VINCENT SICHULA, PHD: CURRICULUM VITAE

Name: Vincent Albert Sichula, **PhD**

Mailing and Contact Address

Taylor University

Chemistry & Biochemistry Department

1846 Main Street

Upland, Indiana 46989

Email: **vincent_sichula@taylor.edu**

Phone: 765-998-5331

Professional Experience and Appointments

Professor of Chemistry, Chemistry & Biochemistry Department, Taylor University, Upland, Indiana, **USA** (8/2023-present), **full**

Associate Professor of Chemistry, Chemistry & Biochemistry Department, Taylor University, Upland, Indiana, **USA** (8/2020-8/2023), **full time**

Assistant Professor of Chemistry, Chemistry & Biochemistry Department, Taylor University, Upland, Indiana, **USA** (8/2018-8/2020), **full time**

Assistant Professor of Chemistry, Chemistry Department, Winona State University, Winona, Minnesota, **USA** (8/2014-8/2018), **full time**

Assistant Professor of Chemistry, Physical Sciences Department, Nicholls State University, Thibodaux, Louisiana, **USA** (01//2011-06/2014), **full time**

Teaching and Research Assistant: Chemistry Department, Bowling Green State University, Bowling Green, Ohio, **USA** (08/2006-12/2010)

Education

2006, August- 2010, December: PhD in Chemistry specializing in organic and physical chemistry, **Bowling Green State University, OH, USA**,

Dissertation Title: Flavins and their Analogues as Natural and Artificial Catalysts

Research Advisor: Dr. Ksenija D. Glusac

2001, June-2005, June: Bachelor's Degree of Engineering in Chemical Engineering and Biotechnology, **Moscow State University of Fine Chemical Technology, Moscow Russia**

Teaching Experience:

Taylor University: Associate/Assistant Professor of Chemistry: 08/2018-present

Directed Research, **CHE 450:** (every semester, 2019, 2020,2021,2022, 2023 total of **26 students** supervised)

Directed Research FMUS, **CHE 450:** (summer 2019,2020,2021,2022, a total of **12 students** supervised)

Organic Chemistry II, **CHE 312:** (spring 2019, spring 2020, spring 2021, spring 2022)

Organic Chemistry II Laboratory, **CHE 312:** (spring 2019, spring 2020, spring 2021, spring 2022 a total of **12 sections**)

Organic Chemistry I, **CHE 311:** (fall 2018, fall 2019, fall 2020, fall 2021, fall 2022)

Organic Chemistry I Laboratory, **CHE 311:** (fall 2018, 2019,2020,2021, 2022 a total of **15 sections**)

General, Organic, Biochemistry I, **CHE 201:** (fall 2018, fall 2019, fall 2020, fall 2022)

General, Organic, Biochemistry II, **CHE 202:** (spring 2022)

Winona State University: Assistant Professor of Chemistry: 08/2014-07/2018

Organic Chemistry Survey, **CHEM 340:** (spring 2015, spring 2016, spring 2017)

Organic Chemistry Survey Lab, **CHEM 340:** (spring, 2015, spring, 2016, spring 2017, total of 10 sections)

Principles of Organic Chemistry I, **CHEM 350:** (Summer, 2017**)**

Principles of Organic Chemistry II Lab, **CHEM 351:** (spring 2015, spring 2016, summer 2016, spring 2017)

Chemistry Research, **CHEM 461:** (every semester, 2016, 2017, and 2018)

Individual Projects in Chemistry, **CHEM 431:** (every semester, 2015, 2016, 2017, and 2018)

Principles of Chemistry II, **CHEM 213:** (Summer Semester 2017)

Principles of Chemistry II, Lab Class, **CHEM 213:** (summer 2016, spring 2017, spring 2018, total of 5 sections)

Principles of Chemistry I Lab, **CHEM 212:** (summer 2015, fall 2017, spring 2018, total of 5 sections)

General, Organic and Biochemistry I &II, **CHEM 210:** (fall 2015, fall 2016, fall 2017)

General, Organic and Biochemistry Lab I &II, **CHEM 210:** (fall 2015, fall 2016, fall 2017, total of **16 sections**)

Chemistry in Our World, **CHEM 107/106:** (fall, 2014, spring 2017,

Chemistry in Our World with Lab, **CHEM 107:** (fall 2014, spring 2015, fall 2016, spring 2017)

Introductory Chemistry, CHEM **100:** (spring 2017)

Organic Chemistry II, and General Chemistry II Reviews, (**Fall Semester, 2014**)

Nicholls State University: Assistant Professor of Chemistry: **01/2011-05/2014**

Advanced Organic Chemistry, **CHEM 421:** (spring 2013, spring 2014)

Intermediate Organic Chemistry, **CHEM 327:** (fall 2011, fall 2012, fall 2013)

Organic Chemistry II, **CHEM 222:** (fall 2011, fall 2012, summer 2012, spring 2013, summer 2013, spring 2014)

Organic Chemistry I, **CHEM 221:** (spring 2011, spring 2012, fall 2013)

Organic Chemistry Lab, **CHEM 226:** (every semester, from spring 2011 to spring 2014, total of 9 sections)

Research Problems, **CHEM 451:** (Every semester: spring 2011 to fall 2014, a total of 11 students supervised)

Senior Seminar, **CHEM 450:** (spring 2014)

Introduction to Chemistry Literature, **CHEM 319:** (fall 2011, fall 2012, fall 2013)

Introductory Chemistry Lab, **CHEM 110:** (spring 2011, spring 2012, spring 2013, total of 3 sections)

Introductory Chemistry I, **CHEM 105:** (spring 2014)

Bowling Green State University: Teaching Assistant:

Organic Chemistry (**Spring, 2010, fall 2010**, **fall 2009**, **summer 2008, fall 2008)**

General Chemistry (**Summer 2010**, **Summer 2009, fall 2007**),

Chemistry and Biochemistry, (**fall, 2006, spring 2007, Summer 2007**)

Research Projects

My research projects and interests can be divided into seven categories:

1) Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors as Drugs for the Prevention and Treatment of Neurodegenerative Diseases

2) Design and Preparation of Organic Compounds as VEGFR-2 Kinase Inhibitors as Drugs for Anti-Cancer Studies

3) Electrochemical and Photophysical Studies of VEGFR-2 Kinase Inhibitors as Drugs for Anti-Cancer Studies

4) Design and Preparations of Catalysts for Electrochemical Conversion of Carbon Dioxide to Liquid Fuels Such as Methanol

5) Preparations of Organic Compounds for Organic Light Emitting Diodes (OLEDs)

6) Synthesis and Design of Organic Dye-Sensitizers for Solar Cells

7) Extraction of Thymoquinone from Nigella Sativa Seeds and Its Characterization

8) Preparations of Prodigiosin and its Analogues for anticancer studies

Publications

1) Vincent A. Sichula, Synthesis and Characterization of a Metal-Free Organic Dye-Sensitizer for Solar Cell: An Advanced Organic Chemistry Research-Based Laboratory
Journal of Chemical Education, American Chemical Society,
J. Chem. Educ., 2023, 100 (1), 279–288

2) Vincent A. Sichula, Synthesis of 4-(Dimethylamino)benzyl Alcohol via Vilsmeier-Haack Formylation Reaction. An Organic Chemistry Laboratory Experiment for Upper-Division Undergraduate Students
Journal of Chemical Education, American Chemical Society, **in revision mode**

3) Paige O'Connor, Kendra Russell, Jocelyn Pletcher, Nehemiah Rio, Parker Newman, Stephen Susman Vincent Sichula
Design and Synthesis of New Phenothiazine Derivatives as MAO-B Inhibitors,
Journal of Medicinal Chemistry, American Chemical Society, **in submission mode**

4) Chris Chiodo, Kailyn Schueller, Lydia McGiness, and Vincent Sichula
Preparation of VEGFR-2 Kinase Inhibitors with Targeted Angiogenic Suppression
Journal of Enzyme Inhibition and Medicinal Chemistry, **in submission mode**

5) Kailyn Schueller and Vincent Sichula Electrochemical and Photophysical Studies of Amides
American Chemical Society Omega (ACS Omega), **in submission mode**

6) Vincent A. Sichula, Synthesis of 10-Ethyl Flavin: A Multistep Synthesis Organic Chemistry Laboratory Experiment for Upper-Division Undergraduate Students, *J. Chem. Educ.*, **2015**, *92* (9), 1539–1542

7) Vincent Sichula[1], Ying Hu[1], Ekaterina Mirzakulova[1], Ying Hu[1], Samuel F. Manzer[2], Shubham Vyas[2], Christopher M. Hadad[2] and Ksenija D. Glusac[1], The Mechanism of N(5)-Ethyl-Flavinium Cation Formation Upon Electrochemical Oxidation of N(5)-Ethyl-4a-Hydroxyflavin Pseudobase, *J. Phys. Chem. B* **2010,** 114,9454-9461

8) Vincent Sichula[1], Pavel Kucheryavy[1], Renat Khatmullin[1], Ying Hu[1], Ekaterina Mirzakulova[1], James Yarnell[1], Shubham Vyas[2], Samuel F. Manzer[2], Christopher M.Hadad[2] and Ksenija D. Glusac[1], **Electronic Properties of N(5)-Flavinium Ion** *J. Phys. Chem. A* **2010,**114,12138-12147

9) G. Li, **V. Sichula**, K. D. Glusac,"The Role of Adenine in Thymine Dimer Repair by Reduced Flavine-Adenine Dinucleotide ", *J.Phys.Chem.B*, **2008**, 112, 10758-10764

Awards and Grants

1. National Science Foundation (NSF), 08/17/2022,

MRI: Acquisition of a Biomolecular Imaging System for Research and Education

$ 184, 270, Funded,

Emil Khisamutdinov, **Principal Investigator,** Ball State University

Vincent Sichula, **Collaborator,** provided letter of support, Taylor University

2. Faculty Mentored Undergraduate Research (FMSU), Taylor University, 05/2022,

$ 7,390, **Funded, Principal Investigator**

3. American Chemical Society (ACS) Petroleum Research Fund, 03/2022,

$70, 000, **Not funded, revision requested**, **Principal Investigator**

Design and Synthesis of Functionalized Acene, and Quaterrylene Diimides end-capped with Rhenium Bipyridine for Electrocatalytic Conversion of Carbon Dioxide to Fuels

4. Women Giving Circle, Taylor University, 10/2021,

$5,000, **Funded**, **Principal Investigator**

Finalizing the project, Design and Preparations of Organic Compounds as Anti-Cancer Drugs,

5. Faculty Mentored Undergraduate Research (FMSU), Taylor University, 05/2021,

$ 17,724, **Funded, Principal Investigator**

6. Women Giving Circle, Taylor University, 10/2020, **$7,000**, **Funded**, **Principal Investigator**:

Design and Preparations of Organic Compounds as Anti-Cancer Drugs

7. Ball Venture Fund, 04/2021, **$ 25,800**, **Not Funded**, **Co-Principal Investigator**, Tricia Stan, Dan King

Novel PET Plastic Recycling Venture: Moving Toward a No Landfill Waste College Campus

8. BCLTE Fund for Faculty Scholarship, Acquisition of Gaussian Computational Software Package for Research and Instruction,**10/2020**, **$ 1750, Funded, Principal Investigator**

9. Faculty Mentored Undergraduate Research (FMSU), Taylor University, **05/2020**, **$ 14,279.20**, **Funded, Principal Investigator**

10. Women Giving Circle, **Taylor University**, **2019**, **$ 9,911**, **Funded**, **Principal Investigator**

Principal Investigator: Acquisition of an Electrochemical Analyzer for Instruction and Research,

11. Faculty Mentored Undergraduate Research (FMSU), **Taylor University**, **2019, $ 13,779.20**, Principal Investigator, **Funded**

12. BCTLE Funding Request: Book Grant, Taylor University, **2019**, **$ 298**, **Funded**

13. BCTLE Funding Request: Presenting a Paper at a Conference, **Taylor University**, **2019**, **$ 500**, **Funded**

14. Winona State University Special Foundation Project, USA, **2016**, **$ 3000, Funded**

Principal Investigator: Preparation of Metal-Free Catalysts for Electrochemical Conversion of Carbon-Dioxide to Liquid Fuels such as Methanol,

15. Winona State University Special Foundation Project, USA, **2015**, **$ 3500, Funded**

Principal Investigator: Preparation and Characterization of Organic Materials for Alternative Energy Production,

16. Louisiana Board of Regents, **Nicholls State University**, USA, **2014**, **$ 206, 700, Funded**, **Principal Investigator**

Acquisition of a 300 MHz NMR Spectrometer to Enhance Research and Instruction in Chemistry and Chemical Biology, **Funded**

17. Pilot Funding for New Research, National Science Foundation, USA, **2014**, **$ 10,000, Funded**

Principal Investigator: Synthesis and Molecular Design of Metal Free Organic Dye Sensitizers End-Capped with Anthracene and Pyrene for Solar Cells, Nicholls State University,

18. Louisiana Board of Regents, **Nicholls State University**, USA, 2014, **$ 93, 000, Funded**

Co-Principal Investigator: Enhancing the Chemistry Curriculum through the Acquisition of a Gas Chromatograph-Mass Spectrometer,

19. Nicholls State University Research Council, USA, **2012**, **$ 6795.00**

Principal Investigator: Preparation and Design of Organic Materials for Alternative Energy Production, **Funded**

20. Louisiana Board of Regents, **Nicholls State University**, USA, Supervised Undergraduate Research Experiences (SURE), **2013, $ 4500, Funded**

Principal Investigator: "Synthesis of Electrocatalysts for Electrochemical Reduction of Carbon Dioxide to Methanol",

21. American Chemical Society (ACS) Petroleum Research Fund, **03/2013**, **$50, 000**, **Not Funded**, **Principal Investigator**

Flavinium and Pyrazinium Salts as Metal-Free Organocatalysts for Electrocatalytic Reduction of Carbon Dioxide to Methanol

Other Scholarly Activities

1. Reviewer of journal of chemical education, American Chemical Society

2. Reviewer of American Chemical Society, Petroleum Research Fund (The Doctoral New Investigator (DNI) grant

3. One of the reviewers for an advanced organic chemistry textbook written by David E. Lewis from University of Wisconsin Eau Claire published by Oxford Press

Presentations at Conferences and Seminars

- Course-Based Undergraduate Research Experiences (CUREs) in Organic Chemistry at Taylor University, **Vincent Sichula**
  Ball State University, Muncie, IN, 11/10/2022
- Design and Synthesis of New Phenothiazine Derivatives as MAO-B Inhibitors, **Vincent Sichula**

American Chemical Society (ACS) National Meeting, McCormick Place Convention Center, **Chicago, Illinois, 08/24/2022**

- Synthesis of 4-(Dimethylamino)benzyl Alcohol via Vilsmeier-Haack Formylation Reaction. An Organic Chemistry Laboratory Experiment for Upper- Division Undergraduate Students, **Vincent Sichula**
  2022 Biennial Conference on Chemical Education, Purdue University
  Purdue University, Lafayette, IN, 08/02/2022
- Design and Synthesis of Organic Molecules for Drug Discovery as an Organic Chemistry Summer Research Project, Natural and Applied Science Seminar,
  Paige O'Connor, Kailyn Schueller, Lydia McGinness and **Vincent Sichula**
  Taylor University, **11/08/2021**
- Design and Preparations of Organic Compounds as Drugs for Cancer and Parkinson's Diseases
  Paige O'Connor, Jocelyn Pletcher, Chris Chiodo, Melissa Copeland, and **Vincent Sichula**
  Natural and Applied Science Seminar, **Taylor University**, **11/09/2020**
- Engaging Students in Medicinal and Renewable Energy Related Projects
  Natural and Applied Science Seminar, **Taylor University**, **11/09/2019**
  Kendra Russell, Sarah Gorski, Melissa Copeland, and **Vincent Sichula**
- Design and Synthesis of Organic Dye-Sensitizers for Solar Cells: Advancing Undergraduate Research in Renewable Energy, **American Chemical Society (ACS) National Meeting**, Orange County Convention Center, **Orlando, Florida, 04/02/2019**
- Chapel Speaker, Taylor University, **01/2019**
- Capturing Energy from Sun, Water and Air: Potential for Undergraduate Research in Renewable Energy, Natural and Applied Science Seminar, **Taylor University**, **11/26/2018**
- New Triphenylamine Derivatives for use in Non-Doped Organic Light Emitting Diodes, **Aaron Dahl and Vincent Sichula**
  American Chemical Society (ACS) National Meeting, **San Francisco, California, 04/02-07/2017**

- Synthesis and Electrochemistry of Pyrazinium Salts, **Nick Wagner and Vincent Sichula**

  American Chemical Society (ACS) National Meeting, **San Francisco, California, 04/02-07/2017**
- Synthesis of Organic Dye-Sensitizer for Solar Cells Bearing Triphenylamine End-Capped with Pyrene, **Vincent Sichula**

  American Chemical Society (ACS) National Meeting, **San Diego, California, 03/13-17/2016**
- Synthesis of Phenothiazine Derivatives End-Capped with Pyrene and Anthracene as Organic Dye-Sensitizers for Solar Cells, Louisiana Organic Chemistry Symposium, Baton Rouge, **Louisiana State University**, Louisiana, **11/21/2013**
- 3-Cyano-1-ethylpyrazinium Salt, a Potential Water Oxidation Catalyst?

  American Chemical Society (ACS), Southwest Regional Meeting, Baton Rouge, Louisiana, **11/4-7/2012**
- Flavins and Their Derivatives as Natural and Artificial Catalysts, Organic Chemistry Seminar, Chemistry Department, **Louisiana State University**, Baton Rouge, Louisiana, **10/10/2011**
- Electrochemical Oxidation of N(5)-Ethyl-4a-Hydroxyflavin Pseudobase, **American Chemical Society (ACS)**, 42nd Cermacs, **Dayton, OH, USA,** 16-19 June, **2010**

Professional Development and Training

- **Book Club,** Inclusive Teaching: Strategies for Promoting Equity in the College Classroom**, BCLTE,** Taylor University, **September-December, 2022**
- Teaching Triad: **BCLTE**, Taylor University, **09//2022 to 12/2022**
- **American Chemical Society (ACS) National Meeting**, McCormick Place Convention Center, **Chicago, Illinois, 08/24/2022**

  1) High Impact Practices in the Chemistry Classroom

  2) Open book assessment in organic chemistry an opportunity to evaluate the possibilities and pitfalls

  3) Writing-enhanced organic chemistry II lab: Learning to write in professionally-relevant genres

3) Flipped organic chemistry a conduit for students to embrace critical thinking and multi-step syntheses

4) Research group-led undergraduate research programs: A platform for increasing access to undergraduate research experiences

- 2022 Biennial Conference on Chemical Education, Purdue University
  Purdue University, Lafayette, IN, 08/01/2022 to 08/04/2022
  1) Engaging Organic Chemistry Students While Using an Active Learning Process That Promotes Development of Critical Thinking, Analysis and Application Skills, **Workshop**
  2) Computational Chemistry in the Classroom, **Symposium**
  3) Active Learning in Organic Chemistry, **Symposium**
  4) Present and Future Directions in Organic Chemistry Laboratory Courses, **Symposium**
  5) Improving Student Learning and Course Appreciation in General and Organic Chemistry, **Seminar**
  6) Research in Chemical Education, **Seminar**
- Course Design Institute Workshop, **BCLTE**, Taylor University, **05/31/2022 to 06/03/2022**
- Foundation Core Grant Workshop, Taylor University, **05/24/2022** and **05/26/2022**
- Engaging Teaching Today: Faith Integration, **BCLTE**, Taylor University, **04/09/2022**
- The 2021 Schrödinger Educator's Day, **Schrödinger, Inc, 07/28/21**
- **Colleagues College,** 8/2018, 8/2019, 8/2020, 8/2021, **Taylor University**
- Deep Learning/Resiliency Summer Training - Lilly Grant, **Taylor University**
  5/17/2021 to 05/20/2021
- BCTLE Faculty Reflection Session**, Taylor University, 12/04/2020**
- ITLC Lilly Online **2020**, **November 30TH to December 4th**
- Introduction to Molecular Modeling in Drug Discovery, a Schrodinger Online Course, **May-June, 2020**
- Computational Chemistry for Chemistry Educators Workshop, **June 2020**

CCCE workshop sponsored by the National Science Foundation through the Shodor Education Foundation and the XSEDE (Extreme Science and Engineering Discovery Environment project.

- Moving your Organic Chemistry Course Online with WileyPLUS, **March, 2020**
- Workshop, Indiana CCCU Faith Learning Integration Conference, **Taylor University**, **08/13/2019**
- WeTeach Advanced course: An online and Blended Course Design program that help instructors deliver high quality online experience by delivering their own skills and designing their courses to meet or exceed an expected quality standard, **Winona State University**, **03/16/2018**
- WeTeach Foundations: Fundamentals of Online Teaching, **Winona State University**, **01/28/2015**
- Workshop: Making quizzes in D2L, **Winona State University**, **01/05/2015**
- Science Educator Workshop, promoting students' success through technology-based assessment, **Louisiana state University, LA,** April **08,2011**
- Learner-centered Teaching workshop, designing a learner centered syllabus, **Bowling Green State University**, January, **2010**

Service to the University and Community

- Faculty Personnel Committee (FPC), **Taylor University,** 8/203-present
- Faculty advisor for the American Chemical Society (ACS) Student Chapter **Taylor University,** 2019-2023
- University Assembly, **Taylor University,** 2019-2022
- Community Life Committee (CLC), **Taylor University,** 2020-2022
- Health Professions Committee, **Taylor University,** 2020-present
- I volunteered on chemistry day at the Children's Museum of Indianapolis, **Taylor University**, **11/02/2018, 11/02/2019, 11/02/2022, 09/30/2023**
- I attended and participated in the International Orientation Faculty Mingle, **fall 2019**, **Taylor University**. It was great talking to our incoming international students, and encourage them as they start life here at Taylor

- I volunteered as a driver in the community project, Community Plunge Volunteers, **Taylor University**, 08/26/2019, and 08/26/2021
- I served on the Chemistry Department Search Committee for Physical Chemist, **Taylor University**, 2019
- I served on the Chemistry Department Search Committee for Biochemist, **Taylor University**, 2018-2019
- I have represented the department at the Academic Breakfast as part of Taylor 24, **Taylor University**
- Served on the safety committee, **Winona State University**
- Served on the undergraduate research committee, **Winona State University**
- I volunteered in the Middle School Science Day held We worked with approximately 125 eighth-graders on a scaled-down version of the *What's in the Bottle* lab, **Winona State University, 03/09/2016**
- I served as a judge for SE MN/Western WI Regional Science and Engineering Fair. I judged about 10 presentations, **Winona State University, 02/26/2015**
- Worked with the office of international Services & Cultural Outreach to welcome and help international students settle on campus, **Winona State University**
- Served on the safety committee, **Nicholls State University**
- Served on the undergraduate research committee, **Nicholls State University**
- **Graduate Senator**: I acted as a representative for Chemistry Department at **Bowling Green State University, OHIO**: Representing graduate students from the chemistry department at the graduate senate meetings, participating in making policies affecting the university.

Professional Affiliations

- American Chemical Society

Computer Skills and Online Tools

- Knowledge of Microsoft software/applications: Microsoft Office (Word, Excel, Access, PowerPoint, Moodle, Blackboard, D2L Brightspace
- Gaussian 16 chemistry computational software
- Auto dock Vina

- Chimera
- Schrodinger suite of software

Hands-on Research Experience

- Include preparation and separation (gravitational chromatography and flash chromatography), HPLC, Purification (Recrystallisation), multiple step synthesis of flavins (heterocyclic compounds). Experienced user of GC-MS, MALDI, NMR Spectroscopy, Chem Draw and origin programs, electrochemistry BASi EPSILON instrument (cyclic voltammetry, controlled potential electrolysis), Fourier transform infrared spectroscopy (FTIR), UV/vis absorption spectroscopy, and computational calculations using Gaussian 16 a computational software package.

Research Undergraduate Students Supervised

Taylor University

1. Drew Loy, Cameron Turpin, Jason Blake, and Mason David, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University, fall 2023**

2. Kwame Asamoah, Preparations of Organic Compounds for Organic Light Emitting Diodes (OLEDs), **Taylor University, summer, 2022**

3. Nehemiah Rao, Parker Neuman, and Kayla Kirtley, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University, spring 2022**

4. Kailyn Schueller, Electrochemical and Photophysical Studies of VEGFR-2 Kinase Inhibitors as Drugs for Anti-Cancer Studies, **Taylor University, spring 2022**

5. Kayla Kirtley, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University, J-term 2022**

6. Kailyn Schueller, Electrochemical and Photophysical Studies of VEGFR-2 Kinase Inhibitors as Drugs for Anti-Cancer Studies, **Taylor University, J-term 2022**

7. Parker Neuman and Kayla Kirtley, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University, fall 2021,**

8. Paige O'Connor, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University**, **summer 2020, fall 2020, summer 2021**

9. Chris Chiodo, Preparation of Organic Compounds as VEGFR-2 Kinase Inhibitors for Anti-Cancer Studies, **Taylor University, summer 2020, fall 2020, spring 2021**

10. Kailyn Schueller and Lydia McGinness, Preparation of Organic Compounds as VEGFR-2 Kinase Inhibitors for Anti-Cancer Studies, **Taylor University, summer 2021**

11. Elaine Christin, Preparations of Catalysts for Electrochemical Conversion of Carbon Dioxide to Liquid Fuels Such as Methanol**, Taylor University, summer 2021**

12. Melissa Copeland, Preparations of Catalysts for Electrochemical Conversion of Carbon Dioxide to Liquid Fuels Such as Methanol**, Taylor University, summer, fall 2019, fall 2020, spring 2021**

13. Jocelyn Pletcher, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases **Taylor University, spring, fall 2019, spring 2020, fall 2020**

14. Sara Holzman, Cyclic Voltammetry and Docking Studies of VEGFR-2 Anti-Cancer Drugs, **Taylor University, fall 2020, January 2021**

15. Kendra Russel, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University**, **summer, fall 2019, spring 2020**

16. Sara Gorski, Preparations of Organic Compounds for Organic Light Emitting Diodes (OLEDs), **Taylor University, summer, fall 2019, fall 2020**

17. David Joshua Ferguson, Design and Preparation of Organic Dye-Sensitizers for Solar Cells, **fall 2019**

18. Stephen Susman, Design and Synthesis of Organic Compounds as Monoamine Oxidase Inhibitors for the Prevention and Treatment of Neurodegenerative Diseases, **Taylor University, summer 2019**

Winona State University

19. Kamal Chishty, Preparations of Organic Compounds for Organic Light Emitting Diodes (OLEDs), Engineering Department, **Winona State University** (WSU), **2016-2018**

Kamal Chishty is currently a process engineer at Intel Corporations**, USA Army**

20. Abdoul Kone, Preparations of Organic Compounds for Organic Light Emitting Diodes (OLEDs), Engineering Department, **Winona State University** (WSU), **2016-2018**

Abdoul Kone is currently a R&D engineer at Henkel

21. Aaron Dahl, Synthesis and Design of Organic Dye Sensitizers for Solar Cells, Chemistry Department, **Winona State University** (WSU), **2014-2017**

22. Matthew Worke, Synthesis and Electrochemistry of Pyrazinium Salts, **Winona State University** (WSU), **2016-2017**

Matthew Worke, is pursuing dentistry at the University of Minnesota, School of Dentistry

23. Carter McCauley, Synthesis and Electrochemistry of Pyrazinium Salts, **Winona State University** (WSU), **2016-2017**

Carter McCauley is pursuing medicine at the University of Minnesota, School of Medicine

24. Nick Wagner, Synthesis and Electrochemistry of Pyrazinium Salts, **Winona State University** (WSU), **2016-2017**

Nick Wagner is pursuing pharmacy at the University of Minnesota, School of Medicine

Nicholls State University

25. Chen Mi, Synthesis and Design of Electrocatalysts for Electrochemical Reduction of Carbon Dioxide to Methanol, Chemistry Department, **Nicholls State University (NSU), 2012-2014:**

Mi Chen is now an Associate Research Scientist at PPD, part of Thermo Fisher Scientific

26. Pu Du, Synthesis and Design of Organic Dye Sensitizers for Solar Cells, Chemistry Department, **Nicholls State University (NSU**), **2012-2014:**

Pu DU is now a Software Engineer at Tesla

27. Scott Hutchinson, Synthesis and Design of Organic Dye Sensitizers for Solar Cells, Chemistry Department, **Nicholls State University (NSU**), **2012-2014:**

Scott Hutchinson has now an adjunct Professor of Chemistry at Oklahoma State University

28. Kylon Green, Synthesis of Small molecule Inhibitors of the ClpP Peptidase, Chemistry Department, **Nicholls State University (NSU), 2013-2014:**

Placement unknown

29. **Lauren Luce**, Synthesis of Small molecule Inhibitors of the ClpP Peptidase, Chemistry Department, **Nicholls State University (NSU), 2013-201: Placement unknown**
30. **Jonathan Ross,** Synthesis and Design of Organic Dye Sensitizers for Solar Cells, Chemistry Department, **Nicholls State University (NSU), 2013-2014**
31. **Darcie Broussard,** Synthesis and Design of Organic Dye Sensitizers for Solar Cells, Chemistry Department, Nicholls State University (NSU), **2012,**
    Darcie Broussard graduated and now is working as a chemist at Louisiana Sugar Refinery
32. **Casey Brunet**, Synthesis of Pyrazinium Salts as water Oxidation Catalyst to Produce Oxygen and Hydrogen for Fuel, Chemistry Department, NSU, **2012**
    Casey Brunet graduated and now is working as a chemist at Cornerstone Chemical Company
33. **Corey Thibodaux**, Synthesis of Pyrazinium Salts as Water Oxidation Catalyst to Produce Oxygen and Hydrogen for Fuel, Chemistry Department, NSU, **2011**
    Corey Thibodaux, now is an Analytica chemist at Cornerstone Chemical Company
34. **Andrew Aubin**, DNA Damage and Repair, Biology Department, NSU, **2011**
    Placement unknown

Bowling Green State University

35. **Tia Anderson,** Synthesis of Flavins Compounds as Water Oxidation Catalyst to Produce Oxygen and Hydrogen for Fuel, Chemistry Department, Bowling Green State University, **2010: Placement unknown**

Language Proficiency

Fluent speaker of English and Russian languages

Scholarship

Graduate Teaching Assistant, Bowling Green State University, Bowling Green, **OH, USA**
Russian scholarship for outstanding foreign students from developing countries, **Zambia/Russia**