

# CURRICULUM VITAE

**Mark Shasti, M.D.**



Practice Address:

Orthopaedic and Spine Surgery Institute (OSSI)  
19450 Deerfield Ave Suite 300  
Lansdowne, VA 20176  
Phone: (703) 723-6774  
Cell: (410) 599-9872  
Fax: (703) 723-1494  
Email: shastim@gmail.com

Languages Spoken:

English, Farsi (Persian)

## Employment

---

August 2019- Present      **Orthopaedic and Spine Surgery Institute**, Lansdowne, VA  
Director, Adult and Pediatric Spine Surgeon

## Education

---

August 2010- May 2013      **Northeast Ohio Medical University**, Rootstown, OH  
Doctorate of Medicine Program

August 2006- July 2010      **St. George's University**, Grenada, West Indies  
Doctorate of Medicine Program

September 2003- June 2005      **University of Maryland, School of Medicine**, Baltimore, MD  
Department of Medical and Research Technology  
Bachelor of Science 2005

## Post Doctoral Education & Training

---

July 2013- June 2014      **Internship in General Surgery**, Baltimore, MD  
University of Maryland Medical Center  
R Adams Cowley Shock Trauma Center  
Director: Stephen Kavic, MD

July 2014- June 2018      **Residency in Orthopaedic Surgery**, Baltimore, MD  
University of Maryland Medical Center  
R. Adam Cowely Shock Trauma Center  
Director: Frank Henn, MD

August 2018- July 2019      **Combined Neurosurgery and Orthopaedic Fellowship in Adult and Pediatric Spine Surgery**, Louisville, KY  
Norton-Leatherman Spine Center  
University of Louisville Department of Orthopaedics and Neurosurgery  
Director: Steven Glassman, MD

## Courses and Lectures Attended

---

3/2018      AAOS Annual Meeting, New Orleans, LA

3/2017      AAOS Annual Meeting, San Diego, CA

5/2016      AAOS Fundamentals of Hip and Knee Arthroplasty, Baltimore, MD

4/2016      The International Congress for Joint Reconstruction: ORTI East, Philadelphia, PA

2/2016      Maryland Orthopaedic Association, Annapolis, MD

10/2015      AOSpine: Principles and Treatment in Spinal Disorders Course, Las Vegas, NV

04/2015      OTA: Residents Comprehensive Fracture Course, Rosemont, IL

3/2016      Maryland Orthopaedic Association, Baltimore MD

## Professional Memberships

---

2015-Present      Member, AOSpine

2013-Present      Member, The North American Spine Society (NASS)

2013-Present      Member, American Academy of Orthopaedic Surgeons

2013-2018      Resident Member, Maryland Orthopaedic Association

2011-2013      The American Physician Scientists Association (APSA)

2011-2013      The American College of Surgeons (ACS)

2008-2018      American Medical Association (AMA)

2006-2013      American Medical Student Association (AMSA)

2003-2010 American Society of Clinical Pathology (ASCP)

## Honors & Awards

---

2013 **William H. Falor Research Award**, Northeast Ohio Medical University  
2012 **Alpha Omega Alpha** Honor Medical Society  
2007-2009 **Iota Epsilon Alpha**, International Honor Medical Society  
2007-2009 **Dean's List**, St. George's University, School of Medicine  
2003-2005 **Dean's List**, University of Maryland, School of Medicine, DMRT  
2003-2005 **Psi Beta**, Psychology National Honor Society  
2002-2005 **Phi Theta Kappa**, Honor Society  
2002-2005 **The National Scholars and Honor Society**

## Research Experience

---

2018-2019 **Norton-Leatherman Spine Center**  
PI: Steven Glassman, M.D.  
➤ *Investigate the association of loss of muscle mass in and development of proximal junctional kyphosis*  
➤ *Radiographic Analysis of Disc Height and Lumbar Lordosis following Midline Posterior Lumbar Interbody Fusion with Cortical Bone Trajectory Screws vs. Traditional Transforaminal Lumbar interbody Fusion*

2014-2018 **University of Maryland**, School of Engineering, Department of Bioengineering  
The Orthopaedic Mechanobiology Laboratory  
PI: Steven Ludwig, M.D.  
➤ *Elucidated if lateral interbody fusion procedure provides adequate stiffness for treating adjacent segment disease in cadaveric model*

2015-2018 **University of Maryland**, Department of Orthopaedics, Division of Spine Surgery  
PI: Daniel Gelb, M.D.  
➤ *Compared decompression and fusion with decompression alone for the treatment of grade 1 degenerative spondylolisthesis: A Meta-Analysis*

2015-2018 **Johns Hopkins Hospital**, Department of Orthopaedics, Division of Pediatrics  
PI: Paul Sponseller, M.D.  
➤ *Elucidated rate of AVN and evaluate clinical outcomes following the modified Dunn procedure in SCFE: A Meta-Analysis*

2015-2018 **University of Maryland**, R Adams Cowley Shock Trauma Center  
PI: Raymond Pency, M.D.  
➤ *Examined the relationship between the magnitude of soft-tissue defect and the risk for free-flap and limb-salvage complications/failures: Retrospective analysis*

2015-2018 **University of Maryland**, Department of Orthopaedics  
PI: Joshua Abzug, M.D.  
➤ *Compared the effectiveness of surgical treatment options to determine the optimal management of scaphoid nonunion: A Meta-Analysis*

2015-2018 **University of Maryland**, Department of Orthopaedics  
PI: Ashfaq Hasan, M.D.  
➤ *Reviewed current state of diagnosis, screening, and pathogenesis of septic arthritis of the shoulder: A Meta-Analysis*

- 2010-2013 **The University of Akron**, Department of Polymer Science  
Connective Tissue Biology and Orthopaedic Tissue Engineering Laboratory  
PI: William Landis, PhD  
➤ *Spearheaded tissue-engineering projects to emulate the native structure and composition of auricular cartilage and bone by combining and developing suitable chondrogenic cell sources and periosteum with novel biomaterial scaffolds under optimal conditions in vitro and in vivo*
- 2003-2005 **University of Maryland**, School of Medicine  
Clinical Microbiology, Virology, & Biotechnology Laboratories  
PI: Silvia A. Pineiro, PhD  
➤ *Analyzed the life cycle of a unique predatory group of bacteria, the Bdellovibrio, devised mechanisms in vitro to use these predators to eliminate pathogenic gram negative bacteria during infection, investigated and identified taxonomy using 16S rRNA*
- 2001-2003 **Community College of Baltimore County**  
Biotechnology Laboratory, Department of Biology  
PI: Thomas Burkett, PhD  
➤ *Developed technical skills in molecular biology and biotechnology and studied gene regulation and protein expression in Saccharomyces cerevisiae*

## Clinical Trials

---

- 2015 – 2018 **Liposomal Bupivacaine in Post-Operative Spine Patients**  
University of Maryland Medical Center, Baltimore, MD  
PI: Steven C. Ludwig, MD  
Sponsor: Pacira Pharmaceuticals, Inc.  
Purpose: Evaluate safety and efficacy of liposomal Bupivacaine injection on postoperative pain management in patient undergoing spine surgery: prospective, single-blinded, randomized, placebo-controlled single-center  
➤ *Assisted with patient enrollment, pre-screen and consent subjects, visit patients on each postoperative day in the hospital and assist with data collection*
- 2015 – 2018 **Odontoid Fracture Study**  
University of Maryland Medical Center, Baltimore, MD  
PI: Kelley E. Banagan, MD  
Sponsor: Orthofix, Inc.  
Purpose: Determine if pulsed electromagnetic fields (PEMF) favorably and safely promotes healing of type II odontoid fractures in nonsurgical patients: prospective, double-blinded, randomized, placebo-controlled multi-center clinical trial  
➤ *Assisted with patient enrollment, pre-screen and consent subjects, visit patients on each postoperative day in the hospital and assist with data collection*
- 2015 – 2018 **Topical TXA for Thoracolumbar Trauma**  
University of Maryland, R Adams Cowley Shock Trauma Center, Baltimore, MD  
PI: Steven C. Ludwig, MD  
Sponsor: Intramural Orthopaedic and Musculoskeletal Research  
Purpose: Determine the safety and efficacy of topical tranexamic acid (TXA) for open posterior instrumentation for patients with thoracic and lumbar trauma: prospective, double-blinded, randomized, placebo-controlled single-center clinical

investigation

- Assisted with patient enrollment, pre-screen and consent subjects, visit patients on each postoperative day in the hospital and assist with data collection

## Peer Reviewed Journal Articles – Published

---

Widmer S, Steiner RP, Morscher MA, **Shasti M**, Weiner DS, Adamczyk MJ, Childs RD, Landis WJ. "An investigation to validate the equivalence of physes obtained from different anatomic regions in a single animal species: Implications for choosing experimental controls in clinical studies" *Bone*, May 2019 PMID 31194098.

Pyun J, Weir T, **Shasti M**, Koh E, Banagan K, Ludwig S, Gelb D, "The Utility of In-hospital Postoperative Radiographs Following Surgical Treatment of Traumatic Thoracolumbar Injuries" *Clin Spine Surg Journal*, Apr 2019 PMID: 31045598

Koenig S, Jauregui JJ, **Shasti M**, Jazini E, Banagan K, Koh E, Gelb D, Ludwig SF. "Decompression vs Fusion for Grade I Degenerative Spondylolisthesis: A Meta-Analysis." *Global Spine Journal*, Apr 2019 PMID: 30984494

Brown L, Weir T, MD; **Shasti M**, Koenig S, Yousaf O, Yousaf I, Tannous O, Gelb D, Ludwig S, "Can Liposomal Bupivacaine Be Safely Utilized In Elective Spine Surgery?" *Global Spine Journal*, Apr 2019 PMID: 30984490

**Shasti M**, Koenig S, O'Hara N, Gelb D, Ludwig SF. "Biomechanical Analysis of Lateral Interbody Fusion for Treating Adjacent Segment Disease in the Lumbar Spine." *The Spine Journal*, Mar 2019 PMID: 30201269

Ackshota N, Brown L, **Shasti M**, Bussey IH, Vishwanath VM, Koh E, Banagan K, Ludwig S, Gelb D, "Outcomes of Multi-Level Vertebrectomy for Spondylodiscitis", *Spine Journal*, Feb 2018, PMID: 30081094

Brown L, Weir T, MD; **Shasti M**, Yousaf O, Yousaf I, Tannous O, Gelb D, Ludwig S, "The Efficacy of Liposomal Bupivacaine in Lumbar Spine Surgery." *International Journal of Spine Surgery*, Aug 2018 PMID: 30276103

Smith R, Bhandutia A, **Shasti M**, Jauregui JJ, Ludwig S, "Atlas Fractures: Diagnosis, Current Treatment Recommendations and Implications for Elderly Patients." *Clinical Spine Surgery*, Aug 2018 PMID: 29620588

Clark S, Nash A, **Shasti M**, Jauregui JJ, Mistretta K, Koh E, Banagan K, Gelb D, Ludwig S. "Mortality Rates Following Posterior C1-2 Fusion for Displaced Type II Odontoid Fractures in Octogenarians" *The Spine Journal*, Sep 2018 PMID: 29538245

**Shasti M**, Jauregui JJ, Malik A, Slobogean G, Eglseder W, Pency R. "Magnitude of Soft Tissue Defect as a Predictor of Free Flap Failures: Does Size Matter?" *Journal of Orthopaedic Trauma*, Dec 2017 PMID: 29189524

Nadarajah V, Jauregui JJ, Perfetti D, **Shasti M**, Koh E, Henn RF. "What are the Trends, Demographics, and Economics in Sports-related Pediatric Spinal Cord Injuries?" *The Physician and Sportsmedicine*, Nov 2017 PMID: 29161931

Nakao N, Jacquet R, **Shasti M**, Isogai N, Murthy A, Landis W. "Long-term Comparison Between Human Normal Conchal and Microtia Chondrocytes Regenerated by Tissue Engineering on Nanofiber PGA Scaffolds." *Plastic and Reconstructive Surgery journal*. Apr 2017 PMID: 28350666

**Shasti M**, Jacquet R, McClellan P, Yang J, Matsushima S, Isogai N, Murthy A, Landis W. "Effects of FGF-2 and OP-1 in Vitro on Donor Source Cartilage for Auricular Reconstruction Tissue Engineering." *International Journal of Pediatric Otorhinolaryngology* 78.3 (2014): 416-22. PMID: 24439635

Bhandutia A, Brown L, **Shasti M**, Nash A, Koh E, Banagan K, Ludwig S, Gelb D, "Delayed Diagnosis of Tandem Spinal Stenosis: A Retrospective Institutional Review" *Spine*, Jan 2018

**Shasti M**, Jauregui JJ, Li T, Hariharan A, Xuang J, Abzug J “Does Utilizing an Ambulatory Surgery Center Reduce the Cost for Treating Pediatric Supracondylar Humerus Fracture?” *JAAOS*, May 2018

Jauregui JJ, Spitzer A, **Shasti M**, Sponseller P, Adib F. “Avascular Necrosis With Modified Dunn in SCFE Patients: A meta-analysis.” *Journal of Pediatric Orthopaedics*, 2017

### **Peer Reviewed Journal Articles – Submitted**

---

Cavanaugh D, Weir T, **Shasti M**, Koh E, Banagan K, Ludwig S, Gelb D, “Radiographic Evaluation of Minimally Invasive Instrumentation and Fusion for Treating Unstable Spinal Column Injuries” *Global Spine Journal*, 2018

Khalsa K, Weir T, **Shasti M**, Koh E, Banagan K, Ludwig S, Gelb D, “Outcomes of Lumbopelvic Fixation for the Treatment of Adult Deformity with Modified Iliac Screw Starting Point” *Global Spine Journal*, 2018

Jauregui JJ, Seger E, **Shasti M**, Hayden AJ, Stracher MA, Pensy R, Abzug JM. Treatment of the Non-united Scaphoid: A Meta-analysis of the Last 20-Years.” *Journal of Hand Surgery*, 2017

Jauregui JJ, Chaudhri MW, **Shasti M**, Gilotra M, Hasan SA, “Diagnosing a Periprosthetic Shoulder Infection: A Meta-Analysis” 2017

Gum J, **Shasti M**, Yermanemi S, Raad M, Hostin R, Kelly M, Lafage V, Smith J, Passias P, Kabaish K, Shaffrey C, Burton D, Ames C, Schwab F, Protopstaltsis T, Bess S, ISSG, “Improvement in SRS-22R Self-Image and Activity Correlate Most with Patient Satisfaction after 3-Column Osteotomy” *Spine*, May 2019

**Shasti M**, Moshirfar A, Gum J, Jazini E, “Occipitocervical Fusion: A Review and Current Concepts” *Seminars in Spine Surgery*, May 2019

### **Podium Presentations**

---

**Shasti M**, Koenig S, O’Hara N, Gelb D, Ludwig SF. “Biomechanical Analysis of Lateral Interbody Fusion for Treating Adjacent Segment Disease in the Lumbar Spine.” The International Society for the Advancement of Spine Surgery, 2018, Toronto, CA

**Shasti M**, Koenig S, Jauregui JJ, Gelb D, Ludwig SF. What is the current evidence for low grade degenerative spondylolisthesis, a meta-analysis. American Academy of Orthopaedic Surgeons 2018, New Orleans, LA.

**Shasti M**, Clark S, Brown L, Jauregui JJ, Koh, E, Banagan K, Gelb D, Ludwig SF. Mortality rates following posterior C1-2 fusion for treatment of displaced type II odontoid fractures in octogenarians: A 10-year review. 32<sup>nd</sup> North American Spine Society Meeting (2017), Orlando, FL.

**Shasti M**, Koenig S, O’Hara N, Gelb D, Ludwig SF. Biomechanical Analysis of Lateral Interbody Fusion for Treating Adjacent Segment Disease in the Lumbar Spine. Society for Minimally Invasive Spine Surgery Annual Forum 2107, Las Vegas, NV

**Shasti M**, Koenig S, Jauregui JJ, Gelb D, Ludwig SF. What is the current evidence for low grade degenerative spondylolisthesis, a meta-analysis. Lumbar Spine Research Society Annual Meeting 2017, Chicago, IL.

Jauregui JJ, Seger E, **Shasti M**, Hayden AJ, Stracher MA, Abzug JM. Treatment of the Non-united Scaphoid: A Meta-analysis of the Last 20-Years. American Academy of Orthopaedic Surgeons 2017 Annual Meeting, San Diego, CA.

Widmer S, **Shasti M**, Jacquet R, Landis WJ, Adamczyk M, Morscher M, Weiner D. “Gene Expression of Aggrecan and Type II Collagen in Growth Plates Taken From 3 Different Regions in 2 Different Species.” Mid-America Orthopaedic Association 31st Annual Meeting, Amelia Island, FL, 2013.

Widmer S, **Shasti M**, Jacquet R, Landis WJ, Adamczyk M, Morscher M, Weiner D. “Physeal Gene Expression and Structure From Different Anatomic Regions in Two Species.” Annual academic and scientific program of the American Academy of Pediatrics Section of Orthopaedics, Orlando, FL, 2013

**Shasti M**, Piñeiro S, Williams HN. (Oral presentation) "Response of *Bdellovibrionaceae* and Viruses to a Massive Introduction of *V. parahaemolyticus* in Natural Water." American Society of Limnology and Oceanography Conference, Salt Lake City, UT, 2005. (Awarded 3<sup>rd</sup> Place in Graduate Level Presenting Seminar)

## Poster Presentations and Scientific Exhibits

---

**Shasti M**, Jauregui JJ, Brown L, Weir T, Tannous O, Jazini E, Banagan K, Koh E, Gelb D, Ludwig S "A Randomized Controlled Trial on the Efficacy of Liposomal Bupivacaine in Lumbar Spine Surgery: Pilot Study" American Academy of Orthopaedic Surgeons 2018, New Orleans, LA.

**Shasti M**, Jauregui JJ, Li T, Hariharan A, Xuang J, Rotunno J, Abzug J "Does Utilizing an Ambulatory Surgery Center Reduce the Cost for Treating Pediatric Supracondylar Humerus Fracture?" American Academy of Orthopaedic Surgeons 2018, New Orleans, LA.

**Shasti M**, Jauregui JJ, Slobogean G, Eglseder W, Pensy R. "Soft Tissue Defect Size Predicts Free Flap Complications" American Academy of Orthopaedic Surgeons 2017 Annual Meeting, San Diego, California.

**Shasti M**, Koenig S, Jauregui JJ, Gelb D, Ludwig SF. Biomechanical Evaluation of Lumbar Lateral Interbody Fusion for the Treatment of Adjacent Segment Disease, 32<sup>nd</sup> North American Spine Society Meeting (2017), Orlando, FL.

**Shasti M**, Koenig S, Jauregui JJ, Jazini E, Gelb D, Ludwig SF. Decompression Versus Fusion for Grade I Degenerative Spondylolisthesis: A MetaAnalysis 32<sup>nd</sup> North American Spine Society Meeting (2017), Orlando, FL.

Malik A, **Shasti M**, Jauregui JJ, Slobogean G, Eglseder W, Pensy R. "Soft Tissue Defect Size Predicts Free Flap Complications" American Academy of Orthopaedic Surgeons 2017 Annual Meeting, San Diego, California.

**Shasti M**, Koenig S, Weir T, Shiu B, Jauregui JJ, Sardesai N, Adib F. "Diagnosis and Treatment Options for Morphologic Hip Disorders in Young Adults: Where We Stand in 2017" Scientific Exhibit. American Academy of Orthopaedic Surgeons 2017 Annual Meeting, San Diego, California.

Malik A, **Shasti M**, Jauregui JJ, Slobogean G, Eglseder W, Pensy R. "Does magnitude of soft tissue defect predict free flap failure in the mangle extremity?" American Academy of Orthopaedic Surgeons 2017 Annual Meeting, San Diego, California.

Shiu B, **Shasti M**, Jazini E, Song X, Koh E, Gelb D, Banagan K, Ludwig S. "Minimally Invasive Spine Surgery for Thoracolumbar Trauma: Indications, Techniques and Evidence in 2016". Scientific Exhibit, American Academy of Orthopaedic Surgeons 2016 Annual Meeting, Orlando, Florida.

**Shasti M**, Koenig S, Jauregui JJ, Brown L, Koh E, Gelb D, Banagan K, Ludwig S. "Decompression Versus Fusion for Grade I Degenerative Spondylolisthesis: A Meta-Analysis" Podium/Poster. Maryland Orthopaedic Association 2017 Annual Meeting, Annapolis, Maryland

Jauregui JJ, Seger E, **Shasti M**, Hayden AJ, Stracher MA, Abzug JM. "Treatment of the Non-united Scaphoid: A Meta-analysis of the Last 20-Years." Podium/Poster. Maryland Orthopaedic Association 2017 Annual Meeting, Annapolis, Maryland

Jauregui JJ, **Shasti M**, Meredith S, Gilotra M, Hasan SA, "Diagnosing a Periprosthetic Shoulder Infection: A Meta-Analysis." Podium/Poster. Maryland Orthopaedic Association 2017 Annual Meeting, Annapolis, Maryland

Jauregui JJ, Kish A, Spitzer A, **Shasti M**, Adib F. "Avascular Necrosis With Modified Dunn in SCFE Patients:

A meta-analysis." Podium/Poster. Maryland Orthopaedic Association 2017 Annual Meeting, Annapolis, Maryland

**Shasti M**, Matsushima S, Jacquet R, Murthy A, Landis WJ. "Human Pediatric Microtia Chondrocytes as Surrogates for Normal Auricular Cells in Tissue Engineering." Presented at Clinical Congress: American College of Surgeons. San Francisco, CA, 2011.

**Shasti M**, Berhane T, Williams H, Piñeiro S. "Comparative Analysis of *Bdellovibrionaceae* Diversity by Cultured and Non-cultured Methods." American Society of Limnology and Oceanography Conference, Salt Lake City, UT, 2005.

## Book Chapters

---

**Shasti M**, Sponseller P. Chapter 18: "Comparison of Unit Rods with Modular Constructs in Cerebral Palsy." Text book of Pediatric Neuromuscular Spine Deformity, Section 3: Surgical Techniques, New York, NY, Thieme. 2016.

**Shasti M**, Parent S, Sponseller P. Chapter 24: "Management of Early and Late Infection." Text book of Pediatric Neuromuscular Spine Deformity, Section 4: Postoperative Management and Complications, New York, NY, Thieme. 2016.

## Intramural & External Grant Support

---

- |      |   |
|------|---|
| 2017 | \$20,000; Foundation for Orthopedic Trauma<br>Hoffman E, <b>Shasti M</b> , Koh E, Banagan K, Gelb D, Pollak A, Ludwig S.<br>Comparison of Topical Tranexamic Acid to Routine Hemostasis in Surgical Fixation of Traumatic Spinal Injuries: A Double Blinded Placebo Controlled Randomized Trial<br>Grant Author: Mark Shasti, M.D.<br>PI: Steven Ludwig |
| 2015 | \$35,000; K2M, University of Maryland Medical Center<br><b>Shasti M</b> , Jazini E, Weir T, Koh E, Banagan K, Gelb D, Ludwig S.<br>Evaluation of lateral Interbody fusion biomechanical stiffness for the treatment of adjacent segment disease<br>Grant Author: Mark Shasti, M.D.<br>PI: Steven Ludwig   |
| 2012 | \$3000, The Arnold P. Gold Foundation, Northeast Ohio Medical University<br><b>Shasti M</b> , Isogai N, Jacquet R, Murthy A, Landis W.<br>Effects of FGF-2 and OP-1 in vitro on donor source cartilage for auricular reconstruction tissue engineering<br>Grant Author: Mark Shasti<br>PI: William J. Landis  |

## Newspaper and other Articles

---

- "Akron researchers moving ahead with work to grow new ear." Akron Beacon Journal, Akron, OH, September 19, 2011.
- "Born without an ear." Akron Beacon Journal, Akron, OH, January 14, 2011.
- "Donated cells transform from lab to mouse." Akron Beacon Journal, Akron, OH, January 13, 2011.

## Work Experience

---



2005-2006 Mercy Medical Center, Baltimore, MD  
**Medical Technologist:** Department of Pathology  
**Assistant Supervisor:** Coordinated laboratory operations, analyzed quality control data, assisted with staff scheduling and troubleshooting various laboratory instruments.  
Clinical Laboratory experience in hematology, blood bank, microbiology, clinical chemistry, toxicology, immunology, urinalysis and body fluids  
➤ Performed diagnostic laboratory tests, evaluated and interpreted assays, and monitored the appropriate execution of diagnostic reports.

## Teaching Experience

---

2018-2019 **Clinical Instructor**, University of Louisville School of Medicine  
2013-2018 **Clinical Instructor**, University of Maryland School of Medicine  
2011-2012 **Peer Instructor**, Comprehensive Review Course, Northeast Ohio Medical University  
2011 **MEDCAMP**, Northeast Ohio Medical University  
▪ *Served as teaching aid in an intensive immersion experience designed to stimulate high school students' interests in the basic sciences related to medicine and pharmacy. Familiarized students to practical experiences in biomedical science workshops involving research, clinical problem solving and introduction to the fields of clinical medicine and pharmacy*  
2010-2011 **Peer Tutor**, Office of Student Affairs, Northeast Ohio Medical University  
▪ *Tutored students in Principals of Medicine, USMLE subjects, Pharmacology, Microbiology, Anatomy, and Physiology*  
2007-2009 **Teaching Assistant**, Department of Education Services, St. George's University  
▪ *Promoted academic success and enhanced student educational performance*  
▪ *Counseled students and tutored students with learning disabilities*  
▪ *Founded special interest groups for: Immunology, Microbiology, Pharmacology, and Pathology*

## Leadership and Volunteer Service

---

2015 **National Youth Leadership Forum**, University of Maryland, College Park  
▪ *Moderator, Orthopaedic Surgery Session, Careers in Medicine*  
2010-2011 **Austen BioInnovation Institute in Akron (ABIA)**, University of Akron  
▪ *Led the orthopaedics biodesign team, attended rigorous didactic and observational training programs for invention, patenting, and development of materials-oriented solutions to medical problems*  
2011-2013 **Orthopaedic Surgery Interest Group**, Northeast Ohio Medical University  
▪ *M3 representative, planned events for supporting students interested in orthopaedics*  
2011-2013 **Biomedical Research Interest Group (BRIG)**, Northeast Ohio Medical University  
▪ *Vice president, organized meetings for members to discuss current literature in biomedical research, promoted students' involvement in research*  
2011-2013 **Student Curriculum Council Representative**, Northeast Ohio Medical University  
▪ *Represented medical students at the council, assisted with implementation of educational programs for the medical degree, enhanced the quality and consistency within the curriculum, addressed student curricular concerns*  
2011-2013 **Open M Free Medical Clinic**, Akron, Ohio

- 2011
  - *Volunteered and provided primary care and treatment to the uninsured population in Akron, Ohio.*
- 2011
  - **The Youth Club of the Western Reserve, Akron, Ohio**
  - *Youth Development Specialist: Coached the teen's education programs, helped the youth members to realize their full potential as productive, responsible, and caring citizens. Facilitated teen's health and wellness, educational and awareness seminar for sexually transmitted infections, teen's pregnancy, and planning parenthood.*
- 2011-2012
  - **Associate Judge, Ohio Junior Academy of Science, District 5 Western Reserve**
  - *Evaluated poster presentations in fields of medical science and biochemistry*
- 2006-2009
  - **American Medical Student Association (AMSA), St. George's University**
  - *Organized monthly health fairs for the Grenadian community*
  - *Performed physical examinations, provided medications and arranged routine medical care*
  - *Chaired pharm-free lunchtime discussions*
  - *Coordinated monthly Red Cross Blood Drive on campus*

### **Athletic Team and Event Coverage**

---

- 2015-2018                      Head Team Physician, Varsity Football Long Reach High School
- 2013-2015                      Head Team Physician, Varsity Football Glenelg High School

### **Hobbies**

---

Mountain biking, Soccer, Running, Hiking