

# Jenna Marie Aquino

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## ***Education***

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**San Francisco State University**  
2016-2020

BS- Microbiology with minor in Chemistry

**San Diego State University**  
2020-Present

Cell and Molecular Biology Master's Program

## ***Research/Laboratory Experience***

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**San Francisco State University**  
**Sehgal Avian Parasitology Lab**  
Undergraduate Assistant  
September 2018-May 2020

Researched avian disease, *Babesia uriae*, in Common Murres admitted at the International Bird Rescue. Gathered samples in the field by catching birds in San Francisco, Bay Area. Studied transmission, infection rates and gene expression of parasites by utilizing traditional molecular and microscopy techniques.

**R/V Questuary Cruise**  
Student  
October 2019

Performed biological oceanography techniques such as using a Secchi disk, vertical point water sampler and Van Veen grab sampler on research boat. Sampled the water in San Francisco Bay using a CTD cast to look at depth, temperature, conductivity, salinity, fluorescence and irradiance on a CTD vertical graph.

**San Francisco State University**  
**LeBuhn Ecology Lab**  
Undergraduate Assistant  
February-May 2018

Analyzed the effects of the removal of the invasive exotic weed French Broom (*Genista monspessulana*) on pollinator activity and flower reproduction. By collecting data on plant species such as weight, fruit set, aborted seeds and pollinator species before/after control-impact design was managed.

**San Diego State University**  
**Graduate Assistant**  
August 2020-Present

Prepared all materials for a microbiology laboratory class. Used common microbiology techniques including making bacterial cultures, media and plate streaking.

## ***Teaching/Outreach Experience***

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**San Francisco State University**  
Learning Assistant  
January-December 2018

Facilitated active learning in chemistry courses by holding study sessions and reflections on past lessons. Attended weekly pedagogy meetings for effective learning and teaching techniques.

**San Francisco State University**  
**Chemistry Department**  
Student Assistant  
*August 2018-December 2019*

Provided constructive feedback within chemistry courses. Managed exam activities and test materials both inside and outside the classroom.

**Daly City Partnership**  
Tutor and Homework Program Instructor  
*September 2019-April 2020*

Accommodated personal tutoring for elementary students that require more assistance. Administered a homework program for students with a less affluent background and supplied them with necessary materials and knowledge to succeed in the classroom.

### ***Grants***

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*Instructionally Related Activities for Student Research in Biology*  
*Elliot Family Fund Scholarship*

*May 2019*  
*October 2020*

### ***Presentations***

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**Aquino, J.**, Amaya-Mejia, W., Duerr R., Sehgal R., Prevalence of *Babesia* and Malarian Diseases on Common Murres to be Linked to Sudden High Mortality Rates. 67<sup>th</sup> Annual Meeting of The Western Section-Wildlife Society (TWS WS) Annual Meeting; February 2-7, 2020. Redding (USA). Abstract accepted.

**Aquino, J.**, Amaya-Mejia, W., Duerr R., Sehgal R., Prevalence of *Babesia* and Malarian Diseases on Common Murres to be Linked to Sudden High Mortality Rates. NorCal Parasitology Meeting; February 8, 2020. California State University of East Bay, Hayward (USA). Poster Presentation.

**Aquino, J.**, Amaya-Mejia, W., Duerr R., Sehgal R., Prevalence of *Babesia* and Malarian Diseases on Common Murres to be Linked to Sudden High Mortality Rates. Bay Area Ecology and Evolution of Infectious Diseases; February 28, 2020. University of California, Berkeley (USA). Poster Presentation.

Duerr R., Amaya-Mejia W., Soebeck J., Purdin G., **Aquino J.**, Sehgal R., Luevano I., *Survey of Hemoparasites in Common Murres (Uria Aalge) Undergoing Rehabilitation in California.* Climate Change and It's Impacts on North Pacific Marine Ecosystems Meeting of the Pacific Seabird Group; February 12-15, 2020. Portland, Oregon (USA). Co-author of Presentation.

### ***Organizations***

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*San Diego State University Biology Diversity Committee*