

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

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

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