2016)
- Saad Aftab B.S. Chemistry (2015)
- John Zieiec B.S. Chemistry (2014-2015) Doctoral Candidate in Chemistry University of Oregon
- Valerie Keehn B.S. Chemistry (2014-2015) Chemistry Technician Willamette Valley Company, Eugene Oregon
- Christopher Sicinski B.S. Chemistry (2014-2015) Dental School, IU Indianapolis
- Alexander Topete General Studies (2014-2015) DO, Burrell College of Osteopathic Medicine New Mexico
- Kyle Tomczak B.S. Chemistry (2014-2015) Doctoral Candidate, Chemistry University of Illinois Urbana Champagne.
- Xochilt "Lucy" Villalobos B.S. Psychology (2015) MS in Education Indiana University
- Stephan Zajac B.S. Chemistry (2013-2014) Loyola Chicago
- Joshua Davidson B.S. Chemistry, Honors (2010-2012) Doctoral Candidate, Biochemistry University of Texas Dallas
- Ryan Canatsey: B.S. Chemistry, Honors (2009-2011) Doctoral Student, Pharmacology and Toxicology, University of Arizona
- Jon Montemayer B.S. Chemistry, Honors (2008-2010) MD The Ohio State College of Medicine

XI. Professional Development

- 2020, CUR Dialogues Professional development for grant writing, and faculty mentoring.
- 2018, Inaugural IU Women's Day Conference Professional and personal development conference with sessions on the value of Mentoring for Career Advancement, Negotiation tips for women, Authenticity, Awareness & Action: Empowering Young Woman as Future Leaders
- 2016, Penn State BioInorganic Conference Eight-day intensive workshop on current analytical techniques in bioinorganic chemistry
- 2015, 5th Georgian Bay International Conference on Bioinorganic Chemistry (CanBIC5) Small and specialized conference devoted to biological chemistry of metals. The symposia brings leading scientists together from across the world who directly research these areas to share their research and discuss new and upcoming topics
- 2014, Regional Campus Research/Creative Activity Workshop Attended workshops in the areas of Undergraduates in Research/Creative activity, IU Creative Research/Activity Infrastructure, and Research Session for Pre-Tenured Faculty. Workshop was designed to increase collaboration amongst IU campus as well as project/course development
- 2014, Pre-medical Advising and Medical School Admissions Workshop Event featured workshops and recruiters who discussed how individual medical schools screen applicants, research and professionalism, MCAT 2015 guidelines, Health Professions Advisors Update, Medical School Updates, Open Form to discuss information with several medical schools.

XII. Fellowships

- 2007 The Flexsys America L.P. Scholars in Chemistry
- 2007 Russell A. Levigni Fellowship

XIII. Reviewer Activity

- Journal of Scholarship of Teaching and Learning (2020)
- Dalton Transactions (2019)
- National Center for Case Study Teaching in Science, University of Buffalo, Review of a case study 2014, 2019

Teaching Activities

XIV. Nominated Awards in Teaching Excellence

- 2018 IU Northwest Founders Day Teaching Award Nominee
- 2017 IU Northwest Founders Day Teaching Award Nominee (applied but did not receive)
- 2017 IU Northwest New Advisor Award Nominee
- 2016 IU Northwest Founders Day Teaching Award Nominee
- 2014 Northwest Founders Day Teaching Award Nominee

XV. Received Awards in Teaching Excellence

- 2016 IU Trustees' Teaching Award
- 2011 Outstanding Department of Chemistry Graduate Teaching Award
- 2008 Outstanding Department of Chemistry Graduate Teaching Award

XVI. Course/Program Development

- 2017 Development of B.S./B.A Biochemistry Degree
- 2017 Developed New Course Biochemistry Laboratory Course (C-486)
- 2017 Developed New Course for Biochemistry I/II series (C-484 and C485)
- 2016 Development of B.S. Chemistry Honors Program

XVII. Professional Development in Teaching

• 2014 Attend Regional Campus Research/Creative Activity Workshop

XVIII. Courses Taught

- **Biomolecules and Catabolism (C-484)** Structure and catalysis of amino acids, proteins, carbohydrates, lipids and biological membranes, transport and bio-signaling.
- **Biosynthetic Pathways and Central Metabolism (C-485)** Bioenergetics and the metabolism, carbohydrate metabolism, lipid metabolism, amino acid metabolism
- **Biomolecules and Catabolism Laboratory (C-487)** Laboratory instruction in the fundamental techniques in biochemistry including: Separation of macromolecules by electrophoresis, and anion exchange, isolation purification and analysis
- **Biological Chemistry (C-483)** Introduction to structure, chemical properties, and interrelationships of biological substances.
- **Organic Chemistry I/II (C-341, 342)** Chemistry of carbon compounds. Nomenclature; qualitative theory of valence; structure and reactions. Syntheses and reactions of major classes of mono-functional compounds.
- Organic Chemistry I/II Laboratories (C-343, 344) Discussion of laboratory experiments including explanation of reaction mechanisms and conditions and to develop techniques in organic chemistry and illustrate principles. Hands on interaction with each student throughout the entire course.

- Chemistry for Life (C-110) Intended for non-science majors, the qualitative survey of chemistry with applications to biology and health. Emphasis is placed on foundation chemistry and the chemistry of biomolecules and their interactions
- General, Organic and Biochemistry Introduction to principles of chemistry, fundamentals of inorganic, organic and biochemistry. Structure and chemistry of carbohydrates, lipids, proteins; biochemistry of enzymes, metabolism, radiation.
- Qualitative Analysis Laboratory (154) Laboratory course applying principles of chemical equilibrium to inorganic qualitative analysis

Service Activities

Faculty Affairs Super Committee Co-Chair (2020)

The Academy at IU Northwest (2019) Participated in the development of this group for student retention at IUN. Helped with the application process, obtainment, video creation. Students with mentors participate in interdisciplinary symposia and cooperative research projects

College of Arts and Science Student Research Conference Committee Participated in coordinating and hosting the COAS conference. An undergraduate conference that highlights the STEM research performed at IU Northwest. (2016-Current)

Undergraduate Research Conference in Science, Medicine and Health Committee Participated in coordinating and hosting the URC event. A student conference that highlight the research by IU Northwest students and IU School of Medicine Northwest (2014 and 2015)

Chemdraw: Department Contact Investigated and Implemented a site license of ChemDraw for the IUN Campus.

Facebook: Department Website Initiated, develop and maintain the Department of Biochemistry and Chemistry Facebook site. This was created in 2017 to highlight department news, activities and students.

Facebook: Chemistry Club (ACS Student Chapter) Initiated, develop and maintain the Chemistry Club Facebook site. This was created in 2019 to highlight news, activities and students.

Department Style Guide Implementation for Written Lab Reports Committee to design and implement a department wide style guide for writing full-length lab reports in chemistry.

Regional Science Olympiad Competition Middle/High school science competition

- 2016- Current Food Science Division B Chemistry Event
- 2014: Environmental Chemistry Division CT Event

You Be The Chemist Challenge Interactive academic contest that encourages students in grades 5-8 to explore chemistry concepts and real world applications. 2016: Event Moderator

Freshman to Physician Experience Discuss chemistry curriculum in regards to the premedical/pre-health professions to high schools' students interested in attending IU Northwest. (Yearly)

IU Northwest Fall Preview Night Provide information to incoming freshman students regarding the chemistry curriculum as well as host live chemistry demonstrations (yearly)

Spring Commencement Ceremony In support of IU Northwest graduating chemistry students (yearly)

Library Committee Discuss library budgets, resources, department allocations, online expansions, including library collections development and feedback (yearly)

Calendar Committee Discuss and propose revisions to the current/future academic calendar (2015)

Pre-Professional Studies Club Attend selected meetings and activities, monitor elections as well as serve on the awards committee

FIRST Tech Challenge (FTC) Event Judge Engineering event designed for student grades 6-12 to compete in the design, building, and programing of robots. Robots were submitted to competitions against other teams. (2014)