

# Ajay Kiri, MD, RMSK, DAIPM

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## Goals

- I am a well-rounded physician scientist with extensive clinical and research experience looking to make a career change into the medical bioinformatics/software field.

## Summary

- Currently studying full stack web development using HTML, CSS and Javascript
- Working knowledge of: API/AJAX calls, database analysis, JQuery and NodeJS
- Research experience in clinical diagnostics, proteomics, biochemistry & molecular biology
- Clinical expertise in family medicine, sports & pain medicine, and medical acupuncture
- Extensive experience with diagnosis and treatment of wide range of patient illnesses and diseases
- Certified in musculoskeletal ultrasound with extensive diagnostic and procedural experience
- Excellent medical and technical writing skills as well as presentation skills
- Special expertise with medicolegal testifying as an expert witness or treating physician
- Special expertise in Aesthetic medicine involving use of Botox, dermal fillers and laser technologies

## Clinical & Research Experience

### Multiple Clinical Offices in Long Island, Westchester County, Manhattan, Queens and Bronx

#### Attending Physician & Medical Acupuncturist

4/2011 – present

NY

- Provide attending medical coverage for diverse NYC patient population
- Extensive experience with evaluating & treating patients with injuries from work accidents or MVAs
- Provide integrative and comprehensive rehabilitation medical care to patients
- Treat pain & various medical disorders with allopathic & Traditional Chinese Medicine acupuncture

#### Mt Airy Learning Tree

Philadelphia, Pa

#### Physician Educator

10/2010 – 3/2011

- Developed and taught weight loss and fitness programming classes to students
- Developed and taught class “Sports Nutrition for Vegetarians” & “Nutrition for Healthier Living”

### University Of Pennsylvania Health System

#### Hospital of the University of Pennsylvania Dept of Nephrology

Philadelphia, Pa

#### Lifestyle Modification Blood Pressure Study

07/2009 - 04/2010

#### Physician Research Associate

- Developed and taught a motivational lecture series on healthy lifestyles including optimal nutrition, effective exercise habits, stress management techniques & overall wellness.

### Chestnut Hill Hospital Family Practice Residency Program

Philadelphia, Pa

#### Family Practice Resident

06/2007 – 06/2009

- Provided excellent medical care in the capacity of a supervised medical doctor trainee to patients in an outpatient and inpatient setting. Range of medical coverage includes adult & pediatric outpatient medicine, general adult & pediatric inpatient medicine, inpatient & outpatient obstetric medicine.

### Johnson and Johnson/Ortho Clinical Diagnostics

Raritan, NJ

#### Serology/ELISA R&D Team

#### Research Scientist

10/2005 – 06/2007

- Worked as research scientist with senior staff to research and develop new serology assays, mainly ELISA based, for the company.

### Alfa Wassermann Proteomic Technologies, Inc.

West Caldwell, NJ

#### Research Associate

3/2004 – 5/2005

- Used a novel type of ultracentrifugation to separate and purify sub-cellular organelles
- Analyzed protein and cell samples via 2D PAGE, western blotting and enzyme assays

### Center for Advanced Biotechnology and Medicine

Piscataway, NJ

#### Department of Molecular Biology & Biochemistry

**Research Associate**9/1996 – 11/2001

- Developed a protocol to isolate and purify Alzheimer's amyloid plaques from brain
- Researched the structure of amyloid fibrils and measured their kinetic and binding properties on tissue Plasminogen Activator (tPA)
- Bacterially Expressed and purified variants of the  $\beta$ APP protein for NMR analysis

**Software and Technical Education**

**Currently enrolled in full-time Web Development / Full Stack Software Bootcamp at  
University of Pennsylvania College of Liberal and Professional Studies.  
October 2019 to present**

**Post Graduate Medical Education**

**Numerous conferences and continuing medical education courses on primary care, sports medicine, pain medicine, aesthetic medicine, medical acupuncture and clinical ultrasound.**

**Certified in Musculoskeletal Ultrasound by ARDMS Since June 2013 with over 1000 hours of clinical ultrasound experience involving diagnostic and procedural ultrasound skills.**

**SUNY Downstate Medical Center****Brooklyn, NY****Medical Acupuncture Post-Graduate Training & Certification****08/2011 – 02-2012****Chestnut Hill Family Practice Residency Program****Chestnut Hill, Philadelphia, Pa**

- 06/2007 – 06/2008: PGY-1 year; rotations completed: inpatient surgery, inpatient cardiology, inpatient medicine 3 blocks, community medicine, obstetrics, newborn nursery, ICU, adult emergency room, pediatric emergency room, inpatient pediatrics
- 06/2008 – 06/2009 PGY-2 year; rotations: outpatient orthopedics, inpatient medicine, ENT/ophthalmology, allergy/immunology & dermatology, obstetrics, outpatient surgery, community medicine
- Audited and participated in "Change of Heart Program" a 12 week intensive outpatient exercise and nutritional program designed to significantly reduce cardiovascular risk factors using a patient oriented medical education & effective lifestyle modification practices approach

**Medical & Undergraduate Education****University of Medicine and Dentistry of NJ-Robert Wood Johnson Medical School: New Brunswick, NJ**

- 08/1996 – 05/2002: Medical Degree
  - Scholarly research year 09/2000 – 09/2001
- Rutgers, the State University of New Jersey, Rutgers College** New Brunswick, NJ
- B.A. Molecular Biology and Biochemistry, Minor in Economics, May 1995, GPA 3.9/4.0

**Present and Past Professional Affiliations**

- American Academy of Pain Management – Academy of Integrative Pain Management
- American Society for Interventional Pain Physicians
- New York Pain Society
- American Registry for Diagnostic Medical Sonography
- American Medical Association
- American Academy of Family Physicians
- National Academy of Sports Medicine
- American Medical Society for Sports Medicine