Emily Tran

RESEARCH TECHNICIAN

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SUMMARY

Research technician with 3 years in molecular biology labs running PCR, qPCR, cell culture and Western blot experiments for cancer and plant stress projects. Keeps detailed lab notebooks, manages lab ordering, and analyzes data in Microsoft Excel and GraphPad Prism for weekly lab meetings. B.S. in Biology from NC State.

SKILLS

- PCR
- qPCR
- Cell Culture
- Western Blot
- DNA/RNA Extraction
- Gel Electrophoresis
- GraphPad Prism
- Microsoft Excel
- Attention to Detail
- Organizational Skills

EXPERIENCE

Research Technician 07/2023 - Present

Triangle Institute for Cancer Biology Durham, NC

Technician in a 12-person tumor immunology lab.

- Run qPCR on 300+ samples a month and present expression results in GraphPad Prism at weekly lab meetings.
- Maintain 15 human and mouse cell lines with sterile cell culture technique, with **zero** contamination losses in 2025.
- Perform DNA extraction, PCR genotyping and gel electrophoresis for a mouse colony of 400 animals.
- Manage lab ordering on a $90K supply budget and keep freezer inventory current in Microsoft Excel.

Laboratory Assistant 08/2021 - 05/2023

Piedmont Agricultural Research Station Raleigh, NC

Part-time role in a plant genomics lab during the final two years of college.

- Ran Western blot and protein assays on 80 samples a week for a drought stress study.
- Prepared buffers, media and 500+ agar plates a month to written recipes.
- Extracted RNA from 1,200 leaf samples and logged each one in the shared sample database.
- Organized the -80 freezer map for 3 projects, cutting sample search time to under 5 minutes.

EDUCATION

Bachelor of Science 05/2023

North Carolina State University Raleigh, NC

Biology

CERTIFICATES

Working with Mice in Research (IACUC)

CITI Program

08/2023