

Name

Department of Neurology
University of Pennsylvania School of Medicine
464 Stemmler Hall
36th and Hamilton Walk
Philadelphia, PA 19104

Address

Home phone:
Cell phone:
Email:

SUMMARY

- Experienced and effective writer and public speaker with ability to present complex scientific material in a clear and succinct manner
- Proven abilities to critically evaluate data, to quickly become proficient in new subjects and techniques, to identify key concepts, and to troubleshoot problems
- Work productively both independently and in teams, multi-task, set and meet deadlines, and supervise others

EDUCATION

University of Pennsylvania Medical School, Philadelphia, PA

PhD in Cell and Molecular Biology, May 2009

Advisor: Erfei Bi, PhD

Thesis: "Role of the F-BAR protein Hof1 in endocytosis and cytokinesis"

Ursinus College, Collegeville, PA

BS in Biology, Minors in Chemistry and German, Dean's List, GPA 3.42, May 2000

Advisor: Robert Dawley, PhD

Departmental Honors Research: "Tissue-specific distribution of ploidy in the unisexual minnow *Phoxinus eos-neogaeus*"

EXPERIENCE

Postdoctoral Fellow (Institutional NRSA Fellow)

November 2009-present

University of Pennsylvania Medical School, Philadelphia, PA

Advisor: David Raizen, MD, PhD

- Plan and manage multiple research projects studying the genetic basis of sensory gating during sleep
- Attend weekly meetings with other basic and clinical NRSA training grant fellows for help with writing grants and papers. Give and receive critique on works in progress
- Regularly present research data and pertinent background information gathered from published literature at weekly lab meetings and joint lab meetings
- Participate in weekly journal club discussions to critique and analyze relevant scientific journal articles
- Interact with visiting medical researchers at scientific seminars and symposia

PhD Candidate, Cell and Molecular Biology

August 2003-May 2009

University of Pennsylvania Medical School, Philadelphia, PA

- Research resulted in one published and one in preparation first author publications in scientific journals and three poster presentations at national and international meetings
- Created and maintained goals and progress reports for multiple research projects in addition to a detailed daily laboratory notebook with data
- Trained and supervised a summer high school student for three years
- Presented data at bi-weekly joint lab meetings and departmental seminars

Associate Scientist, Molecular Biology Group

January 2003-August 2003

BioRexis Pharmaceutical Corporation, King of Prussia, PA

- Increased the half-life of therapeutic peptides by constructing fusion proteins to blood proteins
- Trained two new employees and one summer undergraduate
- Kept a daily laboratory notebook and wrote progress reports for each project
- Presented data at weekly departmental meetings

Assistant Scientist, Molecular Biology Group

June 2001-October 2002

Immunicon Corporation, Huntingdon Valley, PA

- Examined the gene expression profiles of circulating tumor cells
- Research by group resulted in patents toward the GeneSearch™ Breast Lymph Node Assay
- Presented data at weekly group meetings, maintained laboratory notebook, and wrote standard operating procedures

Assistant Scientist, Clinical/Systems Development

May 2000-June 2001

Immunicon Corporation, Huntingdon Valley, PA

- Worked on a team with engineers and clinicians to develop technology to capture and analyze circulating tumor cells called the CellSearch™ Circulating Tumor Cell (CTC) Test
- Helped develop clinical criteria for analysis of peripheral blood samples
- Trained new employees in research protocols
- Traveled to underperforming clinical site in Washington D.C. to retrain technician and collect clinical data

COMPUTER SOFTWARE SKILLS

- Microsoft Word, Excel, PowerPoint
- Adobe Photoshop, Illustrator

WRITING EXPERIENCE

- In collaboration with mentor, researched and wrote grant for an individual Ruth L. Kirschstein National Research Service Award (NRSA) from the NIH: **Examining Sensory Gating Using Caenorhabditis elegans Lethargus**
- In collaboration with mentor, researched and wrote grant for a pre-doctoral fellowship from the American Heart Association: **Functions of the PCH family protein Hof1p in Saccharomyces cerevisiae during cell division**
- Independently researched and wrote grant for Preliminary Examination after second year of graduate school: **The Role of mTOR in Nutrient Sensing: Regulation of eIF2 α Through Gcn2**

PUBLICATIONS (* indicates co-first authors)

- Researched and wrote initial drafts of both papers and mentor wrote final drafts

Nishihama R*, **Name***, Onishi M*, Vallen EA*, Hanna J, Moravcevic K, Lippincott M, Han H, Lemmon MA, Pringle JR, Bi E. (2009) Role of Inn1 and its interactions with Hof1 and Cyk3 in promoting cleavage furrow and septum formation in *S. cerevisiae*. *J Cell Biol.* 185, 995-1012.

Name, Nishihama, R, Bi E. (2010) Regulation of chitin synthesis by the F-BAR protein Hof1. *In preparation.*