

# 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

## A donut chart with a white center containing the number '1' and the word 'YEARS' below it. The donut ring is divided into four segments of different shades of gray, representing a total of 1 year.

- 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)

- Developed structured project plans detailing objectives, methodologies, and timelines.
- Utilized statistical analysis software yielding substantial insights into effectiveness.
- Presented findings effectively to both peers and faculty receiving fruitful feedback.
- Sought input from local agricultural groups to enrich project context and relevance.
- Compiled meticulous reports illustrating progress and implications for private review.

Student Lab  June 2025 - August 2025  Davis, California

Facilitated research projects revolving around plant pathology, showcasing a commitment to effective experimentation and collaboration within a laboratory setting. Contributed to experimental planning and data collection methods, allowing smoother workflow interactions. Supported overall research endeavors through improved tracking systems for collecting essential data tied to ongoing projects.

- Assisted in preparing research samples enhancing readiness for ongoing experiments.
- Recorded critical observations supporting subsequent research goals into pest behaviors.
- Initiated team discussions aimed at improving research techniques based on shared outputs.
- Documented experimental conditions meticulously accessing extensive insights readily.
- Engaged in skill enhancement workshops promoting further knowledge application.
- Maintained collaborative spirit amongst peers fostering positive learning environment.

- Dean's List, University of California, Davis, 2025
- First Place, Campus Science Fair, 2025

- Microsoft Office Specialist Certification 📅 2026
- Laboratory Safety Certification 📅 2026

- Member, Biology Club, University of California, Davis
- Volunteer, Local Environmental Initiative, Sacramento, CA

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

AVAILABLE ON REQUEST