

PROFESSIONAL EXPERIENCE

Microbiologist IV

IEH Donlevy Laboratories

06/2017 – 03/2018

Food and Environmental Microbiology Laboratory

Achievements/Tasks

- PCR analyst testing primarily for E. Coli(O157, EHEC), Salmonella, Listeria, Campy.
- Excellent aseptic technique and quality assurance
- FDA, USDA, USP testing procedures and protocol
- Experienced in allergen testing Gliadin, Soy, Milk, Egg, Nuts, etc.
- Phenotypic and genotypic quantitative and qualitative diagnostics (PCR, petrifilm, serology, water quality analysis, colony picking, molecular assays)
- Identification of different types of bacteria, mold/yeast, and lactic acid bacteria, etc.
- Lab to client communications regarding results and testing procedures.
- Other roles: Internal auditor and environmental sample technician

Contact: Andrew Miller – Amiller@donlevylab.com

Golf Operations

Sand Creek Country Club

2014 – 10/2017

Premier Family Country Club of the Midwest

Achievements/Tasks

- Worked in an affluent country club environment catering to the needs of members and guest, while supervising golf operations and of 3-6 golf attendants.

Contact: Cory Blanchard – cblanchard@concertgolfclubs.com

Research Assistant

Valparaiso University

01/2015 – 05/2017

Worked under Andrew Butler, Ph.D. in the department of Psychology and Neuroscience

Achievements/Tasks

- Experimental research in psychology
- EEG analysis, IRB review process, individual participant and large scale lecture hall data collection
- Presented research at national and local conferences

Contact: Andrew Butler – Andrew.Butler@valpo.edu

Tournament Director

Northwest Indiana Jr. Golf Association

2014 – 2017

Achievements/Tasks

- Hosted junior golf tournaments throughout Indiana 16 tournaments per summer/fall (50-150 participants per tournament, Ages: 6-18)
- Responsibilities included all aspects of hosting a golf tournament from start to finish. Setting up for tournament, rule officiator, coordinated players tee-times, and scoring.

Contact: Greg Olson – (219) 395 - 0280

SKILLS

Polymerase Chain Reaction (PCR)

Gas Chromotography-Mass Spectroscopy

Greenhouse and Outdoor Plant Horticulture

Titan Laboratory System

IEH Laboratory Information Management System (LIMS)

Environmental Testing (Swab, Soil, Air, Water)

Extractions and Filtrations

Microsoft Office

UNDERGRADUATE RESEARCH

Undergraduate Replication Research (2014)

- Replicated study of published research in psychology: Temperature perception and social loneliness. (Presented at undergraduate research conference)
- Replicated study of published research in psychology: Justice focused decisions impact on racial biases.

Audiovisual perception interaction with emotion to impact memory recall of human faces (2016)

- Undergraduate research focused on audiovisual processing and emotion. Presented at psychology and neuroscience conferences

Impact of emotional auditory information on general and specific visual recognition (2015 – 2017)

- Undergraduate research on emotional audio information and how it decreases memory and recognition capabilities
- Included EEG analysis and was presented at APS conference in Boston, Mass.

Cell specification in blastopore and surrounding cells effect on involution in Xenopus laevis embryo. (2016 – 2017)

- Undergraduate research in developmental biology examining embryo development.
- Embryonic microsurgery and vitelline envelope removal
- Embryo and adult amphibian handling

Temperature and Abscisic Acid impact on Seed Development in Arabidopsis thaliana (2015 – 2017)

- Undergraduate research involving plant hormone application and temperature manipulation and how it relates to seed development.
- Greenhouse and lab growing experience, hormone application, seed germination

VALPARAISO UNIVERSITY

Bachelor of Science in Biology (Biochemistry) and Bachelor of Science in Psychology (2013 – 2017)

Courses: Organic Chemistry, Neurobiology, Genetics, Plant Biology, Developmental Biology, Developmental Psychology, Physiology, Industrial/Organizational Psychology, Abnormal Psychology, Neurophysiology, Cell Transmission and Disease, etc.