

Tineace Taylor, M.S

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(713) 446-3453

EDUCATION

Texas Southern University, Houston, TX

2006-2008

M.S., Biology

Texas Southern University, Houston, TX

1992-1996

B.S., Biology

Houston ISD Alternative Certification Intern

2020-2021

WORK EXPERIENCE

Houston Independent School District I

08/2020-6/2021

Thomas Middle School

Houston, Texas

Science Teacher

- Provide high-quality curriculum and instruction in a supportive, effective and safe learning environment that enables the participating students to meet the state's student academic achievement standards.
- Provide research-based instructional strategies that will make learning interesting and fun.
- Hold parent teacher conferences during which this compact will be discussed as it relates to the individual student achievement.
- Promote social, emotional, cognitive and physical development of each scholar.
- Maintain the campus classroom management plan, taking precautions to protect students, equipment, materials, and facilities.
- Adapt lessons for advanced students, as well as students with learning disabilities.
- Provide parents with frequent reports on the progress of their student.
- Prepare students for the STAAR testing.

Houston Community College

2019-present

Adjunct Instructor Biology 2120 Microbiology Laboratory

- Laboratory sessions emphasize learning standard microbiological lab techniques.
- Will demonstrate methods and assist reinforcement of lecture material.
- Lecture-type presentation may be included during lab sessions to clarify or detail concepts.
- Establish an understanding of the major historical events in microbiology and their impact on medical science.
- Teach and exhibit how to use the compound microscope. Demonstrate proficiency and safe practices in the use of laboratory equipment and basic laboratory techniques.
- Describe and prepare widely used stains and wet mounts, and discuss their significance in identification of microorganisms.
- Perform basic microbiology procedures using aseptic techniques for transfer, isolation and observation of commonly encountered, clinically significant bacteria.
- Use different types of bacteria culture media to grow, isolate, and identify

microorganisms.

- Perform basic bacterial identification procedures using biochemical tests. Demonstrate basic identification protocols based on microscopic morphology of some common fungi and parasites.
- Apply principles of the scientific method to problems in biology in the collection, recording, quantitative measurement, analysis and reporting of scientific data.

Harris County Institute of Forensic Sciences, Houston, TX
DNA Analyst III Serologist/ Operations Technicians

2019-2020

- Training to conduct scientific laboratory examinations and analysis of specimens submitted by forensic pathologists and law enforcement officers.
- Review cases and provide testimony as an expert witness in legal proceedings involving forensic DNA evidence.
- Ensure that the laboratory remains compliant with FBI Quality Assurance Standards and ANAB and ISO:17025 accreditation requirements.
- Maintain professional certification by attending continuing education/training courses, workshops, seminars, conferences, and professional meetings.
- Follow all protocols, including Harris County personnel regulations, Medical Examiner's policies, Standard Operating procedures, safety and QA/QC procedures.

Alliance Health Sciences/American Pathology Partners
Laboratory Supervisor of Molecular/ Accessioning Departments

5/14-8/2019

- Wrote and updated policies and procedures for all test performed within Alliance Health Sciences in accordance with CAP and CLIA guidelines.
- Sciences in accordance with CAP and CLIA guidelines.
- Responsible for getting the Molecular Section set up, and helping to get CAP certified with no Deficiencies.
- Operate Panther testing system using Aptima test kits for CTNG, Trichomonas, HPV, and HPV Genotyping.
- Responsible for Panther Correlations, Panther Trichomonas Validations on Urine
- Responsible for Alternative SP GT HPV testing.
- Prepare reagents, controls, lot to lot checks, and troubleshoots any issues.
- Monitor all QC of Panther and maintains adequate performance operations.
- Perform lab contamination monitoring.
- Operate BioFire testing.
- Monitor assigned temperature and humidity requirements.
- Ensure that a safe working environment is maintained and that safe work practices are employed.
- Responsible for staffing/scheduling.
- Writes performance evaluations for assigned employees.
- Comply with all safety policies involving biohazard and/or chemically hazardous material. Create and/or revise SOP's
- Special projects in cytology and histology areas as assigned by manager.
- Ensure daily activities of each lab area when manager is not available.
- Responsible for training of new employees.
- Ordering of all lab supplies of each section in the lab.
- Responsible for annual employee reviews.
- Responsible for releasing patient reports.

**Quest Diagnostics
Medical Technologist II**

6/09-5/14

- Responsible for analyzing specimens using approved testing procedures.
- Follow the laboratory's procedures for specimen handling and processing, test analysis, reporting and maintaining records of patient test results.
- Review and release test results.
- Adhere to the laboratory's quality control policies, document all quality control activities,
- Instrument and procedural calibrations and all maintenance performed.
- Follow the laboratory's established policies and procedures whenever test systems are not within the laboratory's established acceptable levels of performance.
- Identify problems that may adversely affect test performance or reporting of test results, correct the problems encountered or immediately notify the senior technologist or supervisor.
- Maintain general appearance of the department.
- Make sure reagents/test kits have received dates, expiration dates, and if applicable opened dates.
- Review/train on new procedures.
- Knowledge of Bactec, Microscan, Vitek, GenProbe, BD Affirm, HPV, HCV, HIV, Strep A, CT/NG SDA.

**Texas Southern University
Biology Instructor/Researcher**

9/07-5/09

- Responsible for teaching students basic principles of general Biology I and II, Biology for non- Science Majors, laboratory procedures and concepts, making exams, grading papers, and giving various assignments to the students.
- Laboratory procedures involve gram staining, PCR, preparing media, buffers, etc. Research/Thesis done on the following topic Pyrosequencing analysis of the Trichodiene synthase 5 (Tri 5) gene from the members of the Genome Stachybotrys.
- Knowledge of using BLAST, operating Pyrosequencer etc.

**Harris County Medical Examiners Office
DNA Technician**

5/06/9/07

- Receive and release evidence from law enforcement agencies
- Logs evidence into the laboratory evidence-tracking database and distributes evidence to the laboratory sections. Able to use LIMS software.
- Responsible for screening evidence for the presence of bodily fluids such as blood, semen, saliva.
- Positive samples are identified by serological methods and then are retained for DNA testing.
- Responsible for identification by using the light microscope and scanning electron microscope
- Responsible for screening sexual assault kits, providing documentation at each step of handling and analyzing evidence, also provide written report on all findings.
- Responsible for training new employees in evidence screening/serology.
- If called by the courts the analyst must be able to testify on any casework done by them.
- Responsible for reading journals and staying current on information to be documented each month.

- Provide monthly statistics on work performed and tests done.
- **Participate in proficiency testing annually for the required tests.**

City of Houston Health and Human Services

01/04-05/06

Microbiologist II

- Check in and process specimens for serological testing.
- Assure that test results and controls are in acceptable standards.
- Perform tests for the diagnosis and /or immune status of viruses.
- Enter patient demographics and test results.
- Distribute required reports.
- Testing includes Syphilis, West Nile Virus, and St Louis Encephalitis
- Rubella, Varicella, Measles, Mumps testing for immunity, etc. ELISA testing.
- **Oraquick- HIV testing experience.**
- **Participate in proficiency testing annually for the required tests.**

Baylor College of Medicine-Human Genome Sequencing Center- Houston, Texas 2/01-6/05

Supervisor/ Loading Quality Control Coordinator

- Assist team members using automated sequencers.
- Organize daily routines and scheduling
- Responsible for loading DNA into the automated sequencers.
- Assess the quality of the information obtained by the ABI Prism 3700 DNA Sequencers, and provide weekly reports.
- Trouble Shooting
- Monitor array views to detect machine problems.

Baylor College of Medicine- Human Genome Sequencing Center-Houston, Texas 9/98-99

Loader

- Responsible for loading 373 ABI Prism Sequencing Instruments daily.
- Responsible for preparing the daily run by pouring gel plates daily.
- Responsible for getting the DNA samples prepped and loaded into the sequencing instruments.
- Analyze data from the 373 ABI Prism instruments.

PROFESSIONAL MEMBERSHIPS, CERTIFICATIONS

BETA KAPPA CHI-National Scientific Honor Society Organization (Member)

AWARDS & GRANTS

- Volunteer- Saving Our Kids Program/Harris County Medical Examiners Office 2005
- Employee of the Month Award/Human Genome Sequencing Center 2003
- Exemplary Academic Achievement Award 1996

PUBLICATIONS :Mark T. Ross, Darren V. Grafham, David R. Bentley[...] "The DNA sequence of the human X chromosome", Nature 434, 325-337 (17 March 2005).

