

Vida Zare Majd

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Education

- Post-Secondary Degree Present
 - Centennial College, Ontario
- Bachelor of Medical Research and Technology May 2013
 - **University of Maryland, Baltimore**
- Biology Sep 2007
 - **University of Maryland Baltimore County**
- Pre- Medicine Sep 2006
 - **Howard Community College**

Work experience

- **Piedmont Atlanta Hospital- Microbiology Department Sep2021- Dec 2021**
 - Epic Beaker Laboratory Information System
 - LabPro software
 - Microsoft office software
 - BacT/ALERT 3D Microbial Identification System
 - MALDI-TOF bacterial Identification System MALDI Biotype CA
 - Responsible for monitoring Inventory and ordering in the Laboratory
 - Conducted tests, Reviewed Results, and Verified results in a timely manner
 - Operated instruments, investigated issues, troubleshooting, and daily maintenance
 - Specimen processing:
 - Receiving specimen and evaluating sample integrity for testing
 - Rejections
 - Plating, incubating, and storing specimens accordingly
 - Item preparation
 - Bench work: Reading plates, identification of pathogens, Sensitivities.
 - Blood bench
 - Urine Bench
 - Wound/Tissues and Miscellaneous Bench
 - Cepheid tests:
 - SARS COVID-19 testing

- Group B streptococcus
 - Streptococcus A
 - Chlamydia trachomatis and Neisseria gonorrhoeae
 - Clostridium difficile
 - The Biofire Panels:
 - Respiratory Pathogen Panel 2.1
 - Blood Culture Identification panel
 - Gastrointestinal Panel
 - Meningitis/ Encephalitis Panel
 - Pneumonia Panel
 - MicroScan Walkaway Plus Microbiology System
 - Setup and interpretation of Antibiotic panels
 - MIC interpretation confirmation by reviewing microdilution panels
 - Evaluating purity plates
 - Maintenance and QC: Daily, weekly and Monthly
 - MicroScan AutoSCAN System:
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- **Capstone Healthcare, Molecular/Genetics Laboratory** **June 2020- July 2021**
 - **General Supervisor**
 - Day-to-day supervision of operation, testing, and reporting.
 - Reviewing Quality Control data and maintenance logs
 - LIMS
 - Microsoft office software
 - Updating Procedures and Policies
 - Monitoring analyses and specimen examinations
 - Performing and monitoring all testing
 - Prepping, executing, and implementing tasks per CAP accreditation checklist
 - Implementing a facility-wide document control system using Media Lab
 - Overseeing completion of Competencies
 - Coordinating, maintaining, and assisting in the completion of Calibrations/certification or Proficiency testing when appropriate
 - Creating quality measures to improve products
 - Executing quality improvement testing and activities
 - Developing quality assurance standards and company processes
 - Creating standardized documentation of errors, issues, and fixes
 - Operating day-to-day tasks, troubleshooting, instrument, and software of:
 - *Quantstudio™ 12k Flex Real-Time PCR System*: Singleplex, Multiples, OpenArray
 - *Quantstudio™ 5 Real-Time PCR System*: Singleplex and multiplex

- *AccuFill™ System*: Used to load OpenArray plate into chips
- *KingFisher™ Flex Purification System*: Magnetic based extraction of Nucleic Acids, 96 deep well
- *Applied Biosystems MagMax Magnetic Particle Processor*: Magnetic based extraction of Nucleic Acids, 96 deep well
- *Open Array Experiment*: Sample preparation, 96 Sample Plate prep, PCR mix prep and 384 Sample plate prep, AccuFill™, OpenArray Immersion Fluid, Sample Tracker System, Sample Load and Run
- Proper handling, aliquoting and extraction of below specimen type:
 - COVID19
 - Respiratory Panel
 - Urinary tract Infection
- DNA/RNA Extraction Kits, MasterMix Kits: OMEGA BioTech extraction kit, IDT
- *Analyzing and Reporting*: COVID-19, Respiratory Panel, Urinary Tract Infection

- **Emory University Hospital, Microbiology**

Sep 2017- Feb 2021

- Instruments, tests, and benches:
 - *Hologic Panther Fusion system*: Performing monthly and daily maintenance and QC. Testing of Chlamydia trachomatis, Neisseria gonorrhoeae, and Trichomonas vaginalis with Real-Time TMA methodology
 - *Gene Xpert Cepheid*: Maintenance and performing RSV-Flu, C-Diff, and EV-CSF PCR testing
 - *DiaSorin Liaison MDX*: Real-time PCR, **Member of Validation, and feasibility team** for:
 - VZV, HSV 1-2, PJP
 - *Bact-Alert 3D microbial identification*: using Plus and Peds media to optimize recovery of bacteria, yeast, and fungi
 - *BD BACTEC™ FX40*: uses blood culture bottles to aid in the diagnosis of bacteremia and fungemia.
 - *PREVI Isola*: maintenance, QC, and troubleshooting
 - *MALDI-TOF Mass Spec* for ID
 - *Vitek 2 System*: Daily/weekly/monthly maintenance and QC, Identification, and Antibiotic susceptibility testing.
 - Blood bench: Reading cultures, organism identification, performing suitable sensitivity testing, troubleshooting, clear communications to providers, and drug consultation.

- Urine Bench: Reading cultures, organism identification, performing suitable sensitivity testing, troubleshooting, clear communications to providers, and drug consultation.
- E-test: reading and performing Weekly/daily QC, setting up requested drugs on patient samples.
- Teaching opportunities: Teaching biochemicals, tests, microorganism identifications, colony identification, and growth to Residents, Fellows, and medical technologist students on their rotations through the Microbiology department.
- Other Responsibilities and skills:
 - **Comparison study** of Alere HIV1/2 Ag/Ab Combo test of Emory University Microbiology Laboratory
 - **Media Lab CE: Admin for Microbiology Department at Emory University**, responsible to create and assign comprehensive tests to employees, **COMPASS**: part of the team to encourage the microbiology department into purchasing COMPASS and to go paperless as much as possible. We are responsible to transfer, create, and schedule all yearly evaluation documents, tasks, and assignments to Compass.
 - **CAP** survey record tracker.
 - Microsoft office software
- **Emory University Hospital Midtown, Core Lab** **Jun 2013, Sep 2017**
 - *Beckman DXC 700-AU chemistry analyzer*:
 - Performed QC, Calibration, Troubleshooting, maintenance, Linearity studies, Monitoring inventory, ensuring result reliability, ensuring sample quality and integrity, and Dilutions.
 - *Sysmex XE-1000*:
 - Utilizes Fluorescent flow cytometry to measure different types of cells in whole blood and body fluid samples. It also monitors immature platelet function for thrombopoietic activity.
 - *ACL Top 700*:
 - **Key Operator**, Performed QC, Calibration, Troubleshooting, maintenance, Linearity studies, comparison studies, ensure result reliability, ensured sample quality and integrity, and Dilutions.
 - *RAPID Point 400/405 System and Gem Premier 4000 Blood Gas Analyzer*
 - Point of care system to test for parameters of Blood Gas, Electrolytes, Metabolites, CO-oximetry, and Neonatal total bilirubin.
- **Clinical Chemistry Rotation at MedStar Montgomery Hospital Jan 2013-Feb 2013**
 - **Passed with excellence**

- *Dimension Vista 500*: Analysis of different chemistry Panels; Renal, Hepatic, Cardiac, Thyroid, Pancreatic, Electrolyte, Therapeutic drugs, Drugs of abuse, Metabolic, Nephropathies, Inflammatory diseases, etc.
 - Performed QC, Calibration, Troubleshooting, maintenance, Linearity studies, monitoring inventory, ensuring result reliability, ensuring sample quality and integrity, and Dilutions.
- *Azeda TliQ System*: Fetal Fibronectin Analyzer
 - Performed QC, Troubleshooting, maintenance, and Calibration, ensured consistency of specimen and the results.
- *Advanced Osmometer 3320*: Determines osmolality of solutions using freezing point depression, Ideal for serum and urine specimens
 - Performed QC, Calibration, Troubleshooting, and maintenance.
- *RAPID Point 400/405 System and Gem Premier 4000 Blood Gas Analyzer*
- *Triage MeterPro*: Point of the care system to test for BNP
 - Performed QC, Troubleshooting, maintenance, and Calibration
- **Hematology Rotation at An Arundel Medical Center** **Feb 2013-Mar 2013**
 - **Passed with excellence**
 - Sysmex XE-2100: utilizes fluorescent flow cytometry to measure different types of cells in whole blood and body fluid samples. It also monitors immature platelet function for thrombopoietic activity.
 - Performed QC, maintenance, calibration, and troubleshooting.
 - Sysmex SO-1000i: Slide making and preparation system
 - Performed QC, maintenance, calibration, and troubleshooting.
 - Cellavision DM 96: Runs stained blood and body fluid smears and performs differential count.
 - Performed QC, maintenance, calibration, and troubleshooting.
 - Sysmex CA-1500 system performs clotting, chromogenic and immunologic tests.
 - Performed QC, maintenance, calibration, and troubleshooting.
 - Iris series:
 - iQ 200 ELITE & AUTION Max AX-4280: Chemistry analysis of urine and body fluid, including microscopic review of the specimen.
 - Performed QC, maintenance, calibration, and troubleshooting.
 - iCHEM: Chemistry analysis of urine samples.
 - iSTAT: point of care system for cardiac markers, coagulation, lactate, and electrolytes
 - Sediment15: monitors erythrocyte sedimentation rate
- **Clinical Microbiology Rotation at St. Agnes Hospital** **Mar 2013- Apr 2013**
 - **Passed with excellence**
 - Learned to Process, Receive, and accept/reject specimens.

- Independently planting specimens and completing different tests required to identify/ distinguish Bacteria/fungus/parasites.
- Learned to correlate results by looking at test results, and patient information.
- Analyzing and troubleshooting problems.
- Performed QC, calibration, and maintenance on Micro scan/BacT/Alert.
- Report results according to policies and procedures.
- Immunological Serology tests
- **Immunohematology Rotation at St. Agnes Hospital** **Apr 2013-May 2013**
 - Provue
- **Worked in Retail Management positions for three years**
 - Responsibilities: in charge of 4-6 people, Training, Scheduling, Conferences, maintaining and submitting records, planning and organizing learning approaches, Sales, and customer service.

Related course

Immunohematology, Immunology, Hematology, Pathogenic & Clinical Microbiology, Parasitology/Mycology and Virology, Clinical Chemistry, Cell and Molecular biology, Histology, Anatomy & Physiology, Body fluid and Urinalysis, Laboratory management and Quality Assurance.

Presentations:

- University of Maryland Open House Speaker Apr 2013
- Thalassemia Presentation at An Arundel Medical Center Feb 2013
- University of Maryland High School Open House Mar 2012
- Northeast High School Human Performance Signature Celebration: Representing University of Maryland Medical and Research Technology May 2012
- University of Emory: Urine culture Lecture Oct 2019

Certifications:

ASCP Certification	May, 2013
Phlebotomy	Spring, 2011

References:

Upon Request