

Elena Klein

Bioprocess Research Technician

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Chicago, IL 60601

STRENGTHS

- Analytical Testing Expertise**
Skilled in operating complex analytical instruments, enabling accurate testing and evaluation of samples across numerous projects.
- Research Communication**
Demonstrated ability to present intricate data findings clearly, promoting project clarity and securing stakeholder engagement.
- Team Collaboration**
Fostered strong relationships within multidisciplinary teams, driving successful outcomes through collective problem-solving.
- Laboratory Safety Compliance**
Proactive approach towards health and safety initiatives, advocating for rigorous standards in laboratory environments across projects.
- Sample Management Skills**
Efficiently managed sample collection, organization, and archival processes, ensuring functionally aligned laboratory efforts.

SKILLS

- Biotechnology
- Bioreactor Operations
- Analytical Testing
- Molecular Biology Data Analysis
- Laboratory Safety
- Technical Documentation
- Health and Safety Practices
- Laboratory Equipment Maintenance
- Collaboration Problem-Solving
- Experimental Design
- Quality Assurance

SUMMARY

Innovative and driven Bioprocess Research Technician with extensive training in biology and bioengineering. Hands-on experience operating bioreactors and conducting analytical tests. Passionate about contributing to environmental biotechnology efforts through collaboration and effective research. Known for a commitment to safety and quality assurance, while performing DNA isolation and qPCR analyses with precision. Dedicated team player who thrives in a collaborative setting, adept at managing data archiving and sample management, ensuring accuracy and reliability in experimental results. Eager to support impactful scientific projects alongside a motivated team.

EDUCATION

Bachelor of Science in Biology

University of Illinois GPA: 3.8 2026 Champaign, IL

Coursework: Microbiology, Bioengineering, Genetics, Environmental Science

TECHNICAL SKILLS

- **Bioreactor Technologies:** Batch Systems, Continuous Culture, Fermentation Processes
- **Analytical Instrumentation:** HPLC, GC, UV-Vis Spectroscopy
- **Molecular Biology Techniques:** qPCR, DNA Extraction, Gel Electrophoresis
- **Safety Procedures:** Hazard Assessments, Chemical Handling, Waste Disposal
- **Data Management Tools:** Microsoft Excel, SPSS, Laboratory Information Systems
- **Project Collaboration Tools:** Trello, Asana, JIRA
- **Statistical Analysis Software:** R, Python, SAS
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Educational Resources:** PubMed, Google Scholar, Academic Journals
- **Quality Management Standards:** ISO 9001, Good Laboratory Practices, CAAB

EXPERIENCE

- Biological Research Intern**
- University Research Lab June 2025 - Present Chicago, IL
- Supports diverse biological research projects through hands-on experience in laboratory settings. Focused on operating bioreactors, maintaining laboratory equipment, and contributing to reliable data collection and analysis.
- Operated and monitored bioreactors and fermenters for environmental applications, ensuring compliance with safety protocols.
 - Conducted literature reviews supporting research initiatives, summarizing findings effectively for team presentations.
 - Collected and analyzed samples, actively contributing to pilot-scale experiments that influenced decision-making.
 - Performed DNA isolation and prepared samples for qPCR analysis, enhancing overall laboratory efficiency.
 - Utilized spectrophotometry and chromatography for analytical testing, providing precise results beneficial to ongoing research pursuits.
 - Collaborated with colleagues to streamline laboratory operations, manage samples, and organize data accurately.
- Undergraduate Research Assistant**
- Academic Research Group September 2023 - May 2025 Evanston, IL
- Contributed to academic research projects through operational support and data handling. Enhanced laboratory protocol adherence while engaging in various biotechnology tasks.
- Assisted with operation of analytical instrumentation such as FT-IR and HPLC systems, gaining valuable technical skills.

Research Methodologies

Health Assessments

Documentation

LANGUAGES

English Native

Spanish Proficient

MY CAREER



- Biological Research Intern at University Research Lab (1.2 Years)
- Undergraduate Research Assistant at Academic Research Group (1.7 Years)

- Supported health and safety initiatives by conducting hazard assessments, fostering safe lab practices for all team members.
- Compiled and presented experimental results during weekly meetings, encouraging collaborative communication among peers.
- Engaged in extensive data collection and analysis, furthering project objectives and establishing best practices.
- Developed strong technical documentation skills through clear and detailed reporting of research activities and outcomes.
- Collaborated with faculty and fellow students to refine methodologies and evolve project directions positively.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois, 2024-2026
- Recipient of the Undergraduate Research Scholarship, 2025

CERTIFICATIONS

- Certified in Laboratory Safety Procedures 📅 2025
- Training in Molecular Biology Techniques 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Biology Club
- Volunteer, Environmental Awareness Initiative

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST