



# 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)**

*(UW-Madison, CVRC Summit poster award, 2022)*

*(Wisconsin Human Proteomics Symposium Poster Award, 2022)*

*(ASMS Graduate Student Award, 2024)*

*(Cline Chemistry Graduate Student Support Award, 2024)*

- Thesis: Top-Down Proteomics Strategies for the Characterization of Endogenous Proteins and Protein Complexes
- Current Position: Research Scientist at WisperBio, Inc.

### **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                      2018-2022  
UW-Madison, MD 2022  
*(Shapiro Summer Fellowship)*

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

### Former Assistant Scientist

Wei Guo, PhD	Beijing Agricultural University; Ph.D., Biology	2013
•	<i>Current position: Assistant Professor at University of Wisconsin-Madison, Department of Animal Sciences</i>	

### Former Research Specialist

Fangmin Xu, MS	Florida State University; M.S., Chemistry	2010
•	<i>Current position: Scientist at Novartis</i>	

### Former Software Developer

Kent Wenger	UW-Madison, B.S. Computer Science (Retired)	2018-2022
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**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	Heibe University; M.S, Chemistry	2008-2018

**Former Visiting Scholars**

Liming Wei, PhD	Fudan University, Shanghai, China, PhD. Chemistry • <i>Current Position: Senior Engineer at Fudan University</i>	2015-2016
Fang Guo, MD	Shandong Provincial Hospital, P. R. China, MD • <i>Current Position: Deputy Chief Cardiologist</i>	2016-2017
Ruixiang Sun, PhD	Institute of Computing Technology, Chinese Academy of Sciences • <i>Current Position: Associate Professor at National Institutes of Biological Sciences</i>	2016-2017
Yu Liang, PhD	Chinese Academy of Sciences, PhD. Analytical Chemistry Dalian Institute of Chemical Physics, • <i>Current Position: Associate Professor at Dalian Institute of Chemical Physics</i>	2017-2018

**Former M.S. Students**

Yi-chen (Ivy) Chen	U. of Wisconsin-Madison; M.S., Chemistry Chemistry graduate program • <i>Current position: Principle Scientific Researcher at Genentech.</i>	2011–2014
Stanford Mitchell	University of Wisconsin, Eau Claire, B.S. Biochemistry and Molecular Biology Molecular and cellular pharmacology training program ( <i>UW-Molecular and Cellular Pharmacology Training Program Pre-doc Fellowship</i> ) • <i>Current position: Assistant Manager, St. Vincent de Paul, Madison, WI</i>	2017–2019
Austin Carr	University of Tulsa B.S., Biochemistry ChemBio graduate program • <i>Current position: Research Scientist I, Magnet Biomedicine</i>	2018–2020
David Moreno	California State University B.S. Chemistry Organic chemistry graduate program • <i>Current position: Associate Production Chemist at Millipore Sigma</i>	2019–2022
Kevin Buck	Vanderbilt University B.S. Chemistry Analytical chemistry graduate program • <i>Current position: Graduate Student in John Denu group.</i>	2020– 2024

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

Nathan Klapoetke	B.S. UW-Madison <i>PhD, MIT</i> <i>Current position: Research Scientist at HHMI Janelia Campus</i>	2007-2008
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
	<b><i>(Hilldale research Fellowship)</i></b>	
	<b><i>(Mary Shine Peterson Undergraduate Award)</i></b>	
	<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
	<b><i>(Theodore Herfurth Sophomore Scholarship)</i></b>	
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
	<b><i>(Hilldale Research Fellowship)</i></b>	
	<i>Current position: Resident Physician at New York Presbyterian - Columbia</i>	
Hannah Karp	B.S. Biochemistry major; UW-Madison	2016-2019
	<b><i>(Hilldale Research Fellowship)</i></b>	
	<b><i>(Mary Shine Peterson Undergraduate Award)</i></b>	
	Graduate student at UC Berkeley	
Paige Pistono	B.S. Biochemistry major; UW-Madison	2016-2019
	<b><i>(Biochemistry Undergraduate Summer Research Scholarship)</i></b>	
	Graduate student at UC Berkeley	
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	2018-2020

Kristen Andrea Cruz Apolinario Andreas Kyrvasilis	(Currently in Chemistry Bridge graduate program at UW-Madison) BS, Neurobiology and economics	2019-2020
	Senior, Molecular Biology major, UW-Madison <b><u>(Hilldale Research Fellowship)</u></b> 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> <b><u>(Hilldale Research Fellowship)</u></b> <i>Karen M. Telander Undergraduate Research Award</i> Currently PhD student at University of Illinois at Urbana-Champaign	2018-present
Daniel Kim	BS, Chemical Engineering Currently graduate student at Georgia Institute of Technology <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	2020-2023
Bridget Knight	(Currently in Chemistry graduate program at UW-Madison) Senior, Chemistry and Economics <b><u>(Eugene and Patricia Kreger Herscher Scholarship)</u></b>	2021-2023
Lauren Ehlers	Sophomore, Chemistry	2021-2023
Diana Garcia	Junior, Human Development and Family Studies	2021-2023
Brad Li	Senior, Biochemistry, Spanish <b><u>(Hilldale Research Fellowship)</u></b> <b><u>(ASMS Undergrad Award)</u></b> <b><u>(Mary Shine Peterson Undergraduate award)</u></b> Current position: MD Student at Vanderbilt University	2020-2024