

Stephen Schnackenberg

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Education

Colorado State University, Fort Collins
Bachelor of Science, Biological Science

Graduated May 2011

Experience

Pharmaceutical Manufacturing, Aerotek Scientific

Boulder, CO

Contractor Manufacturing Associate II at Amgen

May 2012 – November 2013

- Manufactured drug substances through large scale and small scale fermentation and purification.
- Prepared large scale and small scale buffers and medias.
- Worked as part of a team to ensure drug production was performed in accordance with current Good Manufacturing Practice and Standard Operating Procedures.
- Frequently utilized applications such as MES, SCADA, and LIMS in everyday operations.
- Assisted in engineering runs of drug production to ensure equipment and document integrity.
- Participated in lean manufacturing production and six sigma.
- Performed Clean in Place, Clean Out of Place, and Steam in Place operations for large scale and small scale tanks.

Trinidadian Guppy Laboratory, Colorado State University

Fort Collins, CO

Laboratory Technician

July 2010 – December 2011

- Performed research for graduate students:
 - **Salinity Effects on Trinidadian Guppy Growth**
 - Anesthetized and weighed Trinidadian guppies to determine the effects of salinity on growth across different populations.
 - **Effects of Predator Encounters on Trinidadian Guppy Fast Start Response**
 - Assisted with experimental design and execution of observing and recording guppy fast start reaction in the presence of a pike cichlid predator.
 - Designed and constructed test arena for recording guppy/predator encounter trials.
 - Developed protocols for experiment under the guidance of the author of the study.
- Promoted guppy survival through maintaining a proper living environment by changing flow through tanks, performing partial water changes and feeding fish.
- Minimized risk of outbreak by quarantining infected fish for treatment.

CSU Dining Services, Colorado State University

Fort Collins, CO

Production Assistant

January 2009 – July 2010

- Prepared and served food according to safety guidelines for a population of approximately 5,500 students.
- Assisted in storeroom management by receiving orders and stocking kitchens.
- Encouraged kitchen efficiency by maintaining a clean and organized storeroom.

Activities

- Designed and presented a poster based on data analysis measuring fast start reaction time in hybrid Trinidadian guppies for Celebrating Undergraduate Research and Creativity showcase in April 2011.
 - Logged over 100 hours capturing fast start reactions using MIDAS High Speed Camera software and anesthetizing, weighing, and taking photos of guppies.

Additional Information

- Proficient technical writing and communication skills, familiar with MS Office.
- Experience with ester synthesis, Western blot, cell culture, SDS-PAGE, and *E. coli* transformation, polymerase chain reaction, and gel electrophoresis.