

LAURA E. FREILICH, M.D.

EDUCATION:

Fellowship:

2010 – 2011

Primary Care Faculty Development Fellowship Program,
Michigan State University, anticipated May 2011

Residency:

2005 – 2008

University of Chicago, Internal Medicine Residency Program,
Chicago, IL, June 2008

Medical School:

2001 – 2005

University of Chicago, Pritzker School of Medicine, Chicago, IL
M.D., June 2005

College:

1995 – 1999

Columbia University New York, NY
B.A., May 1999
Major: Neuroscience and Behavior

CERTIFICATION:

USMLE Step I, June 2003

USMLE Step II, Sept 2004

USMLE Step III, Jan 2008

American Board of Internal Medicine Exam, Aug 2008

LICENSURE:

Illinois, 4/2008

Michigan, 2/2010

ACADEMIC

APPOINTMENTS:

August 2010 – present

Assistant Professor
Michigan State University
Department of Medicine, College of Human Medicine

July 1, 2009 – July 2010

Clinical Instructor
University of Chicago Pritzker School of Medicine

PROFESSIONAL

EXPERIENCE:

August 2010 – present

Michigan State University, East Lansing, MI
Assistant Professor

Sept 2008 – July 2010

NorthShore University HealthSystem, Glenview, IL
General Internist

- Practice outpatient primary care medicine in a busy group practice of eight physicians
- Manage hospitalized general medicine patients
- Multi-specialty group with over 600 physicians
- Affiliated with University of Chicago Pritzker School of Medicine

HONORS:

April 2004

Computerworld Honors Collection Medal of Achievement: Data mining to solve pediatric brain tumors

Summer 2002

National Institutes of Health Summer Research Award

Fall 1995 – Spring 1999

Columbia University Dean's List

RESEARCH

EXPERIENCE:

May – October 2007

University of Chicago Medical Center, Department of Internal Medicine, Mentors - Julie Oyster, M.D., Vineet Arora, M.D. Chicago, IL
Quality Improvement Project: Improving the Medication Refill Process in the Primary Care Group.

- Worked with a group of residents to evaluate the process of medication refills in the Primary Care Group and identified potential sources of medication error
- Developed a teaching module for internal medicine residents to improve knowledge and understanding of the refill process, minimize medication errors and improve medication documentation
- Compiled and analyzed data about residents' documentation before and after participating in the teaching module

January – August 2002

University of Chicago Department of Internal Medicine, Section of Geriatrics, Mentor - Greg Sachs, M.D. Chicago, IL
Palliative Excellence in Alzheimer Care Efforts (PEACE) Program: Strain in Caregivers of Patients with Dementia

- Worked closely with Dr. Sachs discussing end-of-life care in the geriatric population and reviewing background literature.
- Interviewed patients and their caregivers using the PEACE questionnaire.
- Compiled and analyzed data collected from these questionnaires using a computer-based statistics program (SPSS) to learn about caregiver strain.

July 1999 – June 2001

Children's Memorial Institute of Education and Research: Pediatric Brain Tumor Research Program, Department of Neurosurgery, Mentor - Eric Bremer, Ph.D. Chicago, IL
Research Assistant

- Primary operator of an Affymetrix GeneChip System, used to evaluate expression of thousands of genes simultaneously in both cell lines and tissue samples, available as a core facility to all of Northwestern University
- Identified downstream targets of a developmental gene, Pax3, involved in cell migration and adhesion using both Affymetrix GeneChip technology and real-time quantitative PCR analysis

- Evaluated differential gene expression between medulloblastoma and ependymoma tumor samples collected over the previous five years using the Affymetrix GeneChip System

Summers 1997, 1998

Children's Memorial Institute of Education and Research: Pediatric Brain Tumor Research Program, Department of Neurosurgery, Mentor - Eric Bremer, Ph.D. Chicago, IL
Summer Student

Analysis of differential mRNA expression in a glioma cell line due to the interaction between the ganglioside GM-3 and the EGF receptor using Differential Display Reverse Transcription (DDRT).

PRESENTATIONS:

- 1. Inhibitory effect of antisense oligonucleotides targeting epidermal growth factor receptor may not be related to changes in mRNA levels in human prostate carcinoma cells.** Mirochnik Y, Bremer EG, George D, **Freilich L**, Guinan P, Rubenstein M. Presented at the AACR meeting on Signal Transduction, 2001.
- 2. Molecular Classification of Pediatric Brain Tumors by Gene Expression Profiling.** Eric G. Bremer, David George, Patricia Dyck, Yong Hong Zhang, **Laura Freilich**, Guillermo DeLeon, Tadanori Tomita, and David G. McLone. Abstract presented at NeuroOncology 2002.
- 3. Strain in Caregivers of Patients with Dementia.**
 - Presented at University of Chicago Pritzker School of Medicine NIH Summer Research Program, 2002
 - Presented at Northwestern University Beuhler Center on Aging Summer Geriatrics Program, 2002.
- 4. Quality Improvement Project: Improving the Medication Refill Process in the Primary Care Group.** University of Chicago Medical Center, Dept of Internal Medicine, 2007. Bridget O'Brien, **Laura Freilich**, Salil Ginde, Adam Price, Tojo Thomas, John Yoon.
 - Poster presentation at University of Chicago 3rd Annual Quality Fair, October 17th, 2007
 - Presented at University of Chicago *Quality In Progress*, December 17th, 2007
- 5. Health Risk Assessment: The Importance of Health Screening.** All State Insurance, Northbrook IL. May 15th, 2009.
- 6. Health Fair.** Glenview Senior Center, Glenview IL.
- 7. All Grown Up and Still Unsure: Career Decisions After Becoming A Physician.** Society for General Internal Medicine, Midwest Regional Meeting. September 18th, 2009.
- 8. Smoking Cessation.** Michigan State University Internal Medicine Residency, Psychosocial Rotation. November 2010.
- 9. Primary Care Panel Discussion.** Michigan State University, College of Human Medicine. November 4, 2010.

PUBLICATIONS:

- 1. Microarray analysis detects novel Pax3 downstream target genes.** Mayanil CS, George D, **Freilich L**, Miljan EJ, Mania-Farnell B, McLone DG, Bremer EG. *Journal of Biological Chemistry* 2001 Dec 28;276(52):49299-309. Epub 2001 Oct 05.
- 2. Microarray analysis detects novel Pax3 downstream target genes.** Mayanil, C.S.K., George D, **Freilich L**, McLone D.G., Bremer E.G., *Soc. Neurosci. Abstr.*, Vol 27, Program No 470.19, 2001.

ACTIVITIES:

2006 - 2010 Lakeshore Symphony Orchestra, cellist
2001 - 2003 University of Chicago Orchestra, cellist
1999 - 2001 Northbrook Symphony Orchestra, cellist
1995 - 1999 Columbia University Orchestra, CU chamber music program

PROFESSIONAL MEMBERSHIPS:

2008-present American College of Physicians

CONFERENCES:

April 2008 American College of Physicians National Internal Medicine Conference
April 2009 American College of Physicians National Internal Medicine Conference
Sept 2009 Society for General Internal Medicine, Midwest Regional Meeting