

SARAH E. GLASS

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EDUCATION

- Vanderbilt University Medical Center*- Nashville, TN 2025-now
Postdoctoral Research Fellow in GI Medicine
T32 Training Grant awardee
- Vanderbilt University*- Nashville, TN 2019-2025
PhD in Cell & Developmental Biology
Lai Sulin Cancer Research Scholarship
National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP) awardee
T32 Training Grant awardee
- Hendrix College*- Conway, AR 2015-2019
B.A. in Biochemistry & Molecular Biology, summa cum laude
Graduated with distinction in major

HONORS & AWARDS

- Integrated Biological Systems Training in Oncology (IBSTO) Training Grant, 2025***
Vanderbilt institutional T32 grant awarded to postdoctoral candidates to fund training; financial award
- Vanderbilt Ingram Cancer Center (VICC) Poster Presentation Award, 2025***
Vanderbilt institutional award for honorable mention recognizing excellence in cancer research and an outstanding poster presentation at the VICC Retreat 2025
- Semifinalist for CUSABIO Biotechnology Scholarship Award, 2024***
International competition for biotechnology focused trainees; awarded to 28 participants; received enough votes to be in the Top 10 at the finals
- AACR Scholar-in-Training Award, 2024***
International award to support attendance to AACR Special Conference on Tumor Immunology and Immunotherapy; financial award
- ASPIRE Travel Scholarship, 2024***
Vanderbilt institutional award to support professional development opportunities; used for attending University of Iowa Scientific Editing & Research Communication Core site visit; financial award
- Vanderbilt Ingram Cancer Center (VICC) Poster Presentation Award, 2024***
Vanderbilt institutional award for 3rd place prize recognizing excellence in cancer research and an outstanding poster presentation at the VICC Retreat 2024; financial award
- Lai Sulin Scholarship, 2024***
Vanderbilt institutional award for recognition of excellence of a Vanderbilt graduate student's dissertation in an area related to cancer; financial award
- NORDP 2023 Conference Attendance Award, 2023***
International award for NORDP members to fund conference registration for the annual research development professionals conference; financial award

Graduate School Travel Grant, 2022-2023

Vanderbilt institutional award for graduate students to fund conference travel when presenting research; financial award

Professional Development and Training Grant, Vanderbilt University, 2022

Vanderbilt institutional award for graduate students to fund professional development experiences and conferences; financial award

Vanderbilt Center for Extracellular Vesicle Research Travel Award, Vanderbilt University, 2021

Vanderbilt institutional award for graduate students to fund travel to vesicle-related conferences; financial award

Biochemistry & Chemistry in Cancer Research Training Grant, 2019

Vanderbilt institutional T32 grant awarded to predoctoral candidates to fund two years of training; financial award

National Science Foundation Graduate Research Fellowship (NSF GRFP), 2019

National award for five years support for graduate students in their PhD program with three years of financial support

Director's Award, 2019

Vanderbilt institutional award for exceptional first-year students joining Vanderbilt's graduate programs; financial award

PUBLICATIONS

Glass SE, Fisher EG, Sievers CK, Cao Z, Bechard ME, Ellis ST, Aramnadla R, Zhao P, Smith RT, Wang Y, Higginbotham JN, Revetta F, Washington MK, Shrubsole MJ, Liu Q, Lau KS, Aronow B, Coffey RJ. September 12, 2025. Discovery of a novel isoform of dipeptidase-1 in colorectal cancer. *Manuscript in preparation*.

Ellis ST, Cao Z, Harnych SJ, Higginbotham JN, Coffey RJ, **Glass SE**. Post-translational modifications of dipeptidase-1 affect localization and processing through the secretory pathway. *Under Review at Journal of Biological Chemistry*.

Zhang Q, Jeppesen DK, Higginbotham JN, Cao Z, Wang Y, Ramirez MA, Koktysh DS, Patel D, Zhao P, Bechard ME, Ayers GD, Washington MK, **Glass SE**, Franklin JL, Hodges E, Merrih H, Ascano M, Liu Q, Coffey RJ. Reassessment of extracellular DNA and DNase landscape reveals molecular and functional heterogeneity of extracellular particles. *Submitted to Cell*.

Hoi PX, Stangis MM, **Glass SE**, Kim JH, Kang SW, Brennen WN, Li Z, Grady WM, Yegnasubramanian S, Kuhn P, Lyssiotis CA, Sagara A, Shrubsole MJ, Kadara H, Yuan Y, Coffey RJ, Lau KS, De Marzo AM, Maitra A, Min J, Yu M, Chan KS. Cellular Senescence in Precancer Lesions: A Game-Changer for Precision Interception. *Under Revision to Cancer Cell*.

Tutanov OS, Massick C, Ramirez MA, Higginbotham JN, Jimenez L, Castleberry M, Cao Z, John E, Hamilton M, Zhang Q, Jeppesen DK, Michell DL, **Glass SE**, Patel P, Rose KL, Krystofiak E, Chen H, Sheng Q, Liu Q, Patton JG, Weaver AM, Franklin JL, Vickers KC, Coffey RJ. A comprehensive analysis of supermere, exomere, and extracellular vesicle

isolation and cargo in colorectal cancer. *Cell Reports*. 2025 Oct 28. doi: 10.1016/j.celrep.2025.116287

Hoyt L, Liu E, Olson E, Jacobsen D, Siniscalco E, Krier-Burris R, Greenfield K, McBride C, Alfajaro MM, Amat J, Zhao Z, Xu L, Philip V, Verma A, Fourati S, Senger D, Zhang L, Bunyavanich S, **Glass SE**, Coffey RJ, Wilen C, Williams A, Eisenbarth S. Murine anaphylaxis to food requires cysteinyl leukotriene-mediated absorption of allergens in the gut. *Science*. 2025 Aug 7;389(6760):eadp0240. doi: 10.1126/science.adp0240. Epub 2025 Aug 7. PMID: 40773557; PMCID: PMC12333546.

Glass SE, Bechard ME, Cao Z, Aramandla R, Zhao P, Ellis ST, Green EH, Fisher EG, Smith RT, Sievers CK, Irudayam MJ, Revetta F, Washington MK, Ayers GD, Heiser CN, Simmons AJ, Xu Y, Wang Y, Windon A, Shrubsole MJ, Markham NO, Liu Q, Lau KS, Coffey RJ. Dipeptidase-1-knockout mice develop invasive tumors with features of microsatellite-unstable colorectal cancer. *JCI Insight*. 2025 Apr 3;10(9):e186938. doi: 10.1172/jci.insight.186938. PMID: 40178918; PMCID: PMC12128987.

Islam M, Bechard ME, Yang Y, Simmons AJ, Xu Y, Higginbotham JN, Zhao P, Tasneem N, **Glass SE**, Markham NO, Revetta F, Ramirez M, Liu Q, Franklin JL, Lau KS. Unbiased recording of clonal potency reveals species-specific regulation of mouse and human intestinal stem cells. *Under Review at Cell*.

Stangis MM, Chen Z, Min J, **Glass SE**, Jackson JO, Radyk MD, Hoi XP, Brennen WN, Yu M, Dinh HQ, Coffey RJ, Shrubsole MJ, Chan KS, Grady WM, Yegnasubramanian S, Lyssiotis CA, Maitra A, Halberg RB, Dey N, Lau KS. The Hallmarks of Precancer. *Cancer Discov*. 2024 Apr 4;14(4):683-689. doi: 10.1158/2159-8290.CD-23-1550. PMID: 38571435.

Welsh JA, Goberdhan DCI, O'Driscoll L, Buzas EI, Blenkiron C, Bussolati B, Cai H, Di Vizio D, Driedonks TAP, Erdbrügger U, Falcon-Perez JM, Fu QL, Hill AF, Lenassi M, Lim SK, Mahoney MG, Mohanty S, Möller A, Nieuwland R, Ochiya T, Sahoo S, Torrecilhas AC, Zheng L, Zijlstra A, Abuelreich S, Bagabas R, Bergese P, Bridges EM, Brucale M, Burger D, Carney RP, Cocucci E, Crescitelli R, Hanser E, Harris AL, Haughey NJ, Hendrix A, Ivanov AR, Jovanovic-Talisman T, Kruh-Garcia NA, Ku'ulei-Lyn Faustino V, Kyburz D, Lässer C, Lennon KM, Lötvall J, Maddox AL, Martens-Uzunova ES, Mizenko RR, Newman LA, Ridolfi A, Rohde E, Rojalin T, Rowland A, Saftics A, Sandau US, Saugstad JA, Shekari F, Swift S, Ter-Ovanesyan D, Tosar JP, Useckaite Z, Valle F, Varga Z, van der Pol E, van Herwijnen MJC, Wauben MHM, Wehman AM, Williams S, Zandrini A, Zimmerman AJ; **MISEV Consortium**; Théry C, Witwer KW. Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches. *J Extracell Vesicles*. 2024 Feb;13(2):e12404. doi: 10.1002/jev2.12404. PMID: 38326288; PMCID: PMC10850029.

Li D, Wang X, Miao H, Liu H, Pang M, Guo H, Ge M, **Glass SE**, Emmrich S, Ji S, Zhou Y, Ye X, Mao H, Wang J, Liu Q, Kim T, Klusmann JH, Li C, Liu Z, Jin H, Nie Y, Wu K, Fan D, Song X, Wang X, Li L, Lu Y, Zhao X. The lncRNA MIR99AHG directs alternative splicing of SMARCA1 by PTBP1 to enable invadopodia formation in colorectal cancer

cells. *Sci Signal*. 2023 Sep 19;16(803):eadh4210. doi: 10.1126/scisignal.adh4210. Epub 2023 Sep 19. PMID: 37725664.

Tutanov OS, **Glass SE**, Coffey RJ. Emerging connections between GPI-anchored proteins and their extracellular carriers in colorectal cancer. *Extracell Vesicles Circ Nucleic Acids* 2023;4:195-217. <http://dx.doi.org/10.20517/evcna.2023.17>

Heiser CN, Simmons AJ, Revetta F, McKinley ET, Ramirez-Solano MA, Wang J, Kaur H, Shao J, Ayers GD, Wang Y, **Glass SE**, Tasneem N, Chen Z, Qin Y, Kim W, Rolong A, Chen B, Vega PN, Drewes JL, Markham NO, Saleh N, Nikolos F, Vandekar S, Jones AL, Washington MK, Roland JT, Chan KS, Schürpf T, Sears CL, Liu Q, Shrubsole MJ, Coffey RJ, Lau KS. Molecular cartography uncovers evolutionary and microenvironmental dynamics in sporadic colorectal tumors. *Cell*. 2023 Dec 7;186(25):5620-5637.e16. doi: 10.1016/j.cell.2023.11.006. PMID: 38065082; PMCID: PMC10756562.

Glass SE, Coffey RJ. Recent Advances in the Study of Extracellular Vesicles in Colorectal Cancer. *Gastroenterology*. 2022;163(5):1188-1197. doi:10.1053/j.gastro.2022.06.039

Cao T, Lu Y, Wang Q, Qin H, Li H, Guo H, Ge M, **Glass SE**, Singh B, Zhang W, Dong J, Du F, Qian A, Tian Y, Wang X, Li C, Wu K, Fan D, Nie Y, Coffey RJ, Zhao X. A CGA/EGFR/GATA2 positive feedback circuit confers chemoresistance in gastric cancer. *J Clin Invest*. 2022 Mar 15;132(6):e154074. doi: 10.1172/JCI154074. PMID: 35289315; PMCID: PMC8920335.

Liu H, Li D, Sun L, Qin H, Fan A, Meng L, Graves-Deal R, **Glass SE**, Franklin JL, Liu Q, Wang J, Yeatman TJ, Guo H, Zong H, Jin S, Chen Z, Deng T, Fang Y, Li C, Karijovich J, Patton JG, Wang X, Nie Y, Fan D, Coffey RJ, Zhao X, Lu Y. Interaction of lncRNA MIR100HG with hnRNPA2B1 facilitates m⁶A-dependent stabilization of TCF7L2 mRNA and colorectal cancer progression. *Mol Cancer*. 2022 Mar 12;21(1):74. doi: 10.1186/s12943-022-01555-3. PMID: 35279145.

Zhang Q, Jeppesen DK, Higginbotham JN, Graves-Deal R, Trinh VQ, Ramirez MA, Sohn Y, Neining AC, Taneja N, McKinley ET, Niitsu H, Cao Z, Evans R, **Glass SE**, Ray KC, Fissell WH, Hill S, Rose KL, Huh WJ, Washington MK, Ayers GD, Burnette DT, Sharma S, Rome LH, Franklin JL, Lee YA, Liu Q, Coffey RJ. Supermeres are functional extracellular nanoparticles replete with disease biomarkers and therapeutic targets. *Nat Cell Biol*. 2021 Dec 9:1–15. doi: 10.1038/s41556-021-00805-8. PMID: 34887515; PMCID: PMC8656144.

GRANTS WRITING EXPERIENCE

Sanofi iAwards North America program grant, pharmaceutical grant partnership (submitted in August, awaiting review); developed research concept, writer and editor of grant and liaison with Sanofi Head Onco-Pharmacology-US team and Vanderbilt Center for Technology Transfer and Commercialization (Total costs: **\$150,000 for one year**)

NIH Director's New Innovator Awards (DP2) National Institutes of Health (NIH) grant, (submitted in August 2025, awaiting review); editor for 10-page Research Narrative. (Total direct costs: **\$475,000/year for 5 years**)

Scott R. MacKenzie Foundation Grant, private foundation grant (submitted in June, awaiting review); identifier of funding opportunity, developed research concept, writer and editor of grant and liaison with the foundation and VUMC Foundation Relations. (Total direct costs: **\$300,000 for one year**)

Michelson Prizes: Next Generation Grants (submitted in 2025); candidate submitting original research; writer and editor for all components (Total direct costs: **\$150,000 for one year**)

Research Project Grant (R01) National Cancer Institute (NCI) grant, (submitted in 2025; awaiting review); writer and editor for Research Narrative, Summary, Specific Aims, and Proposal. (Total direct costs: **\$1.1 M over 3 years**)

Peer Reviewed Cancer Research Program Idea Award, Department of Defense grant **funded in 2025**; writer and editor for all components including Project Narrative, Innovation, Impact, Relevance to Military Health Statements, Lay Abstract, Technical Abstract (Total direct costs: **\$200,000/year for 2 years**)

Gastrointestinal (GI) Specialized Program of Research Excellence (SPORE), P50 Specialized Center grant resubmission **funded in 2025**; writer for Overall, Project 1, Administrative Core, and Career Enhancement Plan; editor for all other components (Total direct costs: **\$1.67 M/year for 5 years**)

Administrative Supplement to Cancer Center Support Grant (CCSG); grant supplement for organoid work through the P30 Vanderbilt Cancer Center Support Grant, writer and editor for all components including Project Summary Abstract, Project Narrative, Specific Aims and Research Plan, took leadership role in managing team during hospitalization of managing PI (Total amount: **\$750,000 for 1 year**)

Kleberg Medical Research Award, private foundation grant **funded in 2024**; writer and editor for all components including Summary, Specific Aims, Preliminary Work, and Research Strategy (Total amount: **\$1.0 M over 3 years**)

Research Program Project Grant (PPG) P01 NCI grant (**Overall Score: 32; P3 Score: 2.7; Resubmission Score 2.1 awaiting funding decision**); editor for Project 3 components (Total direct costs: **\$1.2 M/year for 5 years**)

Gastrointestinal (GI) Specialized Program of Research Excellence (SPORE), P50 Specialized Center grant (**Overall Score 23%, Project 1: 2.1**); writer for Overall, Project 1, Administrative Core, and Career Enhancement Plan; editor for all other components (Total direct costs: **\$1.67 M/year for 5 years**)

Outstanding Investigator Award (OIA), R35 **grant funded in 2024** by NCI (**Perfect Score 1.0**):
All components writer and editor (Total direct costs: **\$600,000/year for 7 years**)

Translational and Basic Science Research of Early Lesions (TBEL), U54 Specialized Center
grant funded in 2021 (Overall Score 23%); Project 1 component writer (Total amount
awarded direct costs: **\$1.0 M/year for 5 years**)

Peer Reviewed Cancer Research Program Idea Award with Special Focus, Department of
Defense grant **funded in 2021**; editor for final Project Narrative (Total direct costs:
\$325,000)

National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP), **funded
in 2019** for five years of fellowship support (Total amount awarded: **\$159,000**)

FORMAL TEACHING EXPERIENCE

R01 Grants Educator, Edge for Scholars R01 Writing Group June 2025-Oct 2025
grant writing expert for junior faculty R01 level grant writing class
Vanderbilt University Medical Center, Nashville, TN

Course Facilitator, Effective Science Communication, CBIO-GS 8310 Fall 2025
grant writing instructor for Cell and Developmental graduate level F31 grant writing class
Vanderbilt University, Nashville, TN

Grants Educator, Vanderbilt University Program in Cancer Biology guest speaker July 2025
for graduate level F31 grant writing, Vanderbilt University, Nashville, TN

Student Lecturer, two lectures for graduate level “Teaching Cell Biology” class Feb 2021
Vanderbilt University, Nashville, TN

Biochemistry Peer Learning Associate, Hendrix College, Aug 2018-April 2019
Conway, AR

Organic Chem Peer Learning Associate, Hendrix College, Aug 2017-April 2019
Conway, AR

Genetics Lab Assistant, Hendrix College, Conway, AR Aug 2017-Dec 2017

PROFESSIONAL DEVELOPMENT TALKS

1. **Glass, SE**, October 9, 2025. NSF GRFP Writing Workshop. Vanderbilt University.
2. **Glass, SE**, October 28, 2024. A Grant Editing Core at Vanderbilt: Dreams and Implementation. Scientific Editing and Research Communication Core Meeting. University of Iowa.
3. **Glass, SE**, September 11, 2024. NSF GRFP Writing Workshop. Vanderbilt University.
4. **Glass, SE**, March 21, 2024. Get NSF Funding for Your STEM Ph.D. and Master’s Studies and Research Workshop. University of Florida.

5. **Glass, SE**, March 18, 2024. Why Mentors Matter: How I Became a Grant Writer. University of Florida, Science Journalism/Science Writing Lecture.
6. **Glass, SE**, *et al.* August 18, 2020. Experiences in STEM at Hendrix College from a Graduate's Perspective- Experiences in Professional Research Organizations and Atmospheric Chemistry at Hendrix (EPROACH). Hendrix College. Zoom presentation.
7. Richardson, T, Bowman, E, **Glass, SE**, September 16, 2019. The NSF Graduate Research Fellowship Program Workshop. Vanderbilt University.

RESEARCH PROJECT STUDENT/PEER MENTORING

1. Vincent Guida, Vanderbilt University, Vanderbilt undergraduate student
Project: Improving Therapeutics for Disrupting the DPEP1-Neutrophil Axis
2. Carina E. Dagotto, Vanderbilt University, Vanderbilt PhD student
Project: Impact of Clusterin on Immune Exclusion
3. Ryan T. Smith, Vanderbilt University Medical Center, Research Assistant
Project: Identification of DPEP1 Isoforms and Impact on Tumorigenesis
4. Saphine Gilbert, Vanderbilt University, Brentwood Highschool visiting scholar student
Project: Assessment of DPEP1 expression in CRC
5. Elizabeth Fisher, Vanderbilt University, Vanderbilt PhD student
Project: Shaping the Microenvironment by DPEP1 to Facilitate Adenoma Progression
6. Samuel Ellis, Vanderbilt University, Vanderbilt undergraduate student
Project: Identification of DPEP1 Isoforms and Associated Localization Patterns
7. Meenakshi Parihar, Vanderbilt University, Vanderbilt master's student
Project: Development of CD73 Activity Assay for Use in Exosomal Characterization
8. Sargoel Rezanejad, Vanderbilt University Medical Center, Meharry Medical College student
Project: Development of CD73 Activity Assay for Use in Exosomal Characterization
9. Bailee Powell, Vanderbilt University, research assistant
Project: Identifying Molecular Determinants of Drug Resistance and Aggressiveness within Colon Cancer
10. Sidney Smith, Ohio State University, OSU undergraduate student
Project: Evaluating miRNA Profiles and Protein Expression as Markers for Increased Medical Attention in Sickle Cell Patients
11. Seana Corbin, University of Arkansas for Medical Sciences, honors medical student
Project: Analyzing Exosomes Isolated from the Serum of Ovarian Cancer Patients Using Glycoproteomic Methods
12. Amy James, University of Arkansas for Medical Sciences, honors medical student
Project: Testing Tn and STn Antigens for Use as Biomarkers in Human Ovarian Carcinoma

EDITOR POSITIONS

Manuscript Editor (Acknowledgements)

1. Xu T, Paulo JA, Zhang P, Liu X, Nguyen A, Cheng Y, Massick C, Zhang Y, Jeppesen DK, Zhang Q, Higginbotham JN, Tutanov OS, Krichevsky AM, Chiu DT, Gygi SP, Vickers KC, Franklin JL, Coffey RJ, Charest A. Heterogeneity of Extracellular Vesicles and Non-Vesicular Nanoparticles in Glioblastoma. *J Extracell Vesicles*. 2025 Oct;14(10):e70168. doi: 10.1002/jev2.70168. PMID: 41039818; PMCID: PMC12491655.

2. Harmych SJ, Hasaka TP, Sievers CK, Kang SW, Ramirez MA, Jones VT, Zhao Z, Kovtun O, Wahoski CC, Liu Q, Lau KS, Coffey RJ, Bauer JA, Singh B. 3D collagen high-throughput screen identifies drugs that induce epithelial polarity and enhance chemotherapy response in colorectal cancer. *Commun Biol*. 2025 Aug 22;8(1):1261. doi: 10.1038/s42003-025-08699-0. PMID: 40847193; PMCID: PMC12373842.
3. Gabriel TT, Park JD, Satish MK, Coffey RJ, Huh WJ. Development of mouse models for Ménétrier's Disease. *J Vis Exp (JoVE)*. 2025 Jun 6;(220):10.3791/67981. doi: 10.3791/67981. PMID: 40549725; PMCID: PMC12333453.
4. Soundararajan R, Maurin MM, Rodriguez-Silva J, Upadhyay G, Alden AJ, Gowda SGB, Schell MJ, Yang M, Levine NJ, Gowda D, Sundaraswamy PM, Hui SP, Pflieger L, Wang H, Marcet J, Martinez C, Bennett RD, Chudzinski A, Karachristos A, Nywening TM, Cavallaro PM, Anderson ML, Coffey RJ, Nebozhyn MV, Loboda A, Coppola D, Pledger WJ, Halade GV, Yeatman TJ. Integration of lipidomics with targeted, single cell, and spatial transcriptomics defines an unresolved pro-inflammatory state in colon cancer. *Gut*. 2025 Mar 6;74(4):586-602. doi: 10.1136/gutjnl-2024-332535. PMID: 39658263; PMCID: PMC11885055.
5. Islam M, Yang Y, Simmons AJ, Shah VM, Musale KP, Xu Y, Tasneem N, Chen Z, Trinh LT, Molina P, Ramirez-Solano MA, Sadien ID, Dou J, Rolong A, Chen K, Magnuson MA, Rathmell JC, Macara IG, Winton DJ, Liu Q, Zafar H, Kalhor R, Church GM, Shrubsole MJ, Coffey RJ, Lau KS. Temporal recording of mammalian development and precancer. *Nature*. 2024 Oct;634(8036):1187-1195. doi: 10.1038/s41586-024-07954-4. Epub 2024 Oct 30. PMID: 39478207; PMCID: PMC11525190.
6. Jeppesen DK, Zhang Q, Coffey RJ. Extracellular vesicles and nanoparticles at a glance. *J Cell Sci*. 2024 Dec 1;137(23):jcs260201. doi: 10.1242/jcs.260201. Epub 2024 Dec 6. PMID: 39641198; PMCID: PMC11658686.
7. Cao T, Zhang W, Wang Q, Wang C, Ma W, Zhang C, Ge M, Tian M, Yu J, Jiao A, Wang L, Liu M, Wang P, Guo Z, Zhou Y, Chen S, Yin W, Yi J, Guo H, Han H, Zhang B, Wu K, Fan D, Wang X, Nie Y, Lu Y, Zhao X. Cancer SLC6A6-mediated taurine uptake transactivates immune checkpoint genes and induces exhaustion in CD8+ T cells. *Cell*. 2024 Apr 25;187(9):2288-2304.e27. doi: 10.1016/j.cell.2024.03.011. Epub 2024 Apr 1. PMID: 38565142.
8. Harmych SJ, Tydings CW, Meiler J, Singh B. Sequence and structural insights of monoleucine-based sorting motifs contained within the cytoplasmic domains of basolateral proteins. *Front Cell Dev Biol*. 2024 Mar 1;12:1379224. doi: 10.3389/fcell.2024.1379224. PMID: 38495621; PMCID: PMC10940456.
9. Jones VT, Graves-Deal R, Cao Z, Bogatcheva G, Ramirez MA, Harmych SJ, Higginbotham JN, Sharma V, Damalanka VC, Wahoski CC, Joshi N, Irudayam MJ, Roland JT, Ayers GD, Liu Q, Coffey RJ, Janetka JW, Singh B. Inhibition of autocrine HGF maturation overcomes cetuximab resistance in colorectal cancer. *Cell Mol Life Sci*. 2024 Jan 12;81(1):28. doi: 10.1007/s00018-023-05071-5. PMID: 38212428; PMCID: PMC10784391.
10. Xie Q, Li Z, Liu Y, Zhang D, Su M, Niitsu H, Lu Y, Coffey RJ, Bai M. Translocator protein-targeted photodynamic therapy for direct and abscopal immunogenic cell death in colorectal cancer. *Acta Biomater*. 2021 Oct 15;134:716-729. doi: 10.1016/j.actbio.2021.07.052. Epub 2021 Jul 27. PMID: 34329783; PMCID: PMC8802307

11. Jeppesen DK, Zhang Q, Franklin JL, Coffey RJ. Are Supermeres a Distinct Nanoparticle? *J Extracell Biol*. 2022 Jun;1(6):e44. doi: 10.1002/jex2.44. Epub 2022 Jun 3. PMID: 36311879; PMCID: PMC9615021.
12. Singh B, Bogatcheva G, Krystofiak E, McKinley ET, Hill S, Rose KL, Higginbotham JN, Coffey RJ. Induction of apically mistrafficked epiregulin disrupts epithelial polarity via aberrant EGFR signaling. *J Cell Sci*. 2021 Sep 15;134(18):jcs255927. doi: 10.1242/jcs.255927. Epub 2021 Sep 17. PMID: 34406412; PMCID: PMC8466005.
13. Zhang, K., Shao, S., Hongwei, X., Chen, G., Xiao, S. Treatment of Sezary syndrome with brentuximab vedotin: a case report. *Manuscript in preparation*.
14. Niitsu H, Lu Y, Huh WJ, Love AM, Franklin JL, Coffey RJ. Cell-Autonomous Role of EGFR in Spontaneous Duodenal Tumors in LRIG1 Null Mice. *Cell Mol Gastroenterol Hepatol*. 2021;12(3):1159-1162.e4. doi: 10.1016/j.jcmgh.2021.05.004. Epub 2021 May 11. PMID: 33989815; PMCID: PMC8413138.
15. Starchenko A, Graves-Deal R, Brubaker D, Li C, Yang Y, Singh B, Coffey RJ, Lauffenburger DA. Cell surface integrin $\alpha 5\beta 1$ clustering negatively regulates receptor tyrosine kinase signaling in colorectal cancer cells via glycogen synthase kinase 3. *Integr Biol (Camb)*. 2021 Jun 15;13(6):153-166. doi: 10.1093/intbio/zyab009. PMID: 34037774; PMCID: PMC8204629.

Scientific Newsletter & Communications Editor

1. *BRET 360°*, Biomedical Research Education and Training (BRET) Annual Report, Fall 2022, Vanderbilt University School of Medicine.
2. *Results and Discussion*, BRET Newsletter, Issue 11, Spring 2021, Vanderbilt University School of Medicine.
3. *Careers of a Citizen Scientist*, BRET Conference pamphlet, Spring 2021, Vanderbilt University School of Medicine.
4. Graham Carpenter, Robert Coffey, Stanley Cohen (1922-2020). *Science* 367, 1307-1307 (2020). DOI: 10.1126/science.abb4095

Other Scientific Documents

1. Coffey Lab Mentoring Compact, Summer 2024, Vanderbilt University Cell and Developmental Biology Program

LEADERSHIP POSITIONS

Co-Chair

Vanderbilt-Ingram Cancer Center (VICC) 27th Annual Scientific Symposium planning committee co-chair, Sept 2025-May 2026, Vanderbilt University Medical Center, Nashville, TN

Session Chair

1. "Non-vesicular Carriers of exRNAs and Disease Associations," NIH Extracellular RNA Communication Consortium Stage 2 Investigator Meeting (ERCC17), May 16-17th, 2022, virtual meeting, breakout session chair discussion leader.
2. "EV Sorting," NIH Extracellular RNA Communication Consortium Stage 2 Investigator Meeting, May 6-7th, 2021, virtual meeting.

Grant Reviewer

Vanderbilt Institute for Clinical and Translational Research (VICTR) Grant Review
 Studio external grant review expert, Jan 27, 2025, virtual meeting, Vanderbilt University
 Medical Center, Nashville, TN.

Member

National Organization of Research Development Professionals (NORDP)
 Scientific Editors Network (ScENe)

CONFERENCES AND RETREATS ATTENDED

<i>TBEL Spring 2025 Face-to-Face Meeting</i>	May 2025
<i>Vanderbilt Ingram Cancer Center (VICC) Scientific Symposium</i>	April 2025
<i>Epithelial Biology Center Symposium</i>	March 2025
<i>AACR Special Conference in Cancer Research: Immunology & Immunotherapy</i>	October 2024
<i>Vanderbilt University Cancer Biology Retreat</i>	September 2024
<i>Vanderbilt Ingram Cancer Center (VICC) Retreat</i>	May 2024
<i>TBEL 2024 Face-to-Face Meeting</i>	May 2024
<i>International Union of Immunological Societies Congress 2023</i>	November 2023
<i>TBEL 2023 Face-to-Face Meeting</i>	October 2023
<i>NORDP Conference</i>	May 2023
<i>Epithelial Biology Center Symposium</i>	April 2023
<i>Digestive Disease Research Center Symposium</i>	April 2023
<i>Vanderbilt PPG exRNA in CRC EAB meeting</i>	March 2023
<i>An. Scientific Meeting of the Australian and New Zealand Society for Immun. ScienceWriters 2022</i>	December 2022
<i>Keystone- Exosomes, Microvesicles, and Other Extracellular Vesicles</i>	October 2022
<i>Center for Extracellular Vesicle Research Retreat</i>	October 2022
<i>Human Tumor Atlas Network (HTAN) Face-to-Face Meeting</i>	June 2022
<i>Cell and Developmental Biology Retreat</i>	May 2022
<i>NIH Extracellular RNA Communication Consortium Stage 2 Investigator Meeting</i>	May 2022
<i>Vanderbilt Digestive Diseases Research Center Inaugural Diversity Symposium</i>	April 2022
<i>Vanderbilt Digestive Disease Research Center (VDDRC) Retreat</i>	April 2022
<i>NIH Extracellular RNA Communication Consortium Stage 2 Investigator Meeting</i>	May 2021
<i>International Society for Extracellular Vesicles (ISEV) Virtual Annual Meeting</i>	July 2020
<i>American Association for Cancer Research (AACR) Virtual Annual Meeting 1</i>	June 2020
<i>American Society of Hematology (ASH) Annual Meeting and Exposition</i>	Dec 2018

SCIENTIFIC RESEARCH TALKS

1. **Glass SE**, Fisher EG, Sievers CK, Cao Z, Bechard ME, Ellis ST, Aramnadla R, Zhao P, Smith RT, Wang Y, Higginbotham JN, Revetta F, Washington MK, Shrubsole MJ, Liu Q, Lau KS, Aronow B, Coffey RJ. September 12, 2025. Discovery of a novel isoform of dipeptidase-1 in colorectal cancer. Epithelial Biology Center Meeting. Vanderbilt University, Nashville, Tennessee.
2. **Glass SE**, Bechard ME, Cao Z, Aramandla R, Zhao P, Ellis ST, Green EH, Fisher EG, Smith RT, Sievers CK, Revetta F, Washington MK, Ayers GD, Heiser CN, Simmons AJ, Xu Y, Wang Y, Windon A, Shrubsole MJ, Markham NO, Liu Q, Lau KS, Coffey RJ

October 30, 2024. Welcome to the world of DPEP1: How a kidney protein impacts immune exclusion, microsatellite status, invasion, and progression in colorectal cancer. Holden Comprehensive Cancer Center Seminar Series. University of Iowa, Iowa City, Iowa.

3. **Glass SE**, Bechard ME, Cao Z, Aramandla R, Zhao P, Ellis ST, Green EH, Fisher EG, Smith RT, Sievers CK, Revetta F, Washington MK, Ayers GD, Heiser CN, Simmons AJ, Xu Y, Wang Y, Windon A, Shrubsole MJ, Markham NO, Liu Q, Lau KS, Coffey RJ. September 5, 2024. DPEP1 maintains a microsatellite stability phenotype in colorectal cancer at the tumor microenvironment interface. Translational and Basic Science Research of Early Lesions (TBEL) Cell State & Cell Function Working Group. Zoom.
4. **Glass SE**, Bechard ME, Cao Z, Aramandla R, Zhao P, Ellis ST, Green EH, Fisher EG, Smith RT, Sievers CK, Revetta F, Washington MK, Ayers GD, Heiser CN, Simmons AJ, Xu Y, Wang Y, Windon A, Shrubsole MJ, Markham NO, Liu Q, Lau KS, Coffey RJ. August 19, 2024. DPEP1 maintains a microsatellite stability phenotype in colorectal cancer at the tumor microenvironment interface. Translational and Basic Science Research of Early Lesions (TBEL) Mechanisms and Models Working Group. Zoom.
5. **Glass SE**, Cao Z, Singh B, Bechard ME, Zhang Q, Jeppesen DK, Higginbotham JN, Franklin JL, Coffey RJ. October 18, 2023. Dipeptidase-1 in precursor lesions and colorectal cancer facilitates progression through isoform-dependent mechanisms. Translational and Basic Science Research of Early Lesions (TBEL) Vanderbilt Weekly Meeting. Zoom.
6. **Glass SE**, Shrubsole MJ, Coffey RJ. October 12, 2023. Shaping of the Microenvironment in Colonic Pre-Cancer by Epithelia and Microbiota. Translational and Basic Science of Early Lesions Face to Face Meeting. Houston, Texas.
7. **Glass SE**, Cao Z, Singh B, Bechard ME, Zhang Q, Jeppesen DK, Higginbotham JN, Franklin JL, Coffey RJ. June 22, 2023. Shaping the microenvironment by DPEP1 facilitates adenoma progression. Translational Biology of Early Lesions Mechanisms and Models Working Group Meeting. Zoom.
8. **Glass SE**, Cao Z, Singh B, Bechard ME, Zhang Q, Jeppesen DK, Higginbotham JN, Franklin JL, Coffey RJ. Feb. 17, 2023. DPEP1 is an early marker for MSS colorectal cancer with isoform differences that impact localization and function. Epithelial Biology Center Meeting. Vanderbilt University, Nashville, TN.
9. **Glass SE**, Cao Z, Singh B, Bechard ME, Zhang Q, Jeppesen DK, Higginbotham JN, Franklin JL, Coffey RJ. Sept. 20, 2022. Unraveling the relevance of dipeptidase-1 and its two isoforms in colorectal cancer. Cell and Developmental Biology Departmental Meeting Research Exchange. Vanderbilt University, Nashville, TN.
10. **Glass SE**, Cao Z, Singh B, Zhang Q, Jeppesen DK, Higginbotham JN, Franklin JL, Coffey RJ. March 30, 2021. Understanding the Role of Localization Patterns and Isoforms of DPEP1 in Colorectal Cancer. CBMS Training Grant Meeting. Vanderbilt University, Nashville, TN.
11. **Glass SE**, James A, Abbott K. June 22, 2017 Testing Tn and STn Antigens for Use as Biomarkers in Human Ovarian Carcinoma. SURF Mid-Summer Symposium. University of Arkansas for Medical Sciences, Little Rock, AR.

POSTER PRESENTATIONS & ABSTRACT CONTRIBUTIONS

1. Sievers CK, **Glass SE**, Fisher EG, Revetta FL, Bechard ME, Cao Z, Aramandla R, Zhao P, Smith RT, Ellis ST, Wang Y, Liu Q, Lau KS, Washington MK, Coffey RJ. Jan 8-10,

2026. Discovery of a novel isoform of dipeptidase-1 and associations with colorectal cancer metastases. 2026 American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium. San Francisco, California.
2. **Glass SE**, Fisher EG, Ellis ST, Cao Z, Bechard ME, Sievers CK, Aramandla R, Higginbotham JN, Zhao P, Irudayam MJ, Zhou Q, John E, Smith RT, Simmon AJ, Xu Y, Wang Y, Revetta F, Washington MK, Ayers GD, Liu Q, Shrubshole MJ, Lau KS, Coffey RJ. May 24, 2025. A Novel Isoform of DPEP1 Impacts CRC Outcomes, Proliferation, and Progression. Translational and Basic Sciences Research in Early Lesions (TBEL) 2025 Spring Face-to-Face Meeting. Baltimore, Maryland.
 3. **Glass SE**, Fisher EG, Ellis ST, Cao Z, Bechard ME, Sievers CK, Aramandla R, Higginbotham JN, Zhao P, Irudayam MJ, Zhou Q, John E, Smith RT, Simmon AJ, Xu Y, Wang Y, Revetta F, Washington MK, Ayers GD, Liu Q, Shrubshole MJ, Lau KS, Coffey RJ. April 22, 2025. A Novel Isoform of DPEP1 Impacts CRC Outcomes, Proliferation, and Progression. Vanderbilt-Ingram Cancer Center (VICC) 26th Annual Scientific Symposium. Vanderbilt University, Nashville, Tennessee.
 4. **Glass SE**, Fisher EG, Ellis ST, Cao Z, Bechard ME, Sievers CK, Aramandla R, Higginbotham JN, Zhao P, Irudayam MJ, Zhou Q, John E, Smith RT, Simmon AJ, Xu Y, Wang Y, Revetta F, Washington MK, Ayers GD, Liu Q, Shrubshole MJ, Lau KS, Coffey RJ. March 26, 2025. A Novel Isoform of DPEP1 Impacts CRC Outcomes, Proliferation, and Progression. Epithelial Biology Center 2025 Symposium. Vanderbilt University, Nashville, Tennessee.
 5. **Glass SE**, Bechard ME, Cao Z, Aramnadla R, Zhao P, Ellis ST, Fisher EH, Revetta F, Washington MK, Ayers GD, Heiser CN, Windon A, Markham NO, Shrubsole MJ, Lau KS, Coffey RJ. October 19, 2024. DPEP1 maintains microsatellite stability in colorectal cancer at the tumor microenvironment interface. AACR Special Conference in Cancer Research: Immunology and Immunotherapy. Boston, Massachusetts.
 6. **Glass S.E.**, Bechard M.E., Cao Z., Aramandla R., Zhao P., Ellis S.T., Green E.H., Fisher E.G., Smith R.T., Sievers C.K., Revetta F., Washington M.K., Ayers G.D., Heiser C.N., Simmons A.J., Xu Y., Wang Y., Windon A., Shrubsole M.J., Markham N.O., Liu Q., Lau K.S., Coffey R.J. September 12, 2024. DPEP1 maintains a microsatellite stability phenotype in colorectal cancer at the tumor microenvironment interface. Vanderbilt University Cancer Biology Retreat 2024. Nashville, Tennessee.
 7. **Glass, S.E.**, Cao, Z., Bechard, M., Ellis, S.T., Fisher, E., Zhao, P., Zhang, Q., Revetta, F., Washington, M.K., Ayers, D., Shrubshole, M., Windon, A., Lau, K., Coffey, R.J. May 21, 2024. DPEP1 impacts immune exclusion and tumorigenesis in CRC by neutrophil interactions and isoform expression. Vanderbilt Ingram Cancer Center (VICC) Retreat. Vanderbilt University, Nashville, Tennessee.
 8. **Glass, S.E.**, Ellis, S.T., Cao, Z., Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Franklin, J.L., McKinley, E.T., Revetta, F., Washington, M.K., Coffey, R.J. December 3, 2023. DPEP1 is a marker for microsatellite stable (MSS) colorectal cancer with isoform differences that impact localization and function. IUIS 2023. Cape Town, South Africa.
 9. **Glass, S.E.**, Ellis, S.T., Cao, Z., Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Franklin, J.L., McKinley, E.T., Revetta, F., Washington, M.K., Coffey, R.J. April 5, 2023. DPEP1 is a marker for microsatellite stable (MSS) colorectal cancer with isoform differences that impact localization and function. 2022-2023 Vanderbilt Digestive Disease Research Center (VDDRC) Retreat. Vanderbilt University, Nashville, Tennessee.

10. **Glass, S.E.**, Ellis, S.T., Cao, Z., Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Franklin, J.L., McKinley, E.T., Revetta, F., Washington, M.K., Coffey, R.J. April 3, 2023. DPEP1 is a marker for microsatellite stable (MSS) colorectal cancer with isoform differences that impact localization and function. Epithelial Biology Center 2023 Symposium. Vanderbilt University, Nashville, Tennessee.
11. **Glass, S.E.**, Ellis, S.T., Cao, Z., Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Franklin, J.L., McKinley, E.T., Revetta, F., Washington, M.K., Coffey, R.J. March 28, 2023. DPEP1 is a marker for microsatellite stable (MSS) colorectal cancer with isoform differences that impact localization and function. 2023 P01 External Advisory Board Meeting. Vanderbilt University, Nashville, Tennessee.
12. Franklin, J.L., Higginbotham, J.N., Tutanov, O., Zhang, Q., Jeppesen, D.K., Cao, Z., Castleberry, M., Massick, C., Whitaker, M., **Glass, S.E.**, Charest, A., Giorgio, T.D., Vickers, K.C., Coffey, R.J. Overview of ERCC2 benchmarking studies: Complementary technologies to analyze a colorectal cancer cell secretome. NIH Extracellular RNA Communication Consortium Stage 2 Investigator Meeting.
13. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., McKinley, E.T., Ellis, S.T., Coffey, R.J. Dec. 1, 2022. Evaluation of DPEP1's role in Immune Cell Interactions in Colorectal Cancer and Inflammatory Bowel Disease. Annual Scientific Meeting of the Australian and New Zealand Society for Immunology 2022 (ASI 2022). Melbourne, Australia.
14. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Bechard, M.E., Franklin, J.L., Coffey, R.J. Oct. 31, 2022. Evaluation of Dipeptidase-1 as an Extracellular Vesicle-Bound Marker for Colorectal Cancer. Exosomes, Microvesicles, and other Extracellular Vesicles Keystone Symposium. Santa Fe, New Mexico.
15. Bechard M.E., **Glass, S.E.**, Coffey, R.J., Oct 1-4, 2022. Dipeptidase-1 is a highly upregulated protein in CRC exosomes: Potential clinical relevance. AACR Spical Conference: Colorectal Cancer. Portland, Oregon.
16. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Bechard, M.E., Franklin, J.L., Coffey, R.J. June 27, 2022. Evaluation of Dipeptidase-1 as an Extracellular Vesicle-Bound Marker for Colorectal Cancer. Human Tumor Atlas Network Face to Face Meeting. Oregon Health and Science University.
17. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Bechard, M.E., Franklin, J.L., Coffey, R.J. May 27, 2022. Evaluation of Dipeptidase-1 as an Extracellular Vesicle-Bound Marker for Colorectal Cancer. Cell and Developmental Biology Retreat. Vanderbilt University, Nelson Andrews Leadership Center.
18. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Bechard, M.E., Franklin, J.L., Coffey, R.J. April 27, 2022. Evaluation of Dipeptidase-1 as an Extracellular Vesicle-Bound Marker for Colorectal Cancer. Vanderbilt Digestive Disease Research Center Retreat. Vanderbilt University.
19. **Glass, S.E.**, Zhang, Q., Jeppesen, D.K., Higginbotham, J.N., Bechard, M.E., Franklin, J.L., Coffey, R.J. April 19, 2022. Evaluation of Dipeptidase-1 as an Extracellular Vesicle-Bound Marker for Colorectal Cancer. Spring 2022 External Advisory Board Meeting for Vanderbilt PPG on 'Extracellular RNA in colorectal carcinoma: biogenesis and function'. Vanderbilt University.

20. **Glass, S. E.**, James, A., Abbott, K. July 26, 2017. Testing Tn and STn Antigens for Use as Biomarkers in Human Ovarian Carcinoma. Central Arkansas Undergraduate Summer Research Symposium. University of Arkansas for Medical Sciences.

SCIENTIFIC COMMUNICATIONS ARTICLES

- Glass, Sarah E.** “The lasting impact of Vanderbilt’s life sciences Nobelists” Article, *Vestigo Special Sesquicentennial Issue*, Vanderbilt University School of Medicine Basic Sciences, March 2024, <https://medschool.vanderbilt.edu/basic-sciences/2024/03/07/the-lasting-impact-of-vanderbilts-life-sciences-nobelists/>
- Glass, Sarah E.** “Rare disorder sheds light on dysbindin function” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 27 June 2023, <https://news.vumc.org/2023/06/27/rare-disorder-sheds-light-on-dysbindin-function/>
- Glass, Sarah E.** “An image of cancer treatment response” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 8 June 2023, <https://news.vumc.org/2023/06/08/image-cancer-treatment-response/>
- Glass, Sarah E.** “Treating kidney injury before it happens” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 23 May 2023, <https://news.vumc.org/2023/05/23/treating-kidney-injury-before-it-happens/>
- Glass, Sarah E.** “Better adenoma detection” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 4 May 2023, <https://news.vumc.org/2023/05/04/better-adenoma-detection/>
- Glass, Sarah E.** “Overactive bladder and anxiety” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 20 April 2023, <https://news.vumc.org/2023/04/20/overactive-bladder-and-anxiety/>
- Glass, Sarah E.** “Diabetes drug may improve asthma” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 21 February 2023, <https://news.vumc.org/2023/02/21/diabetes-drug-may-improve-asthma/>
- Glass, Sarah E.** “COVID-19 battle begins in the nose” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 2 February 2023, <https://news.vumc.org/2023/02/02/covid19-battle-begins-nose/>
- Glass, Sarah E.** “Is drinking tea good for your gut?” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 19 January 2023, <https://news.vumc.org/2023/01/19/drinking-tea-gut-microbiome/>
- Glass, Sarah E.** “MicroRNAs linked to lipid damage” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 6 January 2023, <https://news.vumc.org/2023/01/06/micrnas-linked-to-lipid-damage/>

- Glass, Sarah E.** “A marker for mortality” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 17 November 2022, <https://news.vumc.org/2022/11/17/biomarker-inflammation-mortality/>
- Glass, Sarah E.** “C. diff infections drop in children.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 3 November 2022, <https://news.vumc.org/2022/11/03/cdiff-infections-children/>
- Glass, Sarah E.** “Skin pigment affects oxygen monitor.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 11 October 2022, <https://news.vumc.org/2022/10/11/skin-pigment-affects-oxygen-monitor/>
- Glass, Sarah E.** “Colon Cancer Researcher Awarded NCI Grant for Study of Early Lesions.” *VUMC Reporter*, Vanderbilt University Medical Center, 22 September 2022, <https://news.vumc.org/2022/09/22/colon-cancer-researchers-awarded-nci-grant-for-study-of-early-lesions/>
- Glass, Sarah E.** “Supermeres: the baby in the bathwater!” Blogs, *ExRNA Portal*, ExRNA Research Portal, 2 September 2022, <https://exrna.org/blog-supermeres>
- Glass, Sarah E.** “Inflammatory Driver of Obesity.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 25 August 2022, <https://news.vumc.org/2022/08/25/inflammatory-driver-of-obesity/>
- Glass, Sarah E.** “Cell-free Breast Cancer ‘Biopsy’.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 11 August 2022, <https://news.vumc.org/2022/08/11/cellfree-dna-breast-cancer-biopsy/>
- Glass, Sarah E.** “Youthful Healing for Burn Wounds.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 21 April 2022, <https://news.vumc.org/2022/04/21/youthful-healing-for-burn-wounds/>
- Glass, Sarah E.** “New Prognosis Predictor and Target for Gastric Cancer.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 7 April 2022, <https://news.vumc.org/2022/04/07/prognosis-predictor-target-gastric-cancer/>
- Glass, Sarah E.** “Melanoma Treatment Response.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 24 February 2022, <https://news.vumc.org/2022/02/24/melanoma-treatment-response/>
- Glass, Sarah E.** “Tea Drinking and High Blood Pressure.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 14 October 2021, <https://news.vumc.org/2021/10/14/tea-drinking-high-blood-pressure/>

- Glass, Sarah E.** “Motor Protein Linked to Intestinal Cell Differentiation.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 5 August 2021, <https://news.vumc.org/2021/08/05/motor-protein-intestinal-cell-differentiation/>
- Glass, Sarah E.** “Markers for Breast Cancer Progression.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 9 March 2021, <https://news.vumc.org/2021/03/09/markers-breast-cancer-progression/>
- Glass, Sarah E.** “Modifying the Modifier.” *Vestigo*, Vanderbilt University School of Medicine, Basic Sciences, Winter 2021 Issue, https://issuu.com/vubasicsciences/docs/vestigo-winter_2021_accessibility
- Glass, Sarah E.** “WIN for Blocking Cancer Growth.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 21 January 2021, <https://news.vumc.org/2021/01/21/win-block-cancer-growth/>
- Glass, Sarah E.** “New Therapeutic Target for Lung Cancer.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 12 November 2020, <https://news.vumc.org/2020/11/12/therapeutic-target-lung-cancer/>
- Glass, Sarah E.** “New Markers of Colorectal Cancer Risk.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 29 October 2020, <https://news.vumc.org/2020/10/29/markers-colorectal-cancer-risk/>
- Glass, Sarah E.** “Depression and the Brain-Age Gap.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 19 October 2020, <https://news.vumc.org/2020/10/19/depression-brain-age-gap/>
- Glass, Sarah E.** “Clue to Diabetic Kidney Disease.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 5 October 2020, <https://news.vumc.org/2020/10/05/clue-diabetic-kidney-disease/>
- Glass, Sarah E.** “New Predictors of Prostate Cancer Risk.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 17 September 2020, <https://news.vumc.org/2020/09/17/predictors-prostate-cancer-risk/>
- Glass, Sarah E.** “Possible Key to COVID-19 Infectivity.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 7 September 2020, <https://news.vumc.org/2020/09/07/covid19-infectivity/>.
- Glass, Sarah E.** “The Importance of Estrogen Cycles.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 6 August 2020, <https://news.vumc.org/2020/08/06/estrogen-receptor-cycles/>.

Glass, Sarah E. “Soy Food, Metabolism, and the Microbiome.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 27 July 2020, news.vumc.org/2020/07/27/soy-metabolism-microbiome/.

Glass, Sarah E. “Recurrent UTIs Linked to Hidden Reservoir.” Aliquots, *VUMC Reporter*, Vanderbilt University Medical Center, 9 July 2020, news.vumc.org/2020/07/09/recurrent-uti-reservoir/.

Glass, Sarah E. “A Cell’s Breadcrumb Trail: Exosomes Mediate Cell Migration.” Basic Sciences Discovery, Vanderbilt University, 1 July 2020, medschool.vanderbilt.edu/basic-sciences/2020/07/01/a-cells-breadcrumb-trail-exosomes-mediate-cell-migration/.

Glass, Sarah E. “An Ounce of Prevention is Worth Two Pounds of Cure.” Basic Sciences Discovery, Vanderbilt University, 10 Apr. 2020, medschool.vanderbilt.edu/basic-sciences/2020/04/10/an-ounce-of-prevention-is-worth-two-pounds-of-cure/.

Glass, Sarah E. “Two is Better Than One: Combatting the Ebola Virus.” Basic Sciences Discovery, Vanderbilt University, 26 Mar. 2020, medschool.vanderbilt.edu/basic-sciences/2020/03/26/two-is-better-than-one-combatting-the-ebola-virus/.

Glass, Sarah E. “The Tale of the Targeted Mouse.” Basic Sciences Discovery, Vanderbilt University, 13 Feb. 2020, medschool.vanderbilt.edu/basic-sciences/2020/02/13/the-tale-of-the-targeted-mouse/.

MENTORING & SCIENCE OUTREACH

Graduate Coach, Ingenius Prep May 2023-May 2024

Coach applicants for STEM masters and graduate programs in school choice, CV and statement of purpose writing, and interview preparation. Extensive developmental and format editing of all applications components of applicants before submission

STEM Transition and Retention (START) advisor Aug 2021-May 2023

Mentor for 10 undergraduate STEM majors to navigate classes, joining a lab, and scientific skills such as primary literature reading, abstract writing, and scientific presentations, edit abstracts for undergraduate’s summer presentations

Vanderbilt Undergraduate Research Journal mentor Jan 2021-Aug 2022

Mentor for undergraduate students submitting original research to Vanderbilt’s Undergraduate Research journal regarding content, originality, and style as well as advising journal editors in review of submissions

NSF Graduate Research Fellowship Program (GRFP) advisor Aug 2019-now

Editor for undergraduate and graduate student proposals and personal statements for submission for the NSF GRFP and presenter for a talk discussing NSF GRFP and application process