

Alexandra Kamenel

Laboratorian with over five years of experience. I am a quick learner, and a highly organized and motivated self starter.

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EXPERIENCE

Department of Microbiology, Genova Diagnostics, Asheville NC — *Medical Laboratory Technologist - Microbiology*

AUGUST 2016 - PRESENT

- Identified enteric bacteria using chromogenic agars, typing assays, MALDI-TOF mass spectrometry, and Vitek 2 automated identification and sensitivity assays
- Examined via light microscopy trichrome-stained slides and iodine-stained concentrated wet mount preparations in order to identify intestinal protozoa and parasitic helminths/ova in patient samples submitted for clinical diagnostics.
- Complete >20 hours of continuing education per year and participate quarterly in College of American Pathologists proficiency testing and in-house quality assurance.
- Have resulted more than 5,000 patient samples

Department of Endocrinology, Genova Diagnostics, Asheville NC — *Medical Laboratory Technologist - Chemistry*

OCTOBER 2012 - AUGUST 2016

- Used high complexity manual and automated competitive and direct binding immunoassays to measure hormone concentrations in patient serum, saliva, and urine samples
- Assisted in validation of new assays, monthly SOP reviews, proficiency testing, training, and equipment troubleshooting and maintenance

Department of Insect Ecology and Evolution, Chapel Hill NC — *Laboratory Assistant*

OCTOBER 2008 - JULY 2010

- Maintained laboratory and field colonies of plants (*Nicotiana tabacum*, tomato, devil's claw) and insects (*Manduca sexta*, parasitic wasps and *Pieris rapae*) for use in academic research
- Participated in weekly laboratory meetings to discuss direction of research experiments

EDUCATION

CERTIFICATIONS

Technologist in Chemistry,
ASCPCM, NOV 2016

CPR and First Aid, MAR 2017

Half Mask Respirator, AUG
2017

LABORATORY SKILLS

Diagnostic Bacteriology

Diagnostic Parasitology

Quality Control and
Assurance

Aseptic Technique

Pipetting

ELISA, RIA, LIA, IFA

PCR and electrophoresis

Liquid Extractions

Clinical Chemistry

LC-MS

TECHNICAL SKILLS

Python Programming

SoftLAB and SoftTQC

Microsoft Office Suite

Github

AWARDS

Dean's List - Spring 2010

The University of North Carolina, Chapel Hill, NC — B.S. Environmental Science

AUGUST 2006 - JULY 2010

Coursework: General Chemistry I and II, Organic Chemistry I and II, Biochemistry, General Biology I and II, Microbiology, Nutrition, Anatomy and Physiology I and II, Cellular and Developmental Biology, Molecular Biology and Genetics

Rutgers University, New Brunswick, NJ — Degree

SEPTEMBER 2007 - MAY 2008

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PROJECTS

Undergraduate Research — *Analysis of Survivorship and Mortality rates of Manduca sexta in a field plot setting of Nicotiana tabacum*

- Used graphical models and linear regressions to analyze lifetime data of over 500 larvae
- Data used in ongoing directional selection study

NSF funded REU supplement recipient - Fall 2010

National Hispanic Recognition Scholar

LANGUAGES

English, Spanish

TECHNICAL SKILLS

Python Programming

SoftLAB and SoftTQC

Microsoft Suite

Github