

Alex J. Cole, M.D., M.H.S.
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Colleges and Universities Attended

June 2011- May 2015	B.S. Summa Cum Laude (Biomedical Sciences), University of South Florida, Tampa, FL.
July 2016 - May 2017	M.H.S., Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.
August 2018 - May 2023	M.D. University of Miami Miller School of Medicine, Miami, FL.

Residency and Fellowship Training

June 2023 - June 2026	Residency, Family Medicine, Memorial Health System, Gulfport, MS.
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Scholarships and Honors

Board Certification

May 2026 - American Board of Family Medicine

Employment

October 2026 - Current	Clinical Assistant Professor, Stanford School of Medicine, Stanford, CA
June 2017 - June 2018	Clinical Research Technician, Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, Baltimore, MD
June 2015 - May 2015	Emergency Department Medical Scribe, Heart of Florida Hospital, Davenport, FL

Teaching and Clinical Care

Clinical Teaching Responsibilities

2023-2026 Medical student supervision (6 students) Family Medicine Ambulatory care rotation and Hospital Medicine rotations 3 half days per month

Other Teaching Experience

2023-2026 Clinical Practice Didactics Lecturer, Memorial Hospital, Gulfport, MS

2022-2023 Anatomy Lab Teaching Assistant for Medical Students, University of Miami SOM, Miami

Major Administrative Responsibilities or Committee Assignments

2023-2026 Health System Research and QI Oversight Committee, Memorial Hospital, Gulfport, MS

2023-2026 GME Residency Research and QI Committee, Memorial Hospital, Gulfport, MS

2024-2025 Maternal-Fetal Health Services Clinical Effectiveness Program, Memorial Hospital, Gulfport, MS

2025-2026 Cardiovascular Department Clinical Effectiveness Program, Memorial Hospital, Gulfport MS

Public and Professional Service

Community Service Related to Professional Work

2015-2016 UF Health Cancer Center, Orlando Regional Medical Center, Volunteer Patient Care Ambassador, Orlando Florida

2016-2017 Living Classrooms Foundation, Cooking and Nutritional Literacy for Pediatrics living in Food Deserts, Baltimore, MD

2018-2022 Department of Community Service (DOCS) Health Fair Medical Student Volunteer, UM SOM, Locations throughout South Florida

2020-2021 SPARK-COVID-19 Medical Student Volunteer, Surveillance Center, Miami, FL

2022 The Miami Project to Cure Paralysis, Spinal Cord Injury Summit, Volunteer, Miami, FL

2022-2023 Global Organization for Wilderness Medical Education South Florida Regional Representative, Miami, FL

2023 Medical Examinations and ringside medical official, mixed martial arts tournaments, August 1, Gulfport, MS

2023 Bethel Free Clinic Medical Volunteer Provider, Biloxi, MS

2024 MLK Community Resource Expo, Health screening and education, Jan 14, Biloxi, MS

2024 Men's Health Education, Local churches, March 18, Long Beach, MS

2024-2026 Middle and High School Sports Physicals, throughout Gulf Coast, MS

2024-2026 Mercy Cross Free Clinic Medical Volunteer Provider, Gulfport, MS

Professional Societies

2023 - present	American Board of Family Medicine
2023 - present	American Academy of Family Physicians
2023 - 2026	Mississippi Academy of Family Physicians
2023 - present	American Medical Association

Post-Degree Honors and Awards

2025	Memorial Hospital Research Symposium, 1st place Research Poster Presentation
2025	Memorial Hospital 'Stellar' Award for Outstanding Clinical Service and Teamwork

Other Study and Research Opportunities

Past:

2017 – 2018	Funder: NIH P30 CA06973, Susan G. Komen, The Breast Cancer Research Foundation, The AVON Foundation Title: Pathologic Response Evaluation and Detection In Circulating Tumor DNA (PREDICT DNA) Role: Laboratory Technician, Sample Acquisition and Data Collection
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Bibliography

Peer-reviewed Articles (total 3)

1. Karen Cravero, Arielle Medford, Aparna Pallavajjala, Jenna Canzoniero, Natasha Hunter, David Chu, Rory L. Cochran, Ian Waters, Eric Christenson, Kelly Kyker-Snowman, Berry Button, **Alex J. Cole**, Ben Ho Park. Biotinylated amplicon sequencing: A method for preserving DNA samples of limited quantity. *Practical Laboratory Medicine*. Volume 12, e00108. 2018.
2. W. Brian Dalton, Eric Helmenstine, Noel Walsh, Lukasz Gondek, Dhanashree Kelkar, Abigail Read, Rachael Natrajan, Eric Christenson, Barbara Roman, Sam Das, Liang Zhao, Robert D. Leone, Daniel Shinn, Taylor Groginski, Anil K. Madugundu, Arun Patil, Daniel J. Zabransky, Arielle Medford, Justin Lee, **Alex J. Cole**, Marc Rosen, Maya Thakar, Alexander Ambinder, Joshua Donaldson, Amy E. DeZern, Karen Cravero, David Chu, Rafael Madero-Marroquin, Akhilesh Pandey, Paula J. Hurley, Josh Luring, and Ben Park. Hotspot SF3B1 mutations induce metabolic reprogramming and vulnerability to serine deprivation. *J Clin Invest*. 129(11):4708-4723. 2019.

3. Gary J Farkas, Lizeth J Caldera, Daniel D Hodgkiss, Jessica R Mitchell, Thomas F Pelaez, Maxwell A Cusnier, **Alex J Cole***, Scott G Daniel, Matthew T Farrow, Cameron M Gee, Eric A Kincaid-Sharp, Andrew Malcolm Green Logan, David W McMillan, Tom E Nightingale, Brianna Perdue, Pauline Portes, Francis T Walson, Alyssa M Volmrich, John M Reynolds, Mark S Nash, David R Gater, Arthur S Berg. Cardiometabolic Risk in Chronic Spinal Cord Injury: A Systematic Review with Meta-Analysis and Temporal and Geographical Trends. *J Clin Med*. 14(9):2872, 2025. **Awarded JCMi Editor's Choice Article.** *Performed extensive data acquisition and contributed substantially to data analysis. Participated in conceptual design of the study and critical revision and editing of the manuscript for important intellectual content.

Non-Peer-reviewed Articles (none)

Book Chapters (none)

Books: (none)

Book Reviews: (none)

Abstracts (3 total)

1. William B. Dalton, Daniel Shinn, Noel Walsh, Eric Christenson, Taylor Groginski, Dhanashree Kelkar, Anil Magugundu, Arun Patil, Daniel Zabransky, Arielle Medford, Justin Lee, **Alex Cole**, Josh Donaldson, Amy DeZern, Karen Cravero, David Chu, Natasha Hunter, Akhilesh Pandey, Josh Luring and Ben Park. SF3B1 mutations induce proteome remodeling, metabolic reprogramming, and a novel kind of tumor surface antigen in human cells. AACR; *Cancer Res* 78(13 Suppl):Abstract nr 1408. 2018.
2. M Shah, N Hunter, J Ensminger, D Shinn, **AJ Cole**, HE Quinn, DL Edelstein, C Wang, KL Smith, AL Richardson, A Cimino-Mathews, AC Wolff, K Cravero, BH Park, V Stearns. Detection of plasma tumor DNA in patients with HR+HER2 early breast cancer in clinical remission. *Cancer Res* 79(4 Suppl): nr P4-01-16. 2019.
3. Natasha Hunter, Heather Parsons, Alexander Sherry, Daniel Shinn, Dong Ho Shin, **Alex J. Cole**, Giovanni Cragnotti, Taylor Groginski, Margaret Leathers, Andrea Richardson, Pedram Argani, Antonio Wolff, Leslie Cope, Dan Edelstein, Frank Holtrup, Hillary Sloane, Bapsi Chakravarthy, Vered Stearns, Ben Park. Pathologic Response Evaluation and Detection in Circulating Tumor DNA (PREDICT DNA): Initial results piloting a tissue-biopsy independent method of identifying and monitoring tumor-specific mutations in early stage breast cancer. AACR; *Cancer Res* 80(4 Suppl):Abstract nr P6-10-05, 2020.

Posters

1. **Alex J. Cole**, Jacqueline Fries, Hasnaa Mouttaki. Solid Phase Analytical Separation of Organic Molecules Utilizing HKUST-1. University of South Florida Undergraduate Research Arts Colloquium, March 5, 2013. Tampa, FL.
2. **Alex J. Cole**, Jacqueline Fries, Hasnaa Mouttaki. Developing Novel Chromatography Techniques Utilizing MOFs. University of South Florida Undergraduate Research Arts Colloquium. April 17, 2014. Tampa, FL.
3. **Alex J. Cole**, Jacqueline Fries, Bill Baker. Evidence of Bioactive Punaglandins Found in Coral from Clearwater Reef, Florida. Castle Research Conference. April 12, 2014. Tampa, FL.
4. Majaliwa TT, **Cole AJ**, Santana JR, Broadfield DC. Accuracy of Anatomically-Guided Glenohumeral Joint Injections Using the Glenohumeral Acromioclavicular Portal (GAP) Technique: A Pilot Study. ASRA 21st Annual Pain Medicine Meeting. November 19, 2022. Orlando, FL.
5. **Cole AJ**, Bandamede M, Segui-Acevedo Y. Menstrual Toxic Shock Syndrome Masked as Pyelonephritis: A Case Report. *Memorial Hospital Research Symposium*. March 27, 2025. Gulfport, MS.

Special Materials

Theses

1. **Alex J. Cole**. A Critical Review of Cell-free MicroRNA-141 in the Development of Prognostic and Diagnostic Tools for Prostate Cancer. Master's Thesis, Johns Hopkins Bloomberg School of Public Health. Available at: <https://doi.org/10.5281/zenodo.18997560>. April, 2017.
2. **Alex J. Cole**. Natural products from Octocoral *Carijoa (Telesto) riisei*. Honors Thesis, University of South Florida Honors College. Available at: <https://doi.org/10.5281/zenodo.18997697>. April, 2015.

Digital Publications

1. Andrew Logan, **Alex Cole**, Abhinav Arora, Gregory Gandarillas, Zachary Kaufman, Javier Santana, Steven Wright. Contributions Made to TENS for Motor Recovery After Stroke. Published in *Physical Medicine and Rehabilitation/Rehab In Review* 30(6), 5. June 15, 2022. Available at: <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://esprm.eu/wp-content/uploads/2022/09/202206JuneRIR-SHADED.pdf>.

Abstracts Not Published in Other Forms (none)