

Paul T. McLean

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ENTHUSIASTIC PROFESSIONAL COMBINING BIOTECH WITH BUSINESS

Highly motivated biotech professional with a strong foundation in molecular biology, bio-manufacturing, and pharmaceutical development. Passionate about integrating scientific knowledge with business strategy in the biotech and pharmaceutical industries.

Education

North Carolina State University | Raleigh, NC

- Master of Microbial Biotechnology, 4.0 GPA 2024 – 2026
- Bachelor of Science in Biological Sciences, 3.6 GPA 2020 – 2024
- Minor - Biomanufacturing (Downstream)

Experience

Quality Assurance Intern – Merz Therapeutics | Raleigh, NC

Jun 2025 – Aug 2025

Led intern cohort operations and spearheaded the development of an interactive sales training module on Parkinson's disease symptoms for new hires, aligning scientific accuracy, commercial strategy, and empathy.

- Directed intern team workflows by facilitating stakeholder meetings, delegating project tasks, and aligning deliverables with QA leadership priorities.
- Participated in three internal audits, including one on-site in Ontario, Canada, by scribing findings, tracking CAPAs, and supporting inspection documentation for GMP compliance.
- Developed a standardized Quality Management Review (QMR) template summarizing fiscal-year performance metrics, enabling consistent reporting across therapeutic divisions.
- Reviewed and approved promotional materials for quality release, ensuring alignment with regulatory standards and brand integrity across commercial channels.

Graduate Consultant – Labtools.AI (Vitality Robotics) | RTP, NC

Jan 2025 – Apr 2025

Worked in a 5-person consulting project on product-market fit and early market strategy for two AI lab tools: LabIncytes (Image flow cytometry) and LabTrackerz (AI inventory and sample management).

- Co-authored a 17-page white paper: [State of the Lab – Inventory & Sample Management](#), supporting company business development efforts, investor pitch decks, and customer education.
- Informed product strategy pivot by uncovering wider market demand for LabTrackerz; identified niche, lower-volume applications for LabIncytes through expert interviews.
- Validated customer interest for LabTrackerz via customer discovery survey of 53 professionals (R&D, QC, PD); delivered early market strategy recommendations of buyer profiles, product positioning, and priority features.

Graduate Consultant – College of Textiles – North Carolina State University | Raleigh, NC

Aug 2024 – Feb 2025

Partnered with academic researchers to advance enzyme-embedded textile technologies aimed at carbon and nitrogen conversion, contributing strategic insights across funding, commercialization, and stakeholder engagement.

- Advised faculty-led research teams on funding acquisition strategies, including grant alignment and industry partnership opportunities, to support scalable textile bioconversion applications.
- Conducted market and feasibility analyses for enzyme-integrated fabrics, evaluating potential use cases in environmental remediation and sustainable manufacturing.
- Pitched the research findings as a business proposal at the CATALYZE commercialization conference and competed for \$6,000 in funding.

Graduate Consultant – W.L. Gore & Associates | Newark, DE (Remote)

Aug 2024 – Dec 2024

Advised the New Ventures department on market strategy of entry into the carbon dioxide capture market.

- Built a competitive landscape of 100+ manufacturing materials for inclusion in a Direct Air Capture (DAC) system.
- Delivered strategic recommendations on market positioning and product differentiation based on survey data, market findings, and competitive landscape.

Information Technology Intern – Merz Therapeutics | Raleigh, NC

Jun 2023 – Aug 2023

Orchestrated digital process improvement initiatives using Microsoft Power Platform, translating business needs into automated workflows and chat bot (virtual agent) prototypes to support internal IT operations.

- Designed and deployed low-code solutions using Power Automate and Power Virtual Agents, streamlining internal communications and task routing.
- Facilitated cross-functional meetings and presented solution demos to senior leadership, aligning IT deliverables with strategic business goals and compliance requirements.
- Applied critical thinking to troubleshoot infrastructure challenges and propose scalable automation strategies, despite entering the role with no prior IT background.