



Ge Research Group Alumni

Former Ph.D. Students

- Jiang Zhang, PhD Tongji University; B.S. Chemistry 2005–2010
- Thesis: Exploring the Cardiac Proteome: Integrating Bottom-up and Top-down Mass Spectrometry Strategies; Ph.D., August 2010 (Joint supervision with Prof. Lingjun Li).
 - Current position: Senior Scientist at Abbvie Inc.
- Zachery Gregorich, PhD St. Norbert College; B.S., Chemistry and Biology 2012–2017
- Molecular and cellular pharmacology training program
(NIH NRSA Pre-doc Fellowship)
(2016 ASMS Graduate Student Award)
- Thesis: The role of sarcomeric proteins and their post-translational modifications in striated muscle health, disease, and aging; Ph.D., August 2017
 - Current position: Assistant Scientist at UW-Madison
- Wenxuan (Vege) Cai, PhD Hong Kong University of Science and Technology; B.S., Biology 2014–2018
- Molecular and cellular pharmacology training program
(American Heart Association Pre-doc Fellowship)
(2018 ASMS Graduate Student Award)
- Thesis: A proteomics approach towards understanding hypertrophic cardiomyopathy; Ph.D., August 2018
 - Current position: Pharmacist at Navitus Health Solutions
- Yutong Jin, PhD Nankai University; B.S., Chemistry 2014–2019
- Analytical chemistry graduate program
- Thesis: Development and application of top-down and middle-down proteomics for comprehensive protein characterization in the muscle proteome; Ph.D., May 2019
 - Current position: Scientist III at AstraZeneca Alexion Pharmaceuticals, Inc
- Bifan Chen, PhD St. Olaf College, B.S., Chemistry 2014–2019
- Analytical chemistry graduate program
(CPSA USA Steven A. Hofstadler Graduate Student Award, 2017)
(ASMS Graduate Student Award, 2017)
(CACA Student Excellence Awards in Chromatography, 2018)
(Gary Parr Memorial Award from the Department of Chemistry, 2019)
- Thesis: Advancing intact protein analysis by top-down mass spectrometry: enrichment, separation, and characterization; Ph.D., May 2019
 - Current position: Principal Scientist at Genentech
- Kyle Brown, PhD University of North Carolina, Chapel Hill, B.S., Chemistry 2015–2020
- Analytical chemistry graduate program
(The UW Cardiovascular Research Center's Training Program in Translational Cardiovascular Science (TPTCS) Pre-doc Fellowship)
(The UW Vascular Biology Training Program Post-doc Fellowship)
(CPSA USA 2019 Steven A. Hofstadler Graduate Student Award)
(ASMS Graduate Student Award, 2020)
- Thesis: Novel Proteomic Approaches to Characterize Endogenous Membrane Proteins; Ph.D., Aug. 2020
 - Current Position: Research Scientist at Regeneron

- Trisha Tucholski, PhD Penn State University, B.S., Chemistry 2015–2020
 Analytical chemistry graduate program
(UW-Chemical Biology Interface Training Program Pre-doc fellowship)
(CPSA USA Steven A. Hofstadler Graduate Student Award, 2018)
(ASMS Graduate Student Award, 2019)
(CACA Student Excellence Awards in Chromatography, 2020)
- Thesis: Defining the Human Heart Proteoform Landscape with Top-down Proteomics; Ph.D., Aug. 2020
 - Current Position: Program Director, National Academy of Sciences, Bethesda, MD
- Zhijie (Abe) Wu, PhD University of Rochester, B.S., Chemistry 2015–2020
 ChemBio graduate program
(Robert C. Doban Mentoring Award, 2019)
- Thesis: Investigation on Phosphoproteins and Their Regulators by Top-down Mass Spectrometry and Bioinformatics; Ph.D., Aug. 2020
 - Current Position: Principal Scientist, Regeneron Pharmaceuticals (2020-present)
- Samantha Knott, PhD Lawrence University, B.S., Biochemistry 2016–2021
 ChemBio graduate program
(National Science Foundation Pre-doc Fellowship)
- Thesis: Development of Mass Spectrometry Based Proteomic Approaches for the Study of Diseased Tissues; Ph.D., Aug. 2021
 - Current Position: Scientist at Enveda Biosciences
- Timothy N.T. Tiambeng, PhD University of California, Irvine, B.S., Chemistry 2016–2022
 ChemBio graduate program
(UW-Chemical Biology Interface Training Program Pre-doc Fellowship)
 (Joint supervision with Prof. Song Jin)
- Thesis: Nanoproteomics-enabled strategies for the analysis of cardiac troponin; Ph.D., Jan. 2021
 - Current Position: Research Scientist at Regeneron
- Jake Melby, PhD University of Pittsburgh 2018–2023
 B.S., Chemistry
 Analytical chemistry graduate program
(The UW Cardiovascular Research Center's Training Program in Translational Cardiovascular Science (TPTCS) Pre-doc Fellowship)
(CACA Student Excellence Awards in Chromatography, 2021)
(Gary Parr Memorial Award from the Department of Chemistry, 2022)
(2022 ASMS Graduate Student Award)
- Thesis: Novel Strategies to Address the Challenge of Sensitivity in Top-down Proteomics, Ph.D., Apr. 2023
 - Current Position: Senior Scientist at AstraZeneca
- David Roberts, PhD University of California at San Diego, 2017–2023
 B.S., Chemistry and Mathematics
 Materials chemistry graduate program
 (Joint supervision with Prof. Song Jin)
(American Heart Association Pre-doc Fellowship)
(Gary Parr Memorial Award from the Department of Chemistry, 2021)

Analytical chemistry graduate program

(UW-Chemical Biology Interface Training Program Pre-doc Fellowship)

(UW-Madison Cline Fellowship)

(2024 ASMS Graduate Student Award)

(Gary Parr Memorial Award from the Department of Chemistry, 2024)

- Thesis: Top-Down Proteomics Strategies for the Characterization of Endogenous Cardiac Proteins and Protein Complexes
- Current Position: Scientist III, Discovery Analytical Chemistry at Arrowhead Pharmaceuticals.

Emily Reasoner

Luther College

B.S. Chemistry

2019–2025

Materials chemistry graduate program

(Joint supervision with Prof. Song Jin)

- Thesis: Nanomaterials-Enabled Strategies for the Enrichment of Low-Abundance Proteins
- Current Position: Materials scientist at Teleflex

Kalina Reese

Galvin University

B.S. Biochemistry (Honors), BA Vocal Music

2020–2025

Molecular and cellular pharmacology training program

(National Science Foundation Pre-doc Fellowship)

- Thesis: A Proteomics-Driven Investigation of Hypertrophic Cardiomyopathy Models
- Current Position: Interdisciplinary scientific communicator, Exact Sciences.

Former Co-mentoring Graduate Students

Lichen Xiu, PhD

Fudan University, B.S. Chemistry

2012–2018

(Primary PI: Song Jin)

Materials Chemistry

- Thesis: Development of new materials and chromatographic methods for top-down proteomics
- Current position: Scientist II at Absci, Inc.

Morgan Mann, PhD

University of Oklahoma, B.S. Biochemistry

2018–2023

(Primary PI: Allan Brasier)

Cellular and Molecular Pharmacology training program

- Thesis: Mechanisms of BRD4-mediated Innate Immune Activation in the Airway Epithelium
- Current position: Postdoctoral fellow at Stanford University

Former M.D. Students

Moltu Guy, MD

Marquette University; B.S. Mathematics

2006–2011

- Thesis: The Impact of Antibody Selection on Cardiac Troponin I Detection, M.D., July 2011
- Current position: Anesthesiologist, ASMG, San Diego, California (2015– present)
(*Shapiro Summer Fellowship*)

Max Wrobbel, MD

Class of 2020 B.S. Pharmacology & Toxicology, Biology,

UW-Madison, MD 2021

2017-2020

(*Shapiro Summer Fellowship*)

- Current position: Radiology Resident at Johns Hopkins University Medicine

Daniel Belongia, MD

Class of 2020, B.S. Engineering Mechanics & Astronautics

UW-Madison, MD 2021

2017-2020

(*Shapiro Summer Fellowship*)

- Current position: Anesthesiology Resident at UW-Madison School of Medicine and Public Health

Will Swain, MD

Class of 2022, B.S. Biomedical Engineering,

- U. Michigan
UW-Madison, MD 2022
(*Shapiro Summer Fellowship*)
2018-2022
- Current position: Resident at Mayo Clinic
- Yang Hu, MD PhD California Institute of Technology, B.S. Biology 2014–2018
Medical scientist training program (MSTP, MD/PhD program,
PhD with Mark Burkard)
- Current position: Resident at Stanford University
- Scott Price UW-Oshkosh, BS Biology.
UW-Madison, MD 2025
(*Shapiro Summer Fellowship*)
2022-2025
- Current position: Resident at UW Health

Former Postdoctoral Fellows

- Han Zhang, PhD University of Arizona; Ph.D., Chemistry 2009-2011
- *Current position: Chief Technology Officer, Mainline Scientific*
- Xin Chen, PhD Brigham Young University, Ph.D., Chemistry 2010-2012
- *Current position: Principal Scientist at Invenra*
- Santosh Valeja, PhD Florida State University, Ph.D., Chemistry 2013-2014
- *Current position: Associate Director, Biocon*
- Ying (Lynn) Peng, PhD Brigham Young University, Ph.D., Chemistry 2011-2014
- *Current position: Senior Scientist at Arrowhead Pharmaceuticals*
- Yinghua (Edith) Chang, PhD National Cheng Kung University; Ph.D., Biology 2012– 2014
- *Current position: Associate Director, Klus Pharma.*
- Leekyoung Hwang, PhD University of Pittsburgh, Ph.D. Chemistry 2012-2016
- *Current position: Scientist at Mirus Bio LLC.*
- Serife Ayaz-Guner, PhD University of Wisconsin-Madison, Ph.D. Biology 2014-2015
- *Current position: Assistant Professor of Abdullah Gul University in Turkey*
- Tania Maria Guardado, PhD University of California, Los Angeles, Ph.D. Chemistry 2014-2016
(**NIH NRSA Post-doc fellowship**)
- *Current position: Quality Assurance Engineer at Blue Origin*
- Ziqing Lin, PhD Purdue University, West Lafayette, Ph.D. Bioengineering 2015-2018
- *Current position: Principal Scientist in Bristol-Myers Squibb (BMS)*
- Yanlong Zhu, PhD Wayne State University, Ph.D. Analytical Chemistry 2018-2019
(**ASMS Postdoctoral Career Development Award**)
- *Current position: Staff scientist and facility manager in UW Human Proteomics Program Mass Spectrometry facility*
- Melissa Pergande, PhD University of Illinois-Chicago, Ph.D. Chemistry 2022-2024
(**ASMS Postdoctoral Career Development Award**)
(*The UW Cardiovascular Research Center's Training Program in
Translational Cardiovascular Science (TPTCS) Post-doc Fellowship*)
- *Current position: Assistant Professor of Chemistry at Boston University*

Former Assistant Scientist

Wei Guo, PhD Beijing Agricultural University; Ph.D., Biology 2013

- *Current position: Assistant Professor at University of Wisconsin-Madison, Department of Animal Sciences*

Former Research Specialist

Fangmin Xu, MS Florida State University; M.S., Chemistry 2010

- *Current position: Scientist at Novartis*

Former Software Developer

Kent Wenger UW-Madison, B.S. Computer Science 2018-2022

(Retired)

Former Technical Staff in the Human Proteomics Facility under Ge's supervision

Matt Lawrence University of Wisconsin- River Falls,
B.S. Biochemistry 2007–2015

Huseyin Guner Middle East Technical University
B.S. Physics 2008–2015

Qingge (Lisa) Xu Hebei University; M.S, Chemistry 2008-2018

Former Visiting Scholars

Liming Wei, PhD Fudan University, Shanghai, China, PhD. Chemistry 2015-2016

- *Current Position: Senior Engineer at Fudan University*

Fang Guo, MD Shandong Provincial Hospital, P. R. China, MD 2016-2017

- *Current Position: Deputy Chief Cardiologist*

Ruixiang Sun, PhD Institute of Computing Technology,
Chinese Academy of Sciences 2016-2017

- *Current Position: Associate Professor at National Institutes of Biological Sciences*

Yu Liang, PhD Chinese Academy of Sciences, PhD. Analytical Chemistry 2017-2018

Dalian Institute of Chemical Physics,

- *Current Position: Associate Professor at Dalian Institute of Chemical Physics*

Former M.S. Students

Yi-chen (Ivy) Chen U. of Wisconsin-Madison; M.S., Chemistry 2011–2014

Chemistry graduate program

- *Current position: Principle Scientific Researcher at Genentech.*

Stanford Mitchell University of Wisconsin, Eau Claire,
B.S. Biochemistry and Molecular Biology 2017–2019

Molecular and cellular pharmacology training program
(UW-Molecular and Cellular Pharmacology Training Program Pre-doc
Fellowship)

- *Current position: Assistant Manager, St. Vincent de Paul, Madison, WI*

Austin Carr University of Tulsa
B.S., Biochemistry 2018–2020

ChemBio graduate program

- *Current position: Research Scientist I, Magnet Biomedicine*

David Moreno California State University
B.S. Chemistry 2019–2022

Organic chemistry graduate program

- *Current position: Associate Production Chemist at Millipore Sigma*

Kevin Buck	Vanderbilt University	
	B.S. Chemistry	2020– 2024
	Analytical chemistry graduate program	

- *Current position: Graduate Student in John Denu group.*

Former Undergraduate Students (47 total; current position indicated if known)

Nathan Klapoetke	B.S. UW-Madison	2007-2008
	<i>PhD, MIT</i>	
	<i>Current position: Research Scientist at HHMI Janelia Campus</i>	
Cory Nelson	B.S. UW-Madison	2007-2009
	<i>PhD, Columbia University</i>	
	<i>Current Position: Scientist in eLutions Integrated Systems, Inc.</i>	
Lin Li	B.S. UW-Madison	2008- 2009
	<i>Current position: Engineer at Kraft Foods Group</i>	
Xintong Dong	B.S. UW-Madison, Assistant Professor at UT Dallas	2008-2010
	<i>(Hilldale research Fellowship)</i>	
	<i>(Mary Shine Peterson Undergraduate Award)</i>	
	<i>Current Position: Assistant Professor at UT Dallas</i>	
Yi-Chen (Ivy) Chen	B.S. UW-Madison	2009-2011
	<i>M.S. UW-Madison</i>	
	<i>Current Position: Scientist at Genetech</i>	
Daniel Ziebell	B.S. UW-Madison	2009-2010
	<i>M.D. UW-Madison</i>	
	<i>Current Position: Assistant Professor of Pediatrics, University of Utah</i>	
Laura Clinton	B.S. UW-Madison	2009-2010
Karin Lea Rasmussen	B.S. UW-Madison	2009-2010
Haoyue (Ray) Zhu	B.S. UW-Madison, Graduate school at Penn State University	2009-2010
Ryan Nie	B.S. UW-Madison, programmer at Liberty Mutual	2012
Patrick Close	B.S. UW-Madison, Freelance program developer	2012-2013
Bradley Bartel	B.S. UW-Madison	2013
Catherine Tuanqui	B.S. UW-Madison	2013
Yina Cai	B.S. UW-Madison	2013-2014
Wenxuan Cai	B.S. Hong Kong University of Science and Technology	2013
	<i>(exchange undergraduate student)</i>	
	<i>PhD, PharmD UW-Madison</i>	2009-2011
Albert Chen	B.S. UW–Madison,	2010–2015
	<i>Current position: Commercial Lending Analyst at Wells Fargo</i>	
Ryan Lee	B.S. UW–Madison	2014–2015
Christopher Tatsuguchi	B.S. UW–Madison	2014-2015
Justin Doop	B.S. UW–Madison	2014-2016
Rachel Heuer	B.S. UW–Madison	2014–2017
	<u><i>(Theodore Herfurth Sophomore Scholarship)</i></u>	
Zachery Hites	B.S. UW–Madison	2015–2018
William Ochowicz	B.S. UW–Madison	2015-2018
Kunal Dani	B.S. UW–Madison	2015-2017
	<i>Current position: PhD student at Georgia Institute of Technology</i>	
Cyrus Colah	B.S. UW–Madison	2015-2018
	<u><i>(Hilldale Research Fellowship)</i></u>	

	<i>Current position: Resident Physician at New York Presbyterian - Columbia</i>	
Hannah Karp	B.S. Biochemistry major; UW–Madison <u>(Hilldale Research Fellowship)</u> <u>(Mary Shine Peterson Undergraduate Award)</u> Graduate student at UC Berkeley	2016–2019
Paige Pistono	B.S. Biochemistry major; UW–Madison <u>(Biochemistry Undergraduate Summer Research Scholarship)</u> Graduate student at UC Berkeley	2016–2019
Sudharshanan Ramanathan	B.S. Computer Science major, UW-Madison	2016-2019
Yiran Yan	B.S. Biology major, UW-Madison	2017-2020
Molly Wetzel	B.S. Biochemistry major, UW–Madison	2018-2019
Christian Eken	Senior, Biology major, UW-Madison	2018-2020
Chance Lee Wilkinson-Johnson	BS, Chemistry, UW-Madison (Currently in Chemistry Bridge graduate program at UW-Madison)	2018-2020
Kristen Andrea Cruz Apolinario	BS, Neurobiology and economics	2019-2020
Andreas Kyrvasilis	Senior, Molecular Biology major, UW-Madison <u>(Hilldale Research Fellowship)</u> Currently MD student at Johns Hopkins University	2018-2021
Morgan Gugger	BS, Chemistry, UW-Madison, <i>Wisconsin ACS Local Section Undergraduate Award for Excellence in Chemistry</i> <u>(Hilldale Research Fellowship)</u> <i>Karen M. Telander Undergraduate Research Award</i> <i>Currently PhD student at University of Illinois at Urbana-Champaign</i>	2018-present
Daniel Kim	BS, Chemical Engineering <i>Currently graduate student at Georgia Institute of Technology</i> <i>NSF</i>	2019-2022
Harini Josyer	BS, Biomedical Engineering	2019-2021
Anna Janicek	BS, Chemistry, UW-Madison	2019-2021
Zhuoxin Shi	Junior, Biochemistry and Statistics (Currently in Chemistry graduate program at UW-Madison)	2020-2023
Bridget Knight	Senior, Chemistry and Economics <u>(Eugene and Patricia Kreger Herscher Scholarship)</u>	2021-2023
Lauren Ehlers	Sophomore, Chemistry	2021-2023
Diana Garcia	Junior, Human Development and Family Studies	2021-2023
Brad Li	Senior, Biochemistry, Spanish <u>(Hilldale Research Fellowship)</u> <u>(ASMS Undergrad Award)</u> <u>(Mary Shine Peterson Undergraduate award)</u> Current position: MD Student at Vanderbilt University	2020-2024
Emilia Lois Nicometo	Sophomore, Chemistry	2023-2024
Kylie Plouff	Junior, Chemistry <u>(Hilldale Research Fellowship)</u> <u>(Honors Sophomore Research Fellowship)</u>	2021-2025
Boqian (Jason) Zhang	Junior, Genetics (Currently in Chemistry graduate program at Georgia Tech)	2023-2025