**Melanie C. Clare**

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**Bronx, New York 10454**

**Cell Phone: (917) 446-1414**

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**Summary of Qualifications:**

* 2016 graduation candidate for Associates degree in Dental Hygiene.
* Possesses a Bachelors degree in Forensic Science, specializing in Molecular Biology, nine years of real life work experience as a Laboratory Instructor and DNA researcher, a College Laboratory Technician, an Assistant Coordinator assisting in the Management of the Daily Administration, preparing Statistical Analysis for internal and external reports, coordination of Events and Research Training.
* Background in the Sciences and Natural Science methodology with extensive coursework in Instrumental Analysis, Quantitative Analysis, Forensic Molecular Biology in addition to Biology, Physics, Chemistry, Biochemistry and Physical Chemistry, Microbiology

Computer:

Proficient with DentiMax, Microsoft Office Suite (Word, Excel and Power Point) and Agilent’s Chemstation Data Handling Software.

Clinical:

Air Polishing, Arestin Therapy Placement and evaluation, Hand and Ultrasonic Scaling, Management of Pediatric Patients, Oral Cancer Screening (EOIO), Pain Management using Local Anesthesia Infiltration/Nitrous Oxide & Oxygen Sedation, Oraqix and topical gel, Placement of Sealants: Rubber Dam & Cotton Roll Isolation, Radiographs: Traditional and digital and Scaling and Root Planing (SRP).

Laboratory:

Basic laboratory skills such as pippetting, wastes disposal and safety procedures. Knowledgeable in the use of the 2100 Agilent Bioanalyzer and the 9700 Thermal cycler. Very familiar with the use of the 310 Genetic analyzer, PCR, GC, TLC, UV/VIS and IR instruments.

**Education:**

Dental Hygienist \*New York City College of Technology, Brooklyn, New York – Graduation candidate for 2016

Bachelor of Science degree in Forensic Science \* John Jay College of Criminal Justice, (CUNY), New York, New York – 2007

Major: Molecular Biology

**Research**:

Short Tandem Repeat (STR) DNA analysis of traditional and “mini” STR primers using 2100 Agilent Bioanalyzer.

The effectiveness of two different genomic-DNA extraction protocols for extracting DNA from *Zonocerus variegated* grasshopper for genomic studies.

**Honors:**

NYCCT Dean’s list 2013 - 2016

CSTEP (Collegiate Science & Technology Entry Program) Research Scholarship Award - 2007

**Career Experience:**

**John Jay College of Criminal Justice, New York, New York August 2007 – present**

Adjunct Instructor – Science Department

* Responsible for illustrating the basic principles of atomic and molecular physical science, including concepts of measurement and data collection, the scientific method, the structure of matter and living organisms, with emphasis on the relationships between science and society.

**John Jay College of Criminal Justice, New York, New York August 2005 – 2008**

College Laboratory Technician (Physics) – Science Department

* Was Responsible for maintenance and ordering of equipments, inventory update and the overall operation of the laboratory.

**John Jay College of Criminal Justice, New York, New York December 2005 – 2007**

Assistant Coordinator Collegiate Science & Technology Entry Program/ Science Department

* Was responsible for assisting in the Management of Daily Administration, performing Statistical Analysis for internal and external reports.
* Aid in the recruitment and advisement of underrepresented students into the science and

**Yonkers Police Department September 2004 – 2005**

Crime Laboratory – Internship

* Observed operation of a crime lab and obtained hands-on experience in examination an analysis of controlled substances, hair, latent print development, instrumental analysis and blood analysis.

**References:** Will be furnished upon request.