

CASON M. HANCOCK

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EDUCATION

Ph.D. Cancer Biology, University of Arizona 08/2023 - Present
B.S. Biomedical Engineering, Columbia University 08/2021 - 05/2023
Concentrations: Cell and Tissue Engineering & Premed and Pre-Health Professional
B.S. Biochemistry, Centenary College of Louisiana, GPA: 3.76/4.00 08/2018 - 05/2021

RESEARCH EXPERIENCE

Ph.D. Student, Swarna Ganesh & Alexander McGhee Lab | Tucson, AZ 05/2024 - Present
Ph.D. Student, Nam Lee Lab | Tucson, AZ 03/2024 - 05/2025
Ph.D. Rotation Student, Ghassan (Gus) Mouneimne Lab | Tucson, AZ 01/2024 - 03/2024
Ph.D. Rotation Student, Curtis Thorne Lab | Tucson, AZ 10/2023 - 12/2023
Ph.D. Rotation Student, Rick Schnellmann Lab | Tucson, AZ 08/2023 - 10/2023
Research and Development Intern, Marker Therapeutics | Houston, TX 06/2022 - 08/2022
Johnson & Johnson Intern, Center for Device Innovation at TMC | Houston, TX 07/2021 - 08/2021
Summer Undergraduate Researcher, Keck Graduate Institute | Claremont, CA 06/2021 - 07/2021

RESEARCH PRESENTATIONS

Alpha-tubulin acetyltransferase 1 (ATAT) inhibits Ependymin-Related Protein 1 (EPDR1) and prevents Pancreatic Cancer Migration 04/2025
 Leidner C, **Hancock C**, Flores P, Mythreye K, Lee N.
 University of Arizona Pinnacle W.A. Franke Honors College

Ependymin-Related Protein 1 (EPDR1), a Potential Diagnostic and Prognostic Biomarker, Serves as a Tumor Driver in Pancreatic Cancer 02/2025
Hancock C, Ahmed T, Leidner C, Mythreye K, Lee N.
 University of Arizona Arizona Biological and Biomedical Sciences Recruitment Session

Ependymin-Related Protein 1 (EPDR1), a Potential Diagnostic and Prognostic Biomarker, Serves as a Tumor Driver in Pancreatic Cancer 12/2024
Hancock C, Ahmed T, Leidner C, Mythreye K, Lee N.
 University of Arizona 2024 GIDP Research Showcase

The Role of Ependymin-Related Protein 1 (EPDR1) in Pancreatic Cancer 05/2023
Hancock C, Lee N.
 University of Arizona Cancer Biology Colloquium

Mindful Mouthguards: Concussion Detection for High School Athletes 05/2023
 Simmons T, **Hancock C**, Hansen O, Fuller S, Wahl M, Heckelman, L.
 Columbia University Fu Foundation SEAS Senior Design Expo

TEACHING EXPERIENCE

Private AP Chemistry Tutor, SuperProf | Tucson, AZ 04/2025 - Present
Research Mentor for Undergraduate, University of Arizona | Tucson, AZ 09/2024 - Present
Mathematics Tutor, Centenary College of Louisiana | Shreveport, LA 08/2019 - 05/2021
Private Mathematics/ACT Tutor, At Home Academy | Shreveport, LA 10/2018 - 05/2021

TECHNICAL SKILLS

Laboratory Skills

Sterile and Aseptic Technique, Immunoblotting, Immunofluorescent, Immunohistochemistry
 Quantification, Gene Ontology, 2D & 3D Cellular Proliferation assays, Growth Inhibition Assays,
 Migration assays, Transduction, Transfection, Cell Metabolism Monitoring, Primary T cell culture and
 cryopreservation, ELISpot Assay, Wet and Dry Lab Data Acquisition, Equipment Ordering

Software Exposure

MacOS, Windows, Electronic Notebooks (LabGuru, LabArchives), GraphPad Prism, Desmos, Tinkercad,
 ImageJ, DAVID Bioinformatics, Perseus, GEPIA, TCGA

Coding Experience

Fundamentals in Arduino (C, C++, Java), Python, MATLAB, R

Biomedical Framework

Elemental understanding of Bioinstrumentation, Biomechanics, Biomaterials, Biological Imaging,
 System Physiology and Metabolism, Electrical Engineering, Thermodynamics

Productivity Applications

Zoom, Excel, Google Drive (Calendar, Documents, Sheets, etc.), Zotero, Paperpile

AWARDS

- **GPSC Reviewer Certification**, University of Arizona 05/2025
- **Achievement Rewards for College Scientists Nominee**, University of Arizona 09/2024
- **Cancer Biology Travel Grant**, University of Arizona 03/2024
- **GPSC Travel Grant**, University of Arizona 03/2024
- **University of Arizona Fellows Fellowship Award**, University of Arizona 08/2023 - 05/2025
- **Morch Scholarship**, Columbia University 08/2022 - 05/2023
- **Alan Todd Award for Outstanding Resident Assistant**, Centenary 05/2020
- **George P. Bundy Scholarship**, Centenary College of Louisiana 05/2020
- **Outstanding Contributions in Student Development**, Centenary 08/2020 - 05/2021
- **Top-Senior 'Maroon Jacket' Award**, Centenary College of Louisiana 08/2020 - 05/2021
- **Student Government Association "Pacesetter" Awards**, Centenary 08/2019 - 08/2021
- **Best Performance in Theatre**, Centenary College of Louisiana 05/2019
- **Buffalo Trail Scout Ranch Scholarship**, Buffalo Trail Scout Ranch 05/2019 - 05/2020
- **All-Teke Academic Team Scholarship**, Centenary College of Louisiana 05/2018 - 05-2019
- **Glenn and Melina Adams Scouting Project of the Year**, Troop 222 06/2018

AFFILITATES

- **Eagle Scout**, Boy Scout of America | Greater Houston Area, TX 05/2005 - Present
- **Student Co-Chair**, Joint Biology Research Retreat | Tucson, AZ 03/2025 - Present
- **UF Mentor**, University of Arizona University Fellows | Tucson, AZ 09/2024 - Present
- **Panelist**, Mentoring ABBS Students Program | Tucson, AZ 07/2024 - Present
- **Planning Committee**, Joint Biology Research Retreat | Tucson, AZ 09/2024 - 01/2025
- **Graduate Student Judge**, NSURP Research Symposium | Tucson, AZ 08/2024
- **Catalina High School UF Mentor**, University Fellows | Tucson, AZ 09/2023 - 05/2025
- **Directorate of Finance**, National Residence Hall Honorary | New York, NY 04/2022 - 05/2023
- **Admissions Administrative Assistant**, Columbia University | New York, NY 10/2021 - 06/2023
- **Member**, Uptown Local Men's Ultimate Frisbee Team | New York, NY 09/2021 - 05/2023
- **President**, Interfraternity Council | Shreveport, LA 01/2020 - 03/2021
- **Vice President**, Tau Kappa Epsilon | Shreveport, LA 01/2020 - 03/2021
- **Honoree**, Order of Omega | Shreveport, LA 01/2020 - 03/2021
- **Residence Assistant**, Residence Life | Shreveport, LA 08/2019 - 05/2021
- **Associate Provost Intern**, Centenary College of Louisiana | Shreveport, LA 08/2018 - 05/2019