# JULIAN MERCER

**RESEARCH ASSOCIATE**

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## PROFESSIONAL SUMMARY

Research Associate with 6+ years designing experiments, analyzing data, and moving projects from hypothesis to publication in molecular biology and drug discovery. Comfortable owning protocols, mentoring junior staff, and communicating results to scientific and business audiences.

## PROFESSIONAL EXPERIENCE

**Research Associate II** Mar 2024 - Present
**Genentech, South San Francisco, CA**

- Designed and ran cell-based assays across 12 compound series, delivering dose-response data that guided three lead selections.
- Analyzed experimental datasets in R and GraphPad Prism and presented findings to a 20-person project team every two weeks.
- Co-authored two internal technical reports and contributed figures to one peer-reviewed manuscript.
- Trained four junior scientists on aseptic technique and electronic lab notebook practices.
- Presented assay results to cross-functional teams and proposed follow-up experiments that narrowed compounds for the next stage.

**Research Associate I** Jun 2022 - Feb 2024

- Optimized a qPCR workflow that improved well-to-well reproducibility from 15% to 6% coefficient of variation.
- Optimized an ELISA protocol with revised incubation steps and controls, reducing inter-assay variability from 18% to 9%.
- Wrote detailed experiment summaries in the electronic lab notebook for project review meetings, supporting faster go or no-go decisions.
- Maintained cell lines for a lead-optimization program, keeping viability above 90% across weekly assay runs.

**Research Associate** Jul 2020 - May 2022
**Amgen, Thousand Oaks, CA**

- Executed protein expression and purification runs for antibody candidates, increasing average yield 25% through buffer screening.
- Planned design-of-experiments studies in JMP that reduced the number of required runs by about 30%.
- Maintained instrument calibration records and troubleshooting logs for plate readers and liquid handlers.
- Documented methods in the electronic lab notebook, enabling two colleagues to reproduce results without clarification.
- Trained three new associates on assay techniques and safety practices, shortening onboarding by about two weeks.
- Coordinated reagent ordering with vendors and lab operations, avoiding experiment delays during a critical screening campaign.
- Supported two screening campaigns by preparing plates and running automated liquid handlers with consistent well-to-well results.

## CORE SKILLS

Experimental design | Data analysis | Cell-based assays | qPCR | Protein purification | Design of experiments | R | GraphPad Prism | JMP | Electronic lab notebooks | Aseptic technique | Scientific writing | Troubleshooting | Mentoring

## EDUCATION

**B.S. in Biochemistry**, University of California, San Diego, La Jolla, CA

## CERTIFICATIONS

Good Laboratory Practice (GLP) Training | Bioprocess Fundamentals Certificate