

Rosalie Gallagher

Invertebrate Pest Biology Intern

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STRENGTHS

-  **Effective Communicator**
Consistent facilitation of clear communication within a research community, recognized for conveying complex concepts with ease.
-  **Detail-Oriented Organizer**
Regularly designed structured documents and maintained impeccable records driving clarity in research processes.
-  **Adaptable Team Player**
Frequently collaborated across multiple project facets, adapting swiftly to altering priorities or methodologies, contributing positively.
-  **Dedicated Learner**
Actively pursue new skills and laboratory methods, indicated by participation in workshops and continual growth in experimental practices.
-  **Problem Solver**
Regularly applied critical thinking to assess lab challenges, enhancing operational efficiency and methodology improvements.

SKILLS

Laboratory Techniques

Data Analysis

Biopesticide Development

Microsoft Office

Time Management

Communication

Experimental Design

Research Methodologies

Pest Management

Team Collaboration

Health Monitoring

Performance Documentation

SUMMARY

Current biology student passionate about pest biology and biopesticide development, possessing hands-on laboratory and greenhouse experience. Adept at executing experiments, maintaining insect colonies, and collaborating with scientists to evaluate insecticidal candidates. Attention to detail ensures organized documentation and cleanliness in laboratory environments. Eager to contribute to research operations by implementing effective methodologies while balancing academic pursuits. Proficient in Microsoft Office applications facilitates seamless communication within scientific teams. Committed, reliable, and excited to help advance agricultural pest management through research.

EDUCATION

Bachelor of Science in Biology

University of California, Davis  GPA: 3.7  2026  Davis, California

Coursework: Entomology, Biochemistry, Genetics, Ecology

TECHNICAL SKILLS

- **Microsoft Office Suite:** Word, Excel, PowerPoint
- **Laboratory Tools:** Microscope, Centrifuge, Autoclave
- **Statistical Analysis Software:** R, SPSS, SAS
- **Biosafety Equipment:** PPE, Fume Hoods, Safety Glasses
- **Pest Management Tools:** Traps, Pesticide Sprayers, Insect Identification Kits
- **Data Recording Systems:** Lab Notebooks, Electronic Databases, Sample Tracking Software
- **Plant Care Materials:** Plant Nutrients, Soil Amendments, Fertilizers
- **Biopesticide Types:** Microbial, Botanical, Mineraloid
- **Research Methodologies:** Controlled Experiments, Field Trials, Laboratory Analysis
- **Field Data Collection:** Surveys, Monitoring Schemes, Observational Studies

EXPERIENCE

Invertebrate Biology Research Intern

University Research Lab  January 2026 - Present  Davis, California

Contributed to experimental design and execution as part of a dynamic research team focused on biopesticide efficacy. Worked closely with scientists to maintain insect colonies, prepared nutrient-rich diets, and ensured optimal health conditions for accurate outcome reflection. Documented systematic processes and results aligned with best practices, amplifying future research capabilities. Participated in data analysis discussions and refined experimental methodologies regularly. Maintained laboratory safety protocols and cleanliness for a productive environment.

- Executed complex experiments testing biopesticides, ensuring methodological rigor.
- Prepared diverse diets for insects, optimizing study conditions and outcomes.
- Conducted consistent bioassay experiments documenting significant insecticidal effects.
- Maintained detailed logs with precise information for research staff and future studies.
- Collaborated actively in team meetings enhancing overall research methodologies.
- Adhered to lab safety standards contributing to functional laboratory efficiency.

Capstone Project Developer

Academic Research Project  September 2025 - December 2025  Davis, California

Led an innovative capstone project investigating biopesticide impacts on local pest populations within agricultural setups. Inspired interdisciplinary inquiry among peers, facilitating project coordination and valuable insights from agricultural stakeholders. Utilized statistical tools for robust data analysis, reinforcing the credibility of findings. Presented results through engaging multimedia platforms that underscored clarity and analytical depth, earning recognition for thoroughness.

- Conducted comprehensive investigations focusing on various biopesticides used in agriculture.

Entomological Practices

Quality Control

English Native

Spanish Intermediate

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YEARS

- Invertebrate Biology Research Intern at University Research Lab (7 Months)
- Capstone Project Developer at Academic Research Project (3 Months)
- Research Assistant at Student Lab (2 Months)

- AVAILABLE ON REQUEST