**STEPHANIE E. DAVIS, M.S**

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**410 805 4154**

**EDUCATION**

**NEW YORK UNIVERSITY, BASIC MEDICAL SCIENCE DIVISION**. N.Y.C

***Doctorate coursework***: Cell biology, Pathology, Research Methods: Surgery, Drug Delivery

**NEW YORK UNIVERSITY, GRADUATE SCHOOL OF ARTS AND SCIENCE .**

***M.S. – BIOLOGY* – Cell & Structural biology , Pathology , Neurobiology**

**Thesis:** **The Effect of Nerve Cell Environment and on Transmitter Interactions. Cell culture,**

IHC demonstrated the impact of signal transduction and NGF on Substance P neuron development.

**CITY UNIVERSITY OF N.Y. –Coursework –Histology, Physiology, embryology**

***B.S.- BIOLOGY***

**C.W POST-LONG ISLAND UNIVERSITY- Brookville NY**

***B.A CHEMISTRY* – Analytical Chemistry& Med-chem Methods –HPLC, NMR, IR**

**QUALIFICATIONS**

**.  *STEM Educator-***

* ***-STEM training based on Columbia U. Foundation curriculum –Covered helping students explore science & Math, stressed using supplemental materials in the classroom,***

***study skills , test preparation, technology skills in the workplace , graphing***

* ***Passed NYS certification Exam , Science Tutoring experience, MCAT PREP***
* ***Classroom management to help students with different learning styles , some Special Ed training for mainstreaming***

***Life Science professor, Biology/Science Secondary Teacher***

* ***Courses Taught: Gen Biology, Anatomy , Microbiology , Physiology ,Labs, Found Course,***

***Pre- Calc Math***

* ***Author: E-book-A Caregivers Guide to Type 2 Diabetes ,2 Supplement Patents***
* ***Science Skills :***
* **Biotechnology – Mammalian Stem Cell culture expertise, lab management, Surgery**
* ***Cultured bacteria for preclinical evaluation of anti-microbials***
* **Analytical Chemistry & Med -Chem*- Characterization anti-cancer compounds & HTS***

**PROFESSIONAL SCIENCE EXPERIENCE**

***Science Prof-BCCC-Gear Up Program-Taught Labs on Macromolecules Structure***

***Summer 2013, 2014***

***Science Educator –CCBC -Math English 2014 Present-***

***Biology Professor*-NYIT Brookville-** Subjects**:, Gross Anatomy, Histology, General Biology 1&2**

**Physiology and Microbiology Labs.**

Also taught Found Science Course that included lab activities in biology, chem., 2011- 2013

Nassau Community College- Adjunct –Taught Gen biology 2008-

**BRIARCLIFF COLLEGE-** BETHPAGE N.Y. 2007- 2009

**Professor Environmental Science**- Bethpage N.Y.

Topics covered : Environmental chemistry, biology civilization’s impact on the environment

**Adjunct Professor**- NCC- General Biology, General Bio Labs. Topics-Biology 2008

of vertebrates , cell characteristics, ,cell function, developmental biology, DNA ,Histology

**Science Sub-ROOSEVELT SCHOOL DISTRICT –**ROOSEVELT N.Y. **2003-07**

Taught Living Environment, Biology Chemistry, various Math subjects and study skills, K-12

**SCIENCE FACILITATOR, UPWARD BOUND -QUEENS COLLEGE** N.Y.C. 2002-04

Assisted students with science study skills, taught Biology, Living Environment t

**NATURE CONSERVANCY-**COLDSPRING HARBOR, NY2002-2004

**Voluntary research worker.**

Compiled data on invasive plants to determine impact in N.Y.

**DUNHILL STAFFING –**MASSEPEQUA, N.Y2003

**Contract QC Chemist**

Utilized TOC 3000 Shimadzu Analyzer to measure total organic carbon levels

Responsible for monitoring quality of water, **CGMP** and **OSHA** skills, IR, UV methods

**PROPPER INC –** L.I.C. N.Y. 1994-1998

**Lab Manager –Prepared protocols to increase usage of test Kits in US & Europe**

Supervised lab i.e. trained staff, prepared soy tripticase media, monitored equipment

Tested sterilizers (steam, dry heat, ethylene oxide) with indicator strips containing hemophilic bacteria,

**API BIOMERIEUX (R & D**) L.I. N.Y. 1993

**Research Lab Technician**

Participated in **Drug development projects** on antimicrobials. Measured Zone of Inhibition

Inoculated and read Lyophilized MIC trays of new antibiotics (Ctx, Enx, Augmentin).

Performed stability tests, cultured bacteria on slants, blood agar plates

MT. SINAI HOSPITA**L - 1990-1992**

**Contract Research Coordinator -** Neuronal cell culture. Fetal Hippocampal  **murine** .Managed Lab

Ordered supplies for cocaine studies **. took** care of mice

**HONORARY AND PROFESSIONAL AFFILIATIONS**

American Chemical Society, Chi Beta Biological Honor Society

**LANGUAGE SKILLS**

**Knowledge of German ,Latin and familiar with reading Spanish**