

OBJECTIVES

- to transition successfully into a finance career while maintaining a strong connection to the scientific community
- to excel as a financial expert with in depth knowledge of the economics of the biotech/pharma sectors
- to grow my knowledge of exciting cutting edge science, especially in research fields with great potential to heal ailments and improve lives
- to utilize my passion and expertise for scientific research and my skills for analytical thinking in conjunction with my strengths for communication, networking, presentation and project management

SKILLS/BACKGROUND

Research in a variety of biomedical settings, expertise and passion for cutting edge science

- *In vitro* fertilization (IVF), infertility, fertility preservation
- Neurodegeneration, Alzheimer's and Huntingtons's
- Asthma, airway physiology, complex disorders with both genetic and environmental causes
- "-omics", genomics, proteomics and interactomics

Communication skills, writing, presentation and interpersonal

- >20 science themed news articles on a major science journal's news web-page
- Peer reviewed publications, posters and oral presentations at major scientific meetings - including award winners
- Design of presentations to produce a brand for research/medical group
- Writing, editing and submission of NIH grants and Institutional Review Board (IRB) proposals

Project Management

- Management of numerous research projects in concert, through all levels from planning to publication/presentation
- Management of research budgets, equipment/supplies inventory and ordering with strict Quality Assurance/Quality Control
- Collaborated with numerous vendors, biotechnology companies and academic researchers

WORK HISTORY

Science Reporter : *BioTechniques, The International Journal of Life Science Methods*

New York, NY, July 2011-November 2011

- Writing and editing news and feature articles for a major international science journal
- Conducting interviews with leading scientists, business leaders and policy makers
- Carrying stories from creative inception to online publishing including analysis of readership results

Clinical Research Coordinator : Reproductive Medicine Associates of New York

New York, NY, July 2009-August 2011

- Performing research tasks in conjunction with work as a member of a major IVF laboratory, acquiring invaluable expertise in amazing and highly controversial field of artificial reproductive technology
- Investigating various aspects including molecular dynamics, lab QA/QC, equipment and reagent comparison, patient attitudes and psychology, demographics, practice management, economic factors, and more

Biostatistician Consultant : PATH Foundation

New York, NY, October 2010-March 2010

- Executing biostatistical analysis of metabolic, endocrine and neurologic factors for Alzheimer's Disease utilizing logistical regression, ROC curve analysis and other advanced statistical tests

Grant Writer/Editor : Columbia University Proteomics Core Facility

New York, NY, March-May 2009

- Researching, writing and editing for submission of NIH grant proposals on various topics including Schizophrenia, Autism, small molecule screens for research utilizing high-throughput proteomic technologies

Research Assistant and Graduate Student : Mount Sinai School of Medicine

New York, NY, 2006-2008

- Applied behavioral and molecular techniques to investigate Huntington's Disease
- Screened natural compound candidates for future Alzheimer's Disease treatments

Teaching Assistant, Research Assistant and Graduate Student : University of Dayton

Dayton, OH, 2004-2006

- Developed a proteomic approach to investigate molecular aspects of lung physiology and asthma
- Taught several general/introductory biology courses to undergraduate students

EDUCATION

- Mount Sinai School of Medicine, New York, NY, Graduate Student, Mechanisms of Disease and Therapy, 2006-2008
- University of Dayton, Dayton, OH, Masters and Bachelors of Science, Biology, 2000-2006

PROFESSIONAL MEMBERSHIP

- New York Metropolitan Embryology Society, 2010
- Pacific Coast Reproductive Society, 2010
- American Society of Reproductive Medicine, 2009-2010
- New York Academy of Science, 2006-2008
- Ohio Academy of Science, 2005
- Ohio Physiological Society, 2004-2005

SELECTED PEER REVIEWED PUBLICATIONS & AWARDS:

- *Nitrogen vapor shipment of vitrified oocyte, time for caution.* **Fertility and Sterility** 2011.
- *Preimplantation genetic testing for single gene defects: embryo diagnosis rate varies significantly among genetic testing laboratories.* Oral Presentation; **2011 American Society of Reproductive Medicine**
- *Novel animal protein-free sperm cryopreservation media results in post-thaw survival equivalent to standard freezing media.* Oral Presentation; **2011 American Society of Reproductive Medicine**
- *Trends in age in non medical oocyte cryopreservation.* Poster Presentation; **2011 American Society of Reproductive Medicine**
- *Influence of zona pellucida area expansion stiffness on the passive response of oocytes to osmotic loading.* Oral Presentation; **2011 Summer Bioengineering Conference**
- *Acid Ceramidase supplementation prior to human sperm cryopreservation improves post-thaw motility.* Poster presentation; **2011 Pacific Coast Reproductive Society**
- *You can't always get what you want. Clinical outcomes in PGD gender variety.* Poster presentation; **2010 American Society for Reproductive Medicine**
- *Does surgical management of missed abortion provide a more rapid return to fertility treatment than medical management in a fertility practice?* Award winning Oral Presentation; **2010 American Society for Reproductive Medicine**
- *Quality Control of Incubator CO₂: Old Fashion Fyrite vs New Fangelled Electronic Analyzer.* Award winning Poster Presentation; **2010 Pacific Coast Reproductive Society**
- *Altered regulation of aquaporin gene expression in allergen and IL-13-induced mouse models of asthma.* **Cytokine** 2009
- *Analysis of Lung Protein Expression in AQP5 Knockout and IL-13 Treated Asthmatic Mouse Models,* **Masters Thesis** 2006
- *Global Proteomic Analysis of Lung Proteins from Aquaporin 5 Knockout by 2D SDS-PAGE,* Oral presentation; **2006 Ohio Academy of Science**