

**Anastassia D. Gallo**  
**Assistant Professor of Chemistry**  
**they/them**

The College of Wooster  
Department of Chemistry  
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**EDUCATION**

- Ph.D. 2019 Chemistry**  
Temple University, Philadelphia, PA  
Advisor: Professor Ann M. Valentine  
Dissertation: *Homeostasis and trafficking of hydrolysis-prone metals in cells, proteins, and small molecules*  
Temple University Teaching in Higher Education Certificate
- B.S. 2013 Chemistry, Minor in Mathematics**  
Arcadia University, Glenside, PA  
Study Abroad: University College Cork, Cork, Ireland (Fall 2010)

**EMPLOYMENT**

- 2022 – present Assistant Professor of Chemistry**  
The College of Wooster, Wooster, OH
- 2019 – 2022 Postdoctoral Research Associate**  
Duke University, Durham, NC  
Advisor: Professor Katherine J. Franz
- 2013 – 2019 Graduate Research and Teaching Assistant**  
Temple University, Philadelphia, PA  
Advisor: Professor Ann M. Valentine
- 2012 – 2013 Biological Science Research Technician**  
U.S.D.A. Agricultural Research Service  
Eastern Regional Research Center, Wyndmoor, PA  
Advisor: Dr. Yelena Sapozhnikova
- 2012 REU Student**  
Center for Environmental Implications of Nanotechnology  
Carnegie Mellon University, Pittsburgh, PA  
Advisor: Professor Robert Tilton
- 2011 – 2013 Laboratory Assistant**  
Arcadia University, Glenside, PA

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**AWARDS**

- 2019** Temple University Doctoral Dissertation Completion Grant
- 2018** University of Pennsylvania Award  
18<sup>th</sup> Annual Young Chemists Committee Poster Session Award
- 2014, 2015** First Summers Research Initiative Award

**SOCIETIES**

- 2011 – present** American Chemical Society
- 2021 – present** American Chemical Society, Division of Inorganic Chemistry
- 2013 – present** Phi Kappa Phi Honor Society
- 2013 – present** Phi Beta Delta Honor Society
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**COURSES**

<b>The College of Wooster</b>	
General Chemistry I	Fall 2022
Organic Chemistry I Lab	Fall 2022
<b>Duke University (Guest Lecturer)</b>	
General Chemistry II	Spring 2020, Spring 2022
<b>Temple University (Teaching Assistant)</b>	
General Chemistry I Recitations & Labs	Fall 2013
General Chemistry II Recitations & Labs	Spring 2014
Inorganic Synthesis Labs	Spring 2014, Fall 2016
Inorganic Chemistry Recitations	Fall 2015, Fall 2017
Introduction to Chemistry Labs	Fall 2015

**MENTORSHIP**

<b>The College of Wooster</b>	
Zoë Semersky (BCMB 2023)	Fall 2022 – present
<b>Duke University</b>	
Rithik Castelino (2023)	Fall 2021 – Spring 2022
Jaewon Moon (2020)	Fall 2019 – Spring 2020
<b>Temple University</b>	
John (Jack) Lehman (2019)	Summer 2018 – Spring 2019
Ethan Kimmett (2020)	Fall 2017 – Spring 2019

**SERVICE**

<b>Diversity, Inclusion, and Community (DivInC) Committee Member</b>	
▪ Department of Chemistry, Duke University (2021 – 2022)	
<b>Pushing the Equilibrium Organizer and Facilitator</b>	
▪ Department of Chemistry, Duke University (2020 – 2021)	
<b>Ad Hoc Co-Reviewer with Prof. Katherine Franz</b>	
▪ Journal of Inorganic Biochemistry	
▪ Inorganic Chemistry	
<b>JAWS (Just Another Webinar Series) Chemistry Subcommittee Member</b>	
▪ Volunteer (2020)	
<b>Consultative Review Committee Member</b>	
▪ Review of Dean Michael Klein of the College of Science and Technology, Temple University (2018)	
<b>Departmental High-Resolution Mass Spectrometer Manager</b>	
▪ Department of Chemistry, Temple University (2017 – 2018)	
<b>Graduate Student Host</b>	
▪ Distinguished Lectureship Series, Prof. Edward Solomon, Department of Chemistry, Temple University (Spring 2017)	
<b>Owl-to-Owl Mentor</b>	
▪ Alumni mentorship program, College of Science and Technology, Temple University (2019 – 2021)	

**OUTREACH****Science Fair Judge**

- NCSSM Science and Engineering Fair, NCSEF Region 3B, Durham NC
  - Judge, Lead Judge (2020)
- George Washington Carver High School Science Fair, Philadelphia, PA
  - Judge (2014 – 2017)

**ACS Science Coaches**

- George Washington Carver High School, Philadelphia, PA (2015 – 2018)

**Outreach Volunteer with Duke Chemistry**

- Triangle Day School Annual Science Night (2020)
- Science Under the Stars at Duke Chemistry (2019)

**PUBLICATIONS**

N Reznik, AD Gallo, K Rush, G Javitt, Y Fridmann-Sirkis, T Ilani, NA Nairner, KN Chacón, KJ Franz, D Fass. Intestinal Mucin Proteins Capture and Control Multivalent Copper. *Submitted*.

AD Gallo, KJ Franz. Grab 'n Go: Siderophore-Binding Proteins Provide Pathogens a Quick Fix to Satisfy their Hunger for Iron. *ACS Central Science*, **2020**, *6*, 456-458.

AD Gallo, MR Zierden, KE Jones, LA Profitt, CP Bonafide, AM Valentine. TiO<sub>2</sub> exposure alters transition metal ion quota in *Rhodococcus ruber* GIN-1. *Metallomics*, **2020**, *12*, 8-11.

**ORAL PRESENTATIONS**

AD Gallo, KJ Franz. *Towards understanding the copper-dependent antimicrobial activity of Histatin peptides*. **American Chemical Society National Meeting**. Virtual Spring Meeting. April 15, 2021.

AD Gallo. *Investigating the bioinorganic chemistry of microbial organisms and their interactions with metal oxides and metallopeptides*. **Invited Seminar**. Carnegie Mellon University, Pittsburgh, PA. September 30, 2020.

AD Gallo. *My best attempts at being a sea squirt*. **Temple University Chemistry After Dark Series**. Temple University, Philadelphia, PA. March 8, 2019.

AD Gallo, AM Valentine. *Titanium Incorporation via Cell-Oxide Interactions*. **Bioinorganic Chemistry Gordon Research Symposium**. Ventura, CA. January 27, 2018.

AD Gallo, AM Valentine. *Managing metals like a sea squirt*. **Arcadia University Chemistry Career Symposium**. Arcadia University, Glenside, PA. April 21, 2016.

AD Gallo, AM Valentine. *Nicatransferrin, a monolobal transferrin*. **Arcadia University Chemistry Career Symposium**. Arcadia University, Glenside, PA. April 8, 2015.

AD Gallo, JT Orr. *Investigation into the optical effects on the polarization of liquid mediums*. **44th Presentation of Arcadia University Capstones**. Arcadia University, Glenside, PA. April 26, 2013.

AD Gallo, R Tilton. *The mobility of coated magnetite nanoparticles through various porous media: Implications to improve groundwater treatment*. **Center for the Environmental Implications of Nanotechnology REU Graduation**. Duke University, Durham, NC. August 2, 2012.

**POSTER PRESENTATIONS**

AD Gallo, KJ Franz. *Understanding How the Coordination Sphere Influences the Reactivity of Antimicrobial Histatin-5 Peptides.*

- **University of Illinois at Urbana-Champaign Women Chemists Committee Invited Virtual Poster**, Urbana-Champaign, Il. December 15, 2020.

AD Gallo, J Moon, CE Conklin, KJ Franz. *Influence of Coordination Sphere on the Reactivity of Antimicrobial Histatin Peptides.*

- **American Chemical Society National Meeting**, Philadelphia, PA. March 2020. (*Cancelled - COVID-19*)

AD Gallo, AM Valentine. *Investigation into the Binding and Uptake of Titanium Dioxide by Rhodococcus ruber GIN-1 Bacteria.*

- **2018 Frontiers in Metallobiochemistry**, Pennsylvania State University, State College, PA. June 6 – 7, 2018.
- **18th Annual Younger Chemists Committee Student Poster Session**, Temple University, Philadelphia, PA. April 10, 2018.
- **Bioinorganic Chemistry Gordon Research Symposium**, Ventura, CA. January 25 – 28, 2018.
- **Metals in Biology Gordon Research Conference**, Ventura, CA. January 21 – 26, 2018.

AD Gallo, AM Valentine. *Rhodococcus ruber GIN-1 Titanium Incorporation via Cell-Oxide Interactions.*

- **Philadelphia Inorganic Colloquium (PIC-5)**, Swarthmore College, Swarthmore, PA. October 28, 2017.
- **17th Annual Younger Chemists Committee Student Poster Session**, University of the Sciences, Philadelphia, PA. March 27, 2017.

AD Gallo, AM Valentine. *Improving the efficiency of nicastransferrin expression.*

- **252nd American Chemical Society National Meeting**, Philadelphia, PA. August 23, 2016.
- **Mid-Atlantic Seaboard Inorganic Symposium**, University of Pennsylvania, Philadelphia, PA. July 20, 2016.
- **Philadelphia Inorganic Colloquium (PIC-3)**, University of Delaware, Newark, DE. March 19, 2016.
- **16th Annual Younger Chemists Committee Student Poster Session**, University of the Sciences, Philadelphia, PA. February 22, 2016.
- **Philadelphia Inorganic Colloquium (PIC-2)**, The College of New Jersey, Ewing Township, NJ. September 12, 2015.
- **6th Annual Temple University Graduate Fellows Research Symposium**, Temple University, Philadelphia, PA. October 18, 2014.
- **Mid-Atlantic Seaboard Inorganic Symposium**, Temple University, Philadelphia, PA. July 30, 2014.

AD Gallo, JT Orr. *Investigation into the optical effects on the polarization of liquid mediums.*

- **245th American Chemical Society National Meeting**, New Orleans, LA. April 8, 2013.

AD Gallo, L Beatty, JT Orr. *Exploring the Magneto-Optical Phenomenon.*

- **American Chemical Society Philadelphia Regional Meeting**, Temple University, Philadelphia, PA. February 23, 2012.
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