Stephen Autieri

May 19th, 2026
1565 Clearview Avenue, Blue Bell, PA 19422
LinkedIn: https://www.linkedin.com/in/stephen-autieri-a781b52a3/
Email: tup55399@temple.edu

Education:

2022- May 2027 Temple University, Philadelphia, PA, 19122

- Honor's Program. Chemistry Major. Physics Minor
- GPA 3.20
- College of Science and Technology Dean's Scholarship Recipient

Work Experience:

June-August 2025 Summer Intern, Focus Biomolecules, Plymouth Meeting, PA.
Supervisor: Dr. Jeffrey Adams and Dr. Robert Zipkin

- Organic synthesis
- Set up, monitored, worked up, and purified reactions
- Flash Chromatography and High-Pressure Liquid Chromatography
- Scientific writing and data analysis

September 2024-Present Student Researcher, Temple University, Philadelphia, PA, 19122
Principal Investigator: Dr. Eric Borguet

- Hydrolysis of sucrose and epoxides using metal-organic framework (MOF) precursors
- Epoxide Ring-Opening paper in progress
- Scientific writing, data analysis, presentation skills
- Literature review

June-August 2024 Student Researcher, Temple University, Philadelphia, PA, 19122
Principal Investigator: Dr. Jun Yu, Lewis Katz School of Medicine

- Investigation of human heart disease using mouse models
- Genetic knockout research, genotyping data, literature review and data analysis

2022-2023 Cashier, Giant Food Stores, Blue Bell, PA, 19422

- Interacted with customers and scanned groceries at a busy grocery store

2019-2021 Employee, Whitpain Greens Swim Club, Blue Bell, PA, 19422

- Prepared food and handled money at a local swim club

Leadership:

2015-2022 Eagle Scout, Boy Scouts of America, Troop 98, Whitpain Township, PA, 19422

- Eagle Scout project on July 25th, 2020, Earned Eagle Scout on July 1st, 2021
- Earned merit badges in 32 different subjects
- Learned leadership and life skills
- Patrol Leader, 2020-2021
- Quartermaster, 2017-2021

Awards and Scholarships:

2026 89th Intercollegiate Student Chemists Convention: 2nd Place for Inorganic Chemistry
2024 College of Science and Technology Dean's Scholarship, Temple University
2022 Senior Award, Wissahickon High School

2021 Philadelphia Union League Good Citizen Award

Scientific Activities:
2025 Spring 2025 Research Scholar's Program, Temple University
2024 Summer and Fall 2024 Research Scholar's Program, Temple University

Research Presentations:
November 13th, 2024- Fall 2024 CST Undergraduate Research Symposium, Poster presentation
Title: "Metal Oxyhydroxides for Glycosidic Bond Hydrolysis"
Authors: Stephen Autieri, Sharan Dhar, Hao Li, and Eric Borguet

March 27th, 2025- Spring 2025 CST Undergraduate Research Symposium, Poster presentation
Title: "Glycosidic Bond Hydrolysis with Lewis Acidic Metal Oxyhydroxides"
Authors: Stephen Autieri, Thanuka Ralalage, Hao Li, and Eric Borguet

March 29th, 2025- 88th Intercollegiate Student Chemists Convention, Oral presentation
Title: "Metal Oxyhydroxides for Glycosidic Bond Hydrolysis"
Authors: Stephen Autieri, Thanuka Ralalage, Hao Li, and Eric Borguet

April 10th, 2025- Spring 2025 TU Symposium for Undergraduate Research and Creativity, Poster presentation
Title: "Metal Oxyhydroxides for Glycosidic Bond Hydrolysis"
Authors: Stephen Autieri, Thanuka Ralalage, Hao Li, and Eric Borguet

September 26th, 2025- Fall 2025 Young Chemists Convention, Poster Presentation
Title: "Utilizing MOF Precursors for Epoxide Ring-Opening Reactions"
Authors: Stephen Autieri, Thanuka Ralalage, and Eric Borguet

November 17th, 2025- Fall 2025 CST Undergraduate Research Symposium, Poster presentation
Title: "Harnessing Metal-Organic Framework Nodes as Nanozymes for Epoxide Ring-Opening Reactions"
Authors: Stephen Autieri, Thanuka Ralalage, and Eric Borguet

March 26th, 2026- Spring 2026 TU Symposium for Undergraduate Research and Creativity, Poster presentation
Title: "Investigating Metal-Organic Framework Precursors as Nanozymes for Epoxide Ring-Opening Reactions"
Authors: Stephen Autieri, Thanuka Ralalage, and Eric Borguet

April 10th, 2026- Spring 2026 CST Undergraduate Research Symposium, Poster presentation
Title: "Investigating Metal Oxyhydroxides as Nanozymes for Epoxide Ring-Opening Reactions"
Authors: Stephen Autieri, Thanuka Ralalage, and Eric Borguet

April 18th, 2026- 89th Intercollegiate Student Chemists Convention, Oral presentation
Title: "Utilizing Metal Oxyhydroxides as Nanozymes for Epoxide Ring-Opening Reactions"
Authors: Stephen Autieri, Thanuka Ralalage, and Eric Borguet

References:
Dr. Eric Borguet, Professor
Department of Chemistry
Temple University, Philadelphia, PA, 19122
Email: eborguet@temple.edu

Dr. Jun Yu, Professor
Department of Cardiovascular Sciences
Lewis Katz School of Medicine at Temple University, Philadelphia, PA, 19140
Email: jun.yu@temple.edu