Richard H. Luc

14 Williams St, Quincy, MA 02171 | 207.299.0545 | richard.h.luc@gmail.com

OBJECTIVES

To obtain employment with a company/organization that fosters a positive and welcoming atmosphere to grow, learn, and evolve, and to implement both old and new skillsets, techniques, and technologies for the betterment of the company/organization, with a particular focus on business management and/or biomedical sciences.

To matriculate into a medical education program to further strengthen my skills/studies in the health professions field, specifically clinical medicine & biomedical research.

EDUCATION

2014–2017 **University of Maine** (Orono, ME)
- **Master of Business Administration (M.B.A.) Degree**
  - GPA: 3.8 on a 4.0 scale

2012–2014 **University of Maine** (Orono, ME)
- **Master of Science (M. Sc.) Degree in Microbiology**
  - GPA: 3.9 on a 4.0 scale

2008–2012 **University of Maine** (Orono, ME)
- **Bachelor of Science (B. Sc.) Degree in Biology**
  - GPA of 3.8 on a 4.0 scale
- **Bachelor of Science (B. Sc.) Degree in Microbiology**
  - GPA of 3.8 on a 4.0 scale
- Minor in Political Science
- Honors Course of Study (Awarded Highest Honors)
- Latin Honors: *Summa Cum Laude*

MANAGEMENT/EMPLOYMENT EXPERIENCE

2023-Present **Brand & Associates, Primerica Financial Services Investment Inc.**
Quincy, MA 02171
- Position: Financial Advisor Professional – Educating individuals and families on company products and services including life insurance, investment opportunities, and mortgages

2022-2023 **Dyer Company LLC DBA Yoshi Japanese Restaurant**
373 Wilson Street, Suite #2
Brewer, ME 04412
- Position: Manager – Assisted new owner/managers with business transition

2009-2022 **V & L, Incorporated DBA Yoshi Japanese Restaurant**
373 Wilson Street, Suite #2
Brewer, ME 04412

- Positions: Vice President & Co-Manager
  - Overseeing daily operations of business, inc. Front-of-House and Back Office; Providing patrons with friendly customer service; Ordering supplies/materials; Training new employees; Scheduling and staffing; Running staff meetings; Hosting (e.g. answering phone calls, taking to-go orders, seating patrons); Serving/waiting tables
  - Proficient in Point-of-Sale systems, inc. Digital Dining/HDSNE and Clover Systems; Proficient in Payment Processing inc. Heartland

2014-2016 **Department of Molecular & Biomedical Sciences**
The University of Maine
5735 Hitchner Hall
Orono, ME 04469

- Position: Scientific Research Specialist
  - Mentored high school students, undergraduates, and graduate students; Oversaw daily operations of the research laboratory; Scheduled, coordinated, and managed laboratory meetings; Experience in planning for local and regional conferences/symposiums; Performed various independent research projects

CERTIFICATIONS & DISTINCTIONS

2023-Present	Medical Certified Professional Coder (CPC) and Biller (CPB) – IN PROGRESS
2023-Present	Massachusetts Real Estate Agent – Salesperson License – IN PROGRESS
2023-Present	FINRA Securities Industry Essentials (SIE) Credentials – IN PROGRESS
2023-Present	FINRA Series 6/63 Securities License – IN PROGRESS
2023-Present	Massachusetts Life & Health Insurance License – IN PROGRESS
2022-Present	Certified Personal Trainer, International Sports Sciences Association (ISSA)
2017-Present	Ordained Minister, American Marriage Ministries (AMA)
2015-Present	ServSafe Food Protection Manager Certification
2008, 2016	Delegate, State of Maine Democratic Party Convention

PROFICIENCIES

- Multilingual: English (Fluent); Chinese (Fluent); Spanish (Intermediate)
- Microsoft Office inc. Word, Excel, PowerPoint; and Google Suite, inc. Gmail, Hangouts, Drive
- Computer Proficiency, Web Hosting, and Design
- Leadership and Management Experience; Communication and Organizational Skills
- Time Management and Multitasking; Strong Work Ethic and Self-Motivation
- Teaching, Mentoring, and Research Skillsets

THESES, PUBLICATIONS & ACKNOWLEDGEMENTS

- **Luc, Richard Harry**, "Toll-Like Receptor 9 and Speckle-Type POZ Protein Play Protective Roles in Antiviral Innate Immunity Against Influenza Infection in Zebrafish" (2014). Electronic Theses and Dissertations. 2227.
- **Luc, Richard H.**, "The Role of Caveolin in the Toll-Like Receptor (TLR) Signaling Pathway" (2012). Honors College. 32.
- Shim, J., Weatherly, L. M., **Luc, R. H.**, Dorman, M. T., Neilson, A., Ng, R., Kim, C. H., Millard, P. J., and Gosse, J. A. (2016) Triclosan is a mitochondrial uncoupler in live zebrafish. J. Appl. Toxicol., 36: 1662–1667. doi: 10.1002/jat.3311.
- Gabor KA, Stevens CR, Pietraszewski MJ, Gould TJ, Shim J, Yoder JA, et al. (2013) Super Resolution Microscopy Reveals that Caveolin-1 Is Required for Spatial Organization of CRFB1 and Subsequent Antiviral Signaling in Zebrafish. PLoS ONE 8(7): e68759. doi.org/10.1371/journal.pone.0068759
- Gabor KA, Kim D, Kim CH, Hess ST (2015) Nanoscale Imaging of Caveolin-1 Membrane Domains In Vivo. PLoS ONE 10(2): e0117225. doi.org/10.1371/journal.pone.0117225
- Peterman EM, Sullivan C, Goody MF, Rodriguez-Nunez I, Yoder JA, Kim CH. 2015. Neutralization of mitochondrial superoxide by superoxide dismutase 2 promotes bacterial clearance and regulates phagocyte numbers in zebrafish. Infect Immun 83:430 –440. doi:10.1128/IAI.02245-14.
- Velez, Alejandro, "Investigation of the Mechanism Underlying Arsenic Disruption of Mast Cell Degranulation" (2013). Honors College. 97.

TEACHING EXPERIENCE

2015	**Molecular Mechanisms Human Disease: UMaine/Honors College** (Mount Desert Island Biological Laboratory)
2014	**Molecular Mechanisms Human Disease: UVM, DMS, UNE** (Mount Desert Island Biological Laboratory)
2012	**Infectious Disease Laboratory, Department of Molecular & Biomedical Sciences (MBS)** (University of Maine) • Teaching Assistant
2011	**General Microbiology Laboratory, Department of Molecular & Biomedical Sciences (MBS)** (University of Maine) • Teaching Assistant
2011	**Histology Laboratory, School of Biology & Ecology (SBE)** (University of Maine) • Teaching Assistant
2010-2012	**Peer Led Team Learning (PLTL), Department of Chemistry** (University of Maine) • PLTL Leader: lead general chemistry recitations; facilitate/foster student group discussions; assist with problem-solving and real-world applications

INDUCTION INTO HONOR SOCIETIES

2015	**Phi Kappa Phi** (National Honor Society; Founded at The University of Maine)
2012	**Order of Omega, Zeta Kappa Chapter** (Greek Honor Society)
2010	**Phi Beta Kappa** (National Honor Society)
2010	**Pi Sigma Alpha** (National Political Science Honor Society)
2009	**National Society of Collegiate Scholars** (NSCS)

RESEARCH SKILLSETS

- Proficient in each of the following assays/techniques:
  - RNA Extractions & cDNA Synthesis
  - Pathogen Burden/Quantification inc. Viral Burden (Tissue Culture Infectious Disease 50 ($TCID_{50}$)) & Bacterial Burden
  - Basic Cell Culture Techniques (Cell Maintenance and Assays)
  - Molecular Biology (Cloning, Polymerase Chain Reaction (PCR))
  - Biochemistry (Protein Extraction, Co-Immunoprecipitation)
  - Immunology (Western Blot)
  - Bacterial Transformations
  - Quantitative PCR (qPCR)
  - Confocal Microscopy & Fluorescence Photoactivation Localization Microscopy (FPALM)
  - Transfection by Electroporation and by Lipofection
  - Dual-Luciferase Reporter Assay
  - Cell Imaging
  - Studying & Utilizing Zebrafish as a Model Organism for Cystic Fibrosis (CF)
  - Morpholino Oligonucleotide Gene Knockdown and siRNA Gene Silencing
  - Studying & Utilizing Zebrafish as Model Organisms for Human Infectious Diseases
  - Viral Infections & Amplification inc. Human Influenza Virus & Snakehead Rhabdovirus
  - Bacterial Infections inc. *Pseudomonas aeruginosa* & *Edwardsiella Tarda*
  - Flow Cytometry
  - Exposure of Environmental Toxicants (Arsenic)

GRADUATE ACHIEVEMENTS

2014	**41st Maine Biological and Medical Sciences Symposium** (Mount Desert Island Biological Laboratory)
2013	**40th Maine Biological and Medical Sciences Symposium** (Mount Desert Island Biological Laboratory)
2013	**Graduate Academic Research Exposition** (University of Maine)
2013	**North Atlantic Zebrafish Research Symposium** (University of Maine)
2013	**1st Place, Natural Sciences Poster Session, Graduate Academic Research Exposition** (University of Maine)
2013	**Outstanding Fraternity Advisor of the Year Award** (University of Maine)
2013	**Cooperative Extension: 4-H Volunteer Certification** (University of Maine)
2013	**Graduate Dean's Recognition Award for Extraordinary Services to Graduate Studies** (University of Maine)
2012	**Applied Bioinformatics Course** (Mount Desert Island Biological Laboratory)

GRADUATE ACTIVITIES (University of Maine, Orono, ME)

2012-2017	**Advisor, Iota Nu Kappa Multicultural Fraternity, Incorporated**
2012-2017	**Advisor, Order of Omega, Zeta Kappa Chapter**
2012-2014	**Graduate Advisor, Student Heritage Alliance Council (SHAC)**
2013	**President, Graduate Student Government (GSG)**
2012-2013	**Student Senator, Graduate Student Government (GSG)**