

Robert Frost

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EDUCATION

NEW YORK UNIVERSITY

School of Medicine

PhD in Genetics

Dissertation Thesis:

New York NY

2003-2008

- Determined specific hormone regulates a key process in plant tissue
- Discovered mechanism where hormone regulation is ended by polymorphism in key gene
 - Results generated from thesis work published in Academic Journal A and Academic Journal B
 - Gained public speaking experience by presenting work at national meetings—National Genetics Conference Los Angeles, CA. and San Diego, CA
 - Poster presentations at ABCDEF and NYU Genetics Research Day developed my networking skills and fostered collaborations with other researchers
 - Awarded Genentech Research Fellowship for outstanding predoctoral research proposal
- Secured contract with Biotechnology Company, ABC Biotech, to obtain needed plant tissue in exchange for intellectual property rights generated by thesis research
- Co-authored government grant to develop diagnostic genotype specific diagnostic test for plant tissue based on dissertation work

NEW YORK UNIVERSITY

BS in Biology (*cum laude*)

New York NY

1995-1999

- Departmental Honors in biology for high academic rank (top 5%)
- Thesis work involved purification and biochemical characterization of a polypeptide from spider venom

LEADERSHIP ROLES AND ACTIVITIES

NYU SCHOOL OF MEDICINE AND PUBLIC HEALTH

New York NY

2003-2008

Mentorship

- Developed research project with junior graduate student involving gene copy number variants associated with hormone deficiency syndrome
- Supervised and developed undergraduate honors dissertation project investigating the effect of selective hormone receptor modulators on nutrient biosynthesis in mouse hepatocytes
- Supervised research fellow's research project investigating plant metabolism genes

Teaching

- Prepared lectures, assignments, and examinations for medical students and conducted review sessions for Introduction to Advanced Genetics; received highest student ratings
- Developed interdisciplinary Journal Club for students to interact with experts in various medical fields.

EXPERIENCE

NYU SCHOOL OF MEDICINE AND PUBLIC HEALTH

New York NY

Postdoctoral Fellow

2008-present

- Grant Co-investigator awarded from the NYU Genetics Research Institute to investigate unknown gene regions in select plant species
- Currently developing method establishing unique growth model system by reprogramming cells isolated from cancerous plants into plant stem cells

NYU GENETICS RESEARCH CENTER

New York NY

Research Technician and Laboratory Manager

2004-2005

- Identified protein essential for plant development—results published in **Academic Journal**
- Managed ongoing organization of the laboratory, including the administrative responsibilities and undergraduate training and supervision
- Recipient of Genetic Diseases Laboratory Fellows Program

BIOLOGY RESEARCH COMPANY

Rochester NY

Senior Biologist

2001-2003

- Developed method to quantify levels of common biological compounds in drug substances
- Quantification method resulted in significant gain in efficiency (47%) and reduction in analysis turnaround time

PERSONAL

Interests Competitive Runner—most recently raced New York Marathon • Classic Fiction • Amateur Horticulturist

Volunteer Developed Science Fair projects with children from disadvantaged backgrounds (2nd grade team earned first place last year) • Assisted recent immigrants secure employment and access health screenings