

## CURRICULUM VITAE

# Byung Joo “BJ” Lee

### Education

- Undergraduate: Stanford University, Stanford, CA  
B.S., Biological Sciences, 1998-2002
- Medical School: Stanford University School of Medicine, Stanford, CA  
M.D., Bioengineering Scholarly Concentration, 2003-3007

### Postgraduate training

- Internship: Warren Alpert Medical School of Brown University, Providence, RI  
Department of Surgery  
Chairman: William Cioffi, MD  
Program Director: David Harrington, MD  
2007-2008
- Residency: Warren Alpert Medical School of Brown University, Providence, RI  
Department of Orthopaedic Surgery  
Chairman: Michael Ehrlich, MD  
Program Director: Christopher DiGiovanni, MD  
2008-2011
- Chief Resident: Warren Alpert Medical School of Brown University, Providence, RI  
Department of Orthopaedic Surgery  
Chairman: Michael Ehrlich, MD  
Program Director: Christopher DiGiovanni, MD  
2011-2012
- Trauma Fellowship: Warren Alpert Medical School of Brown University, Providence, RI  
Department of Orthopaedic Surgery  
Division of Orthopaedic Trauma  
Chairman: Michael Ehrlich, MD  
Fellowship Director: Christopher Born, MD  
2012-2013
- Hand Fellowship: University of Chicago Medical Center, Chicago, IL  
Department of Orthopaedic Surgery and Rehabilitation Medicine  
Division of Hand and Upper Extremity  
Fellowship Director: Daniel Mass, MD  
2013-14

### Professional Societies

American Academy of Orthopaedic Surgeons (AAOS) resident member 2007-present

## **Board Certification**

ABOS Part I – pass, 2012

### **USMLE**

Step 3 – pass, 2008

Step 2 CS – pass, 2007

Step 2 CK – pass, 2007

Step 1 – pass, 2005

## **Academic Honors/Activities**

American Society for Surgery of the Hand/American Foundation for Surgery of the Hand Meeting Scholarship, Rosemont, IL, 2011

American Orthopaedic Association Emerging Leaders Program, Rosemont, IL 2011-present

American Orthopaedic Association Resident Leadership Forum, Rosemont, IL, 2011

Chief Resident for Quality Assurance, Department of Orthopaedic Surgery, Warren Alpert Medical School of Brown University, Providence, RI, 2011-2012

Tylenol Scholarship, McNeil Consumer Healthcare, Fort Washington, PA, 2006

Director, Green Team, Stanford, CA, 2003-2005

President (founder), Orthopedic Surgery Interest Group, Stanford, CA, 2004-2005

KSEA Scholarship, Korean-American Scientists and Engineers Association, Vienna, VA, 2005

Class Representative, Stanford Medical Student Association, Stanford, CA, 2004-2005

Teaching Assistant, Department of Biological Sciences, Stanford University, Stanford, CA, 2004

Korean Honor Scholarship. Korean Embassy, Washington D.C., 2004

## **Work Experience**

Research Assistant, Stanford University School of Medicine, Department of Medicine, Division of Immunology, Stanford, CA, 2002-2003

Sports Medicine Intern, Stanford University, Stanford, CA, 2000-2001

Research Intern, Genentech Inc, South San Francisco, CA, 2001

Research Intern, Roche Bioscience, Palo Alto, CA, 2000

## Publications

1. Behrens SB, Lee BJ, Paller DA, Hoffman E, Heard W, Monchik KO, Fadale PD. Mechanical Properties of Revision ACL Reconstruction. *Journal of Knee Surgery*. In press
2. Lee BJ, Christino MA, Daniels AH, Hulstyn MJ, Ebersson CP. Adolescent Patellar Osteochondral Fracture following Dislocation. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2013 Aug; 21(8):1856-61
3. Behrens SB, Drakos M, Lee BJ, Paller DA, Hoffman E, Koruprolu S, DiGiovanni CW. A Biomechanical Analysis of Brostrom Versus Brostrom-Gould Lateral Ankle Instability Repairs. *Foot and Ankle International*. 2013 Apr; 34(4):587-92
4. Lee BJ, Sawyer GA, Dasilva M. Methylene blue enhanced arthroscopic resection of dorsal wrist ganglions. *Techniques in Hand and Upper Extremity Surgery*. 2011 Dec; 15(4):243-6
5. Sawyer GA, Lee BJ, Dasilva M. Arthroscopic treatment of concomitant medial and lateral epicondylitis. *Techniques in Shoulder and Elbow Surgery*. In press
6. Mishra A, Tummala P, King A, Lee B, Kraus M, Tse V, Jacobs CR. Buffered Platelet-Rich Plasma Enhances Mesenchymal Stem Cell Proliferation and Chondrogenic Differentiation. *Tissue Engineering Part C Methods*. 2009 Sep; 15(3):431-5
7. Ho PP, Fontoura P, Platten M, Sobel RA, Devoss JJ, Lee LY, Kidd BA, Tomooka BH, Capers J, Agrawal A, Gupta R, Zernik J, Yee MK, Lee BJ, Garren H, Robinson WH, Steinman L. A suppressive oligodeoxynucleotide enhances the efficacy of myelin cocktail/IL-4 tolerizing DNA vaccination and treats autoimmune disease. *Journal of Immunology*. 2005 Nov 1; 175(9): 6226-34
8. Hueber W, Kidd BA, Tomooka BH, Lee BJ, Bruce B, Fries JF, Soderstrup G, Monach P, Drijfhout JW, van Venrooij WJ, Utz PJ, Genovese MC, Robinson WH. Antigen microarray profiling of autoantibodies in rheumatoid arthritis. *Arthritis and Rheumatism*. 2005 Sep; 52(9): 2645-55
9. Fontoura P, Ho PP, DeVoss J, Zheng B, Lee BJ, Kidd BA, Garren H, Sobel RA, Robinson WH, Tessier-Lavigne M, Steinman L. Immunity to the extracellular domain of Nogo-A modulates experimental autoimmune encephalomyelitis. *Journal of Immunology*. 2004 Dec 1; 173(11):6981-92.
10. Robinson WH, Fontoura P, Lee BJ, De Vegvar HE, Tom J, Pedotti R, DiGennaro CD, Mitchell DJ, Fong D, Ho PP, Ruiz PJ, Maverakis E, Stevens DB, Bernard CC, Martin R, Kuchroo VK, Van Noort JM, Genain CP, Amor S, Olsson T, Utz PJ, Garren H, Steinman L. Protein microarrays guide tolerizing DNA vaccine treatment of autoimmune encephalomyelitis. *Nature Biotechnology*. 2003 Sep, 21(9):1033-1039

## Regional and National Presentations

1. Lee BJ, Koruprolu S, Rich R, Paller DA, Weiss AP. The Effect of Iatrogenic Osteochondral Defects on Scaphoid Contact Biomechanics. American Society for Surgery of the Hand Resident and Fellows Conference. San Francisco, CA. October 2013
2. Lee BJ, Kane P, Vopat B, Gallacher S, Destefano S, Fava J, Green A. Risk Factors for Infection after Rotator Cuff Repair: a Case Controlled Study. American Academy of Orthopaedic Surgery Annual Meeting. Chicago, IL. March 2013
3. Lee BJ, Koruprolu S, Paller DA, Weiss AP. The Effect of Iatrogenic Osteochondral Defects of the Scaphoid on Radioscaphoid Contact Biomechanics. American Society for Surgery of the Hand Annual Meeting. Chicago, IL. September 2012
4. Kane P, Vopat B, Got C, Lee BJ, Crisco JJ. The Effect of Supination and Pronation on Dart Thrower's Motion. American Society for Surgery of the Hand Resident and Fellow's Conference. Chicago, IL. September 2012
5. Lee BJ, Kane P, Vopat B, Gallacher S, Destefano S, Fava J, Green A. Risk Factors for Infection after Rotator Cuff Repair: a Case Controlled Study. American Shoulder and Elbow Society Closed Meeting. Sea Island, GA. October 2012
6. Lee BJ, Kane P, Ladd AL, Weiss AP. Distal Radius Fracture Stabilization with Intra-fracture Wrist Fixation Screw: A Biomechanical Study. Combined Meeting of the American Society for Surgery of the Hand and Australian Hand Surgery Society. Koloa, Kauai, Hawaii. March 2012.
7. Lee BJ, Christino M, Daniels A, Ebersson CP. Pediatric Patellar Osteochondral Fracture following Dislocation. Arthroscopy Association of North America Annual Meeting. Orlando, FL. May 2012
8. Sawyer GA, Lee BJ, Ramos P, Dasilva M. Arthroscopic treatment of concomitant medial and lateral epicondylitis. Techniques in Shoulder and Elbow Surgery. Arthroscopy Association of North America Annual Meeting. Orlando, FL. May 2012
9. Lee BJ, Kane P, Ladd AL, Weiss AP. Distal Radius Fracture Stabilization with Intra-fracture Wrist Fixation Screw: A Biomechanical Study. AO North America Meeting. Lake Buena Vista, FL. February 2012
10. Lee BJ, Cote MA, Bruce BG, Blaine TA. Platelet Rich Plasma Stimulation in Human Subacromial Bursal Cells. Orthopaedic Research Society Annual Meeting. San Francisco, CA. February 2012
11. Bruce BG, Lee BJ, Blaine TA, Green A. Early Complications of Anatomic Arthroplasty Outcomes. American Academy of Orthopaedic Surgeons Annual Meeting. San Francisco, CA. February 2012
12. Lee BJ, Christino M, Daniels A, Ebersson CP. Pediatric Patellar Osteochondral Fracture following Dislocation. Eastern Orthopaedic Association Annual Meeting. Williamsburg, VA. October 2011
13. Lee BJ, Cote MA, Bruce BG, Blaine TA. Platelet Rich Plasma Derived Growth Factor (PDGF and TGF-b) Stimulation of Inflammation in Human Subacromial Bursal Cells. Closed Meeting of American Shoulder and Elbow Surgeons. Sulphur Springs, WV. October 2011

14. Green A, Bruce BG, Lee BJ, Blaine TA. Early Complications of Anatomic Arthroplasty Outcomes. Closed Meeting of American Shoulder and Elbow Surgeons. Sulphur Springs, WV. October 2011
15. Behrens SB, Drakos M, Lee BJ, Paller DA, Hoffman E, Koruprolu S, DiGiovanni CW. A Biomechanical Analysis of Brostrom Versus Brostrom-Gould Lateral Ankle Instability Repairs. International Federation of Foot and Ankle Societies Triennial Meeting. Nara, Japan (accepted but cancelled due to earthquake). September 2011
16. Lee BJ, Kenniston J, Schmidt S, DaSilva M, Katarincic J. High pressure molten metal injury to the hand: a case report. Adrian E. Flatt Resident and Fellows Conference in Hand Surgery. Las Vegas, NV. September 2011
17. Behrens SB, Drakos M, Lee BJ, Paller DA, Hoffman E, Koruprolu S, DiGiovanni CW. A Biomechanical Analysis of Brostrom Versus Brostrom-Gould Lateral Ankle Instability Repairs. American Orthopaedic Society for Sports Medicine Annual Meeting. San Diego, CA. July 2011
18. Behrens SB, Drakos M, Lee BJ, Paller DA, Hoffman E, Koruprolu S, DiGiovanni CW. A Biomechanical Analysis of Brostrom Versus Brostrom-Gould Lateral Ankle Instability Repairs. American Orthopaedic Foot and Ankle Society Annual Meeting. Keystone, CO. July 2011
19. Lee BJ. Dupuytren's Contracture. Grand Rounds, Department of Orthopaedics, Rhode Island Hospital, Providence, RI. June 2011
20. Mishra AK, Tummala P, Lee BJ, Jacobs C. Buffered Platelet Rich Plasma Enhances Mesenchymal Stem Cell Proliferation. American Academy of Orthopaedic Surgeons Annual Meeting. San Francisco, CA. Feb 2007
21. Synovial proteome microarrays identify deiminated proteins as targets of the autoantibody response in rheumatoid arthritis. Lee BJ, Kidd B, Toomoka B, Bruce B, Fries J, van Venrooij W, Utz PJ, Genovese M, Robinson WH. Stanford Medical Student Research Symposium. May 2004
22. Tolerizing DNA vaccines encoding type II collagen reduce the incidence and severity of collagen-induced arthritis. Lee BJ, Tom J, Digenarro C, Adraktas D, Steinman L, Utz PJ, Robinson WH. Arthritis Foundation Research Conference. Keystone, CO. June 2003

## **Grant Support**

1. PI: Lee, BJ. American Foundation for Surgery of the Hand Basic Science Grant. Effect of iatrogenic scaphoid defects on secondary radioscaphoid and scaphotrapezoidal arthritis. \$20,000. 2011
2. Lee, BJ. Orthopaedic Research and Education Foundation Journal Club Grant. \$2000. 2011
3. PI: Lee, BJ. RIH Orthopedic Foundation. The effect of PRP-derived growth factors on inflammation in the human subacromial bursa. 2011
4. PI: Lee, BJ. Stanford University Medical Scholars. Profiling Autoantibodies in Psoriasis. 2004