

Tracy Susan

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Work History

Eurofins BioDiagnostics

November 2018 -April 2023

1821 Vista View Dr. Longmont, CO 80504

(Closing Longmont location)

BFB (Bacteria fruit Blotch) Supervisor

Supervision over working greenhouses and BFB technicians

Read greenhouse plantings checking for infections of BFB using test strips, PCR and pathogeny confirmations

Conduct seed wash testing, including DNA extractions and qPCR

Maps for greenhouse plantings, seed counting, prepare media and buffers, gel electrophoresis, pH meters, order supplies

Data analysis, client communication, reporting of results to clients

All molecular work (DNA & RNA extractions and sequencing) for all departments including and not limited to genetics, virus, mycology, microbiome and bacteria

Culture plating and analysis, positive control overseeing, aseptic & sterile technique, proper hazard waste disposal

Worked directly with R&D supervisor researching new methods and writing new protocols for 2+ yrs

Lead microbiome department for 1 year before moving to sister lab. Conducted testing on food & beverages, DNA extractions and analysis

Hach – Contract Associate through PrimeSource

September 2016 - March 2018

5600 Lindbergh Dr., Loveland, CO 80538

Supervisor: Vishnu Rajasekharan

970-663-1377x2992

Chemistry Lab Technician (Position began as Internship through Rehire program:Larimer County Workforce)

Work independently and in conjunction with team members and engineers

Run CH Instruments to perform electrochemical experiments (Potentiostats, Bipotentiostats, and Multi potentiostats series instruments)

Data analysis: Excel, R Statistical Analysis Software, and LabView (system engineering software)

Perform dilutions and make standard solutions for experiments

Use and maintenance of laboratory equipment such as weight scales, pH and conductivity meters, pipets, burets

Reports and presentations of research

Biochemical Oxygen Demand test using LDO and manometric methods

Perform Titrations: Digital and manually
Proper use/disposal of hazardous chemicals and waste
Order laboratory supplies

U.S. Geological Survey – Molecular Ecology Lab

July 2014 – May 2016

2150 Centre Ave, Building C, Fort Collins, CO 80526

Supervisor: Jennifer Fike 970-226-9100

Molecular Ecology Laboratory Technician (Position began has volunteer, offered work study, and was offered Laboratory Technician position for graduation)

Perform DNA extractions from feathers, tissue, and fecal samples
Follow protocol for Polymerase Chain Reaction (PCR) analysis
Organize processing of samples from a Wild Horse study
Use and maintenance of lab equipment used in genetic analysis such as thermal cyclers, genetic analyzer, real time PCR, and Genomic sequencer
Field work- Collection of sage grouse feathers for a wide range sage grouse study
Gel electrophoresis
Determine DNA concentration using Qubit and Nano Drop
Training of undergraduate students in work-study
Making of standard solutions and use math skills to perform dilutions
Analysis of data using word, excel, Applied Biosystems AB3500 and Gene mapper

Education

Colorado State University, Fort Collins, Colorado

Graduation: December 2014

Bachelor of Science in Wildlife Biology, Warner College of Natural Resources

GPA: 3.2

Pikes Peak Community College, Colorado Springs, Colorado

Graduation: May 2012

Associate of Science Degree, Phi Theta Kappa Honor

GPA: 3.7

References

Rick Nipper

President of Eurofins

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Lorena Dean

Business development

719-342-1484

Ravi Chitrampalam

R&D

720-526-4997

