My research is focused on regenerative medicine and tissue engineering. I am fabri- cating a biomaterial based on goldfish extracellular matrix proteins to aid in tissue regeneration and functional recovery after spinal cord injury in mice.			
Cornell University , Ithaca, NY Aug 2021 – Aug 2026 PhD Candidate, Biomedical Engineering	(Expected)		
Committee: Yadong Wang (Chair), Christopher Schaffer, David Putnam			
	A 1		
Graduate Teaching Cohort	, Advanced		
	3 – Jul 2023		
Conducted clinical research and shadowed Doctors and Surgeons for 8 weeks at New York Presbyterian Hospital			
Cornell University, Ithaca, NY Aug 2021	– May 2023		
Master of Science in Biomedical Engineering	5		
Affiliations: Spinal cord regeneration, Proteomics, Hydrogels			
Methodist University, Favetteville, NC Aug 2016	– Dec 2020		
Bachelor of Science, Chemistry with conc in Forensic Sciences			
Advisors: Stephanie Hooper			
Senior Project: "Using Gas Chromatography to test toxic substances in weight loss supplements"			
· · · · · · · · · · · · · · · · · · ·	– Apr 2018		
Semester at Sea Study Abroad: Mexico, Hawaii, Japan, China, Hong Kong, Vietnam, Myanmar, India, Mauritius, South Africa, Ghana, Morocco, Portugal.			
United World College, Maastricht, NL Aug 2014 International Baccalaureate	– May 2016		
NYS Spinal Cord Injury Research Board Predoctoral Fellowship	July 2023		
CTI Graduate Teaching Fellowship, Cornell University July			
	*		
	May 2023		
	Apr 2023 Apr 2023		
	Dec 2022		
	Dec 2020		
	Sep 2020		
Outstanding Forensic Science Graduate, Methodist University	May 2020		
The Forensic Sciences Honor Society, Methodist University	May 2020		
	Nov 2019		
	Jan 2019		
Semester at Sea Spring Voyage, Davis UWC Scholarship	Oct 2017 Oct 2018		
The National Society of Leadership and Success, M. University	000 2010		
The National Society of Leadership and Success, M. University	000 2010		
Desai, R.; Kapur, Z.; Hammond, B.; Dombaxe, C.P.; Tabaee, A.; A			
	 cating a biomaterial based on goldfish extracellular matrix proteins to a regeneration and functional recovery after spinal cord injury in mice. Cornell University, Ithaca, NY Aug 2021 – Aug 2026 PhD Candidate, Biomedical Engineering Committee: Yadong Wang (Chair), Christopher Schaffer, David Putnam Affiliations: Tissue regeneration, Drug delivery, Biomaterials Certificates: Women's Entrepreneurship, Becoming a Resilient Scientist Graduate Teaching Cohort Weill Cornell Medicine, New York City, NY Jun 202: Advisor: Dr. Theodore H. Schwartz Conducted clinical research and shadowed Doctors and Surgeons for 8 we York Presbyterian Hospital Cornell University, Ithaca, NY Aug 2021 Master of Science in Biomedical Engineering Affiliations: Spinal cord regeneration, Proteomics, Hydrogels Methodist University, Fayetteville, NC Aug 2016 Bachelor of Science, Chemistry with conc in Forensic Sciences Advisors: Stephanie Hooper Senior Project: "Using Gas Chromatography to test toxic substances in supplements" Colorado State University, Ft. Collins, CL Jan 2018 Semester at Sea Study Abroad: Mexico, Hawaii, Japan, China, Hong Kong, Vietnam, Myat Mauritius, South Africa, Ghana, Morocco, Portugal. United World College, Maastricht, NL Aug 2014 International Baccalaureate NYS Spinal Cord Injury Research Board Predoctoral Fellowship CTI Graduate Diversity Early Career Service Award Cornell BioEntrepreneurship Fellow, Cornell University 2023 Maribel Garcia Community Spirit Award, Cornell University Mendelevium Medallion Award, Methodist University Mendelevium Medallion Award, Methodist University The Forensic Sciences Honor Society Undergraduate Research and Creativity Grant, M. University 		

Skull Base Reconstruction following Endoscopic Resection of Suprasellar Tumors. In Preparation.

Chen, Y.; Dombaxe, C.P.; D'Amato, A.R.; Ntekas, I.; Welch, H.; Van Herck, S.B.M.; Wang, Y.:. Long-Term Evaluation of a Metal-Ligand Crosslinked, Biodegradable Elastomer Arterial Graft in a Rat Model. In Preparation.

Dombaxe, C.P.; Zhang, F.; Niemeyer, J.; Schwartz, T.H. Understanding the Role of RP58 Gene in Glioma Progression Using Free Behaving Calcium Imaging in Mice. 2023. Oral Presentation at the BME7900 Seminar - Immersion Term Poster Session.

Dombaxe, C.P.; Vecellio, M.; Kasamba, L.; Walker, D. The Detection of Latent Bloodstains Covered with Three Types of Current Top-Selling Paint/Primer Mixtures Using Bluestar. 2020. Oral Presentation at the State of North Carolina Undergraduate Research and Creativity Symposium.

Dombaxe, C.P; Vecellio, M.; Kasamba, L.; Walker, D. The Detection of Latent Bloodstains Covered with Three Types of Current Top-Selling Paint/Primer Mixtures Using Bluestar. 2020. International Association for Identification's Identification News. Volume 50, pp. 22-23.

Dombaxe, C.P; Vecellio, M.; Kasamba, L.; Walker, D. The Detection of Latent Bloodstains Covered with Three Types of Current Top-Selling Paint/Primer Mixtures Using Bluestar. 2020. Oral Presentation at the American Academy of Forensic Sciences 72nd Annual Scientific Meeting and Methodist University 9th Annual Undergraduate Creativity Symposium.

Work Experience Graduate Coordinator for Student-Faculty Engagement Dec 2022 – Present Ithaca, NY Cornell University Office of Inclusion Student Engagement Planning, organizing, and hosting events for the greater graduate community. Creating programs to increase engagement between graduate student and faculty.

Graduate Research Assistant

Cornell University

Aug 2021 – Present Ithaca, NY

Department: Biomedical Engineering

Conducting research on spinal cord injury. Developing a biomaterial and studying its effects in tissue regeneration and functional recovery after spinal cord injury.

Graduate Teaching Assistant

Aug 2021 – Dec 2022 Ithaca, NY

Cornell University Department: Chemistry and Chemical Biology CHEM 2070, General Chemistry I, Fall 2021 CHEM 2090, Engineering General Chemistry, Spring 2022 CHEM 2070, General Chemistry I, Fall 2022 Prepared and facilitated pre-laboratory presentations. Supervised three-hour laboratory periods twice a week. Enforced all safety regulations and actively provided advice and assistance to students as they conducted work in the lab.

Analytical Chemist

Jan 2021 – Jun 2021 Eurofins Lancaster Laboratory – Regeneron Pharmaceuticals Rensselaer, NY Worked under the leachable team and specialized in Gas Chromatography Mass Spectrometry. Complied with all IOP's Environmental, Health Safety policies / procedures associated with the tasks to be performed and oversaw and implemented new ways for the organization of sample management.

Forensics Laboratory Assistant

Aug 2020 - Dec 2020 Favetteville, NC

Methodist University Assisted professors in set up and tear down of laboratory assignments. Cleaned labs

	and crime scene rooms. Assisted with research projects, and took inventory of labs and crime scene equipment regularly.	
	Student Head Supervisor Methodist University Tutoring Center Participated in the development of Tutoring Center programs, ties. Scheduled and overseen the work of short-term tutors, stu selected, and trained student tutors and provided day-to-day signed activities of the Tutoring Center.	ident tutors. Recruited,
	Chemistry Laboratory Assistant Methodist University Chemistry Department Cleaned and sterilized laboratory instruments and equipment. instruments to ensure proper working order. Prepared chemica labs, following standardized formulas and provided technical su chemistry faculty.	l solutions for chemistry
Invited Talks	Cornell University BME 5010 Seminar Graduate Student Panel for Cornell's Alumni Affairs Women Entrepreneurship Cornell: Role Model Conve Cornell Graduate School's Dean's Welcome Panel Women Entrepreneurship Cornell: Role Model Conve Cornell Medicine Biomedical Imaging Master's Career	Aug 2023 rsation Aug 2023
Student Research Mentoring	 Undergraduate Students Ruth Ogbemudia, Cornell University Molly Veerkamp, Cornell University Anthony Dee, Cornell University 	Spring 2023 – Present Fall 2022 – Present Fall 2022 – Spring 2023
Activities	Biomedical Engineering Society (BMES), Black Graduate and I sociation (BGPSA), Women Entrepreneurs (W.E.) Cornell, Co ership Certification, Cornell University Graduate School News tional Society of Black Engineers, Graduate and Professional gramming Board.	ornell Engineering Lead- letter Focus Group, Na-
Professional Development	Bank of America Women's Entrepreneurship Program Cornell Technology Innovation Fellowship BioTech I-Corps Regional Course Cornell Advanced Graduate Teaching Cohort Cornell Engineering Leadership Certification Women Entrepreneurship at Cornell NIH Becoming a Resilient Scientist Consultant Program, Accenture ACS Outreach Training Program Learning Python Certificate Cybersecurity Foundations Certificate Emerging Leaders Certificate Medicolegal Death Seminar Training	 Sept 2023 – Present Apr 2023 – Present May 2023 – Jun 2023 Apr 2023 – May 2023 Jan 2023 – Aug 2023 Sept 2022 – Apr 2023 Sept 2022 – Nov 2022 2020 2020 2020 2020 2020 2019 – 2020 2018
Leadership and Outreach	Diversity, Equity, and Inclusion (DEI) Committee Co Present Cornell University Biomedical Engineering	• President Apr 2023 – Ithaca, NY

Graduate Student Life Advisory Council, Member	Jan 2023 – Present
Cornell University Graduate School	Ithaca, NY
ELSO Speaking Groups Program, Facilitator	Mar 2023 – Aug 2023
Cornell University English Language Support Office	Ithaca, NY
Community Engagement Co-Chair Cornell University Biomedical Engineering Society	$\begin{array}{c} {\rm Dec} \ 2022-{\rm Apr} \ 2023\\ {\rm Ithaca, NY} \end{array}$
Graduate Mentoring Program, Mentor	Feb 2023 – Present
Cornell University Graduate School	Ithaca, NY
CUEmpower Mentor	Sept 2022 – Feb 2023
Cornell University Diversity Programs in Engineering	Ithaca, NY
Chemists for Outreach and Graduate Inclusion Cornell University Chemistry Outreach	$\begin{array}{c} {\rm Aug} \ 2021 - {\rm Dec} \ 2022 \\ {\rm Ithaca, \ NY} \end{array}$
Vice-President of Student Activities Committee	Jan 2019 – Dec 2020
Methodist University	Fayetteville, NC
Head of Public Relations	Aug 2018 – Dec 2019
Methodist University African Student Organization	Fayetteville, NC
Global Ambassador at Semester at Sea	Aug 2018 – Dec 2020
Methodist University African Student Organization	Fayetteville, NC
Empowering Local Women in Kenya	2015
United World College Maastricht	Maastricht, NL
Volunteer at Kuzola Orphanage Luanda, Angola	2012 - 2015