

RESUME OF LEILANI V. NGUYEN

EDUCATION

- 9/2020*** ***University of California, Davis: Davis, CA***
Master of Science in Forensic Science
- 6/2018*** ***University of California, Davis: Davis, CA***
Bachelor of Science in Biological Science
- 6/2016*** ***Irvine Valley College: Irvine, CA***
Associates of Arts and Sciences in Biology

EMPLOYMENT

- 2/2023 – Present*** ***Serological Research Institute, Richmond, CA***
Forensic DNA Analyst I
Handling, examination, and screening of evidence items. Extraction, quantification, and amplification of DNA from known evidence samples. Analyze and interpret data, provide expert testimony and analytical reports. Experience includes robotic extraction on the EZ1/2 instrument, quantitation with Real-Time PCR using Quantifiler Trio kit on the ABI Quant Studio 5, amplification with GlobalFiler and Yfiler Plus kits, and STR and YSTR analysis on the ABI 3130xl and 3500 using GeneMapper ID-X software.
- 8/2021 – 1/2023*** Forensic DNA Technician
- 7/2020 – 8/2021*** Assistant Forensic Serologist
Handling, examination, and screening of evidence items. Extraction, quantification, and amplification of DNA from known evidence samples. Experience includes robotic extraction, quantitation with Real-Time PCR using Quantifiler Trio kit on the ABI 7500 and the QuantStudio 5, amplification with GlobalFiler and Yfiler Plus kits on the ABI 9700, STR and YSTR analysis on the ABI 3130xl and 3500 using GeneMapper ID-X software.

LEILANI V. NGUYEN

EMPLOYMENT (continued)

- 7/2019-7/2020*** Intern
Assisted an analyst with internal laboratory validations of: probabilistic genotyping software BulletProof and ABI QuantStudio5. Assisted with reagent preparation, biohazard waste disposal, and dishwashing.
- 4/2020 – 6/2020*** ***UC Davis Forensic Science Graduate Program, Davis, CA***
Teacher's Assistant (FOR 281)
Assisted with the "FOR 281 DNA Laboratory" course in the UC Davis Forensic Science Graduate Program. Prepared videos of the laboratory assignments for the students since they could not participate during COVID-19 lockdown. Graded weekly assignments and exams.
- 1/2020 – 3/2020*** ***UC Davis, Davis, CA***
Teacher's Assistant (BIS2A)
Lead students through 3 two-hour discussions each week to help prepare them for their exams. Topics covered were as follows: basic biochemistry, DNA replication, transcription, translation, gene expression, and genetics.
- 2/2019 – 3/2020*** ***Food Animal Residue Avoidance Databank (FARAD):***
Researcher Assistant
Analyzed meloxicam, an antibiotic used to treat inflammation in food animal such as chickens and sheep. Isolated meloxicam from eggs and various tissue muscles using liquid-liquid extraction and quantitated using high pressure liquid chromatography (HPLC). Handled animals such as chickens and sheep.
- 4/2019 – 6/2019*** ***UC Davis, Davis, CA***
Teacher's Assistant (MIC 103L)
Introduced students the basic laboratory techniques of microbiology science and research. Provided live demonstrations on proper laboratory techniques such as T-streaking, gram staining, colony isolation, biochemical assays and culture quantification. Assisted students with tasks throughout the lab period. Graded weekly homework and proctored exams.
- 9/2018 – 12/2018*** ***UC Davis, Davis, CA***
Teacher's Assistant (BIS 2B)
Lead students through introduction to evolution and ecology laboratory exercises. Prepared thirty-minute lectures for the beginning of each laboratory class. Topics included population diversity, population growth,

LEILANI V. NGUYEN

population genetics, Hardy-Weinberg Principle, and natural selection. Graded weekly lab homework and proctored exams.

6/2016 – 9/2018

Department of Animal Science: Klasing Lab, Davis, CA

Research Assistant

Extracted, amplified (RT-PCR and qPCR) and analyzed RNA from feather samples. Performed microbiological techniques such as plate streaking, colony counting, and CFU calculations for Blood Killing Assays. Collected bird blood samples and feather samples for experiments.

2/2017 – 6/2017

UC Davis Forensic Science Graduate Program, Davis, CA

Intern

Learned how to extract, amplify (qPCR) and STR-type human DNA and mitochondrial DNA.

PROFESSIONAL AFFILIATIONS

California Associations of Criminalists: Associate member since May 2021

TESTIMONY EXPERIENCE

None at present

CONTINUING EDUCATION AND TRAINING

31st International Symposium on Human Identification (Virtual), September 14th-18th, 2020.

32nd International Symposium on Human Identification (Virtual), September 13th-16th, 2021.

33rd International Symposium on Human Identification (Virtual), October 30th-November 3rd 2022

PUBLICATIONS

DeRogatis, A. M., Nguyen, L. V., Bandivadekar, R. R., Klasing, K. C., & Tell, L. A. (2020). Anti-microbial activity of whole blood and plasma collected from Anna's Hummingbirds (*Calypte anna*) against three different microbes. *PLoS one*, 15(6), e0234239.

Updated 2/2023