

# Shahein Tajmir Massachusetts General Hospital

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## Education

08/06-05/10	B.S.	Biology; Minor Persian Language	Emory University
08/10-05/14	M.D.	Medicine	Harvard Medical School

## Postdoctoral Training

06/14-06/15	Transitional Resident	BIDMC / Signature Healthcare Brockton Hospital
07/15-07/19	Diagnostic Radiology Resident	Massachusetts General Hospital

## Committee Service

### Local

11/10-04/12	HMS Student Council	Harvard Medical School
11/10-05/12	<i>Vice President for Technology</i>	
08/10-04/12	Harvard Medical Language Initiative	Harvard Medical School
01/11-01/12	<i>President</i>	

## Professional Societies

08/10-	American Medical Association
01/13-	Radiological Society of North America
07/15-	American College of Radiology
07/15-	American Roentgen Ray Society

## Honors and Prizes

08/06	Robert W. Woodruff Scholar <i>Full tuition, room, and board</i>	Emory University
05/08	Barry M. Goldwater Scholar <i>Competitive national merit-based scholarship awarded to undergraduates pursuing careers in science, mathematics, or engineering</i>	Emory University
05/08	Phi Beta Kappa Honor Society	Emory University
05/10	Recipient, Dept of Biology <i>"Darrell Stokes Award for Outstanding Graduating Student"</i>	Emory University
05/12	Virginia and Lt. Joseph Linnane Scholar <i>1 HMS student annually for Academic Excellence and Community Leadership</i>	Harvard Medical School

## Report of Funded and Unfunded Projects

### Funding Information

#### Past

05/07-08/08 University of Alabama SIBS; Emory INSPIRE \$7,500

*Supervised by*

Christopher Klug, Ph.D., Department of Immunology, University of Alabama at Birmingham  
*Defining a Transcriptional Signature for Hematopoietic Stem Cell Self-Renewal Associated with Hox Overexpression*

The major goal of this study was to identify the effects of overexpression of 18 cell patterning genes on murine hematopoietic stem cell self-renewal. HoxA5 and HoxB5 were identified as having a positive effect on HSC self-renewal, and their effects were further characterized using RNAi.

01/11-05/14 Harvard Scholars in Medicine \$4,000

*Supervised by*

Arun Ramappa, M.D., Department of Orthopaedics, Beth Israel Deaconess Medical Center  
*Patient Position, Subspecialty Training and Years of Experience Increase the Likelihood of Surgical Fixation in the Treatment of Clavicle Fractures*

The major goal of this study was to identify the effect of radiographic patient position and other variables on orthopaedic surgeons' decision to perform surgical fixation in the treatment of clavicle fractures.

### **Past Unfunded Projects**

01/11-05/14 Department of Orthopaedics, Beth Israel Deaconess Medical Center

Arun Ramappa, M.D.

*Health Care Reform Increases Rates of Elective Lower Extremity Surgery*

The major goal of this study was to evaluate insurance-based differences of lower extremity elective surgery pre- and post-healthcare reform in Massachusetts.

06/13- Center for Evidence Based Imaging, Brigham and Women's Hospital

Ramin Khorasani, M.D., Department of Radiology

*A Randomized Controlled Trial to Determine the Impact of Computerized Clinical Decision Support on the Utilization of Foot and Ankle Imaging*

The major goal of this study was to determine the effect of high quality computerized clinical decision support (CDS) based on the Ottawa Ankle Rule (OAR) / Ottawa Foot Rule (OFR) on the use of ankle/foot plain radiography in the urgent care setting.

## **Report of Local Teaching and Training**

### **Teaching of Students in Courses**

08/07-05/10	Supplemental Instructor, Organic Chemistry (CHEM 171/172) 35 Undergraduates	Emory University 6 hrs/wk for 30 wks/yr
10/11	Student Tutor The Human Body (IN753.0) 1 <sup>st</sup> year medical students	Harvard Medical School 4 hrs/wk for 6 wks/yr
02/12	Student Tutor Human Physiology (IN752.0) 1 <sup>st</sup> year medical students	Harvard Medical School 4 hrs/wk for 6 wks/yr
08/13-05/14	Student Tutor Patient Doctor II (ME721M.3) 2 <sup>nd</sup> year medical students	Harvard Medical School 8 hrs/wk for 8 mos/yr
07/15-	Resident HMS Core Radiology Clerkship 3 <sup>rd</sup> and 4 <sup>th</sup> year medical students	Harvard Medical School 1-2 hrs/wk for 12 mos/yr

## **Report of Clinical Activities and Innovations**

### **Current Licensure and Certification**

06/14- Massachusetts Limited License

## **Report of Education of Patients and Service to the Community**

### **Activities**

08/10-05/12	<b>Harvard Medical Language Initiative</b> Coordinated fundraising, course planning, direction, and recruitment of three fully student-funded and organized medical language courses in Spanish, Portuguese, and Mandarin Chinese. Courses were approved as official HMS electives in June 2012.
08/10-05/12	<b>Student Projectionist</b> Readied microphones, computers, projectors, and lecturers in coordination with HMS Media Services. Debugged PowerPoint, Audience Response, and Audio/Video failures in real time.
11/10-05/12	<b>HMS Student Council, VP for Technology</b> Worked with the administration to remodel and upgrade the projection and recording system in the two medical school amphitheatres. Shared workflows for using iPads in class, developed tutorials for configuring iPads with the various hospital systems, and served on the mobile applications focus group. Organized, led, and recorded a student-to-student seminar on teaching 30 classmates how to best use cloud services to organize and better simplify their lives.
10/11-12/11	<b>Second Year Show</b> (student written, directed, and performed two-act musical) Developed the website ( <a href="http://www.secondyearshow.com/2011">www.secondyearshow.com/2011</a> ); co-designed all

artwork including logo, tickets, flyers, posters, and t-shirts; edited the 65 page script.

- 08/11-05/12 **Student Teaching Corps**  
Led a corps of ten 2<sup>nd</sup> year medical students to plan anatomy lab walk-throughs, anatomy group reviews, and physiology group reviews for 1<sup>st</sup> year medical students; connected 1<sup>st</sup> year students to 2<sup>nd</sup> and 4<sup>th</sup> year tutors; tutored 5 students in anatomy and physiology.
- 06/11-08/13 **Low-Vision Lifesavers**  
Performed vision screenings in senior-citizen, low-income living centers throughout Boston to detect preventable causes of blindness. Translated for Spanish and Portuguese speaking patients.
- 08/11-05/14 **Holmes Society Mentor / Big Sib / Invited Student Panelist**  
Mentored 8 junior Holmes Society students during their second year, with guidance on balancing classwork and boards preparation and navigating the transition from classroom to clinic.  
Invited participant for two panels:  
Preparing for Step 1 / Step 1 Study Strategies  
Intro to the PCE Panel
- 08/11-05/14 **Harvard Medical School Practice Interviewer**  
Interviewed prospective residents for Radiology at HMS

## Report of Scholarship

### Peer reviewed publications in print or other media

1. Silveira PC, Ip IK, Sumption S, Raja AS, **Tajmir S**, Khorasani R. Impact of a clinical decision support tool on adherence to the Ottawa Ankle Rules. *The American Journal of Emergency Medicine* 2016;34(3):412–418. doi:10.1016/j.ajem.2015.11.028.

### Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings

Klug, C., He, Q., **Tajmir, S.**, Chen, D., Swindle, CS. (2007). *Defining A Molecular Self-Renewal Signature for Hematopoietic Stem Cells.*

Poster presented at: ISSCR 5th Annual Meeting; Cairns, Australia.

Swindle, C., He, Q., **Tajmir, S.**, Chen, D., Klug, C. (2008). *Defining a Transcriptional Signature for Hematopoietic Stem Cell Self-Renewal Associated with Hox Overexpression.*

Poster presented at: Cold Spring Harbor Symposium on Control and Regulation of Stem Cells; Cold Spring Harbor, NY.

## Languages

Spanish	<i>Full professional proficiency</i>
Persian	<i>Full professional proficiency</i>
Portuguese	<i>Professional working proficiency</i>

## **Interests**

Photography *Nikon D5000; [www.flickr.com/photos/shahein](http://www.flickr.com/photos/shahein)*  
Cooking *Persian and Korean cuisine*  
Running *5k and Half Marathon; Allstate 13.1 mile in 9/2013; BAA Half 13.1 mile 10/2015*  
Tech Theater *Lighting Design, Sound Design, and Set Construction*  
Persian Music *Classical (Yahaghi, Shajarian) and Modern (Aram, Mortazavi)*