## **Carlson Triebold**

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Educational Background	<b>Purdue University</b> , West Lafayette, IN Doctor of Philosophy, Mathematics	2015 - 2021
	Indiana University Purdue University (IUPUI), Indianapolis, IN Master of Science, Mathematics	2015 - 2018
	<b>Olivet Nazarene University</b> , Bourbonnais, IL Bachelor of Science, Mathematics Minor: Chemistry	2012 - 2014
	<b>Prairie State College</b> , Chicago Heights, IL Associate of Science, General Mathematics and Science	2010-2012
Teaching Experience	Assistant Professor   Point Loma Nazarene University, San Diego, CA   - Mathematical Modeling   - Calculus Based Statistics with R   - Introduction to Statistics   - Calculus with Applications   - Business Calculus   - Pre-Calculus	2022 – Present
	Adjunct Mathematics Instructor Lewis University, Romeoville, IL - Applied Calculus - Linear Algebra	2022
	Mathematics InstructorIUPUI, Indianapolis, INAnalytic Geometry and Calculus ICalculus for the Life SciencesCollege AlgebraIntermediate Algebra	2017 – 2020
Fellowships and Awards	MAA Project NExT Fellow (2022) Project NExT trains and equips new generations of mathematics teachers. IUPUI School of Science Graduate Student Teaching Award (2019) Nominee of the mathematical sciences department.	
	<b>IUPUI University Fellowship</b> (2015) One of four PhD candidate recipients across all departments.	

Publications	Triebold C, Barber J. <i>The effect of the endothelial surface layer on cell–cell interactions in microvessel bifurcations</i> . Biomech Model Mechanobiol <b>23</b> , 1695-1721 (2024). https://doi.org/10.1007/s10237-024-01863-1	
	Triebold C, Barber J. Dependence of red blood cell dynamics in microvessel bifurcations on the endothelial surface layer's resistance to flow and compression. Biomech Model Mechanobiol <b>21</b> , 771-796 (2022). https://doi.org/10.1007/s10237-022-01560-x	
	Triebold C. <i>The effects of the endothelial surface layer on red blood cell dynamics in microvessel bifurcations</i> . Purdue University Graduate School. Thesis (2021). https://doi.org/10.25394/PGS.15070422.v1	
Presentations	Association of Christians in the Mathematical Sciences (ACMS) Conference, Sioux Center, IA. <i>The effect of porous vessel linings on red blood cell</i> <i>interactions in the microvasculature</i> . May 2024.	
	American Physiological Society Division of Fluid Dynamics (APS-DFD) Annual Meeting, Indianapolis, IN. <i>The effects of the endothelial surface layer or</i> <i>red blood cell partitioning, deformation, and penetration of that layer.</i> November 2022.	1
	Applied Interdisciplinary Mathematics (AIM) Seminar, Ann Arbor, MI. Computational modeling of red blood cells and osteocytes. October 2022.	
	World Congress on Computational Mechanics and Asian Pacific Congress on Computation Mechanics (WCCM-APCOM), Yokohama, Japan. <i>The effect of</i> <i>vessel wall proteins on red blood cell dynamics at diverging vessel-bifurcations</i> . August 2022.	
	Society for Industrial and Applied Mathematicians Conference of the Life Sciences (SIAM-LS), Pittsburgh, PA. <i>The effect of porous microvessel linings on red blood cell behavior in diverging bifurcations</i> . July 2022.	
	American Physiological Society Division of Fluid Dynamics (APS-DFD) Annual Meeting, Phoenix, AZ. <i>The effects of the endothelial surface layer's</i> <i>(ESL's) hydraulic resistivity and resistance to compression of red blood cell</i> <i>partitioning, deformation, and penetration of the ESL</i> . November 2021.	
	Society for Industrial and Applied Mathematicians (SIAM) Annual Meeting, online. <i>The effects of the endothelial surface layer on red blood cell dynamics in microvessel bifurcations</i> . July 2021.	
	American Physiological Society (APS) Interface of Mathematical Models and Experimental Biology Conference, Scottsdale, AZ. <i>Interactions between pairs of red blood cells in microvascular flows</i> . September 2019.	f
Professional Associations	Society for Industrial and Applied Mathematics	2015 – Present