

MICHAEL B ELLMAN, MD

CURRICULUM VITAE

Michael B. Ellman, MD
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EMPLOYMENT / TRAINING

Panorama Orthopedics & Spine Center	2014 – Present
<ul style="list-style-type: none">• Orthopedic Surgeon• Sports Medicine, Hip Arthroscopy• Golden, Colorado	
The Steadman Clinic – Steadman-Philippon Research Institute	2013 – 2014
<ul style="list-style-type: none">• Vail, Colorado• Fellow Physician, Orthopedic Sports Medicine	
Rush University Medical Center, Department of Orthopedic Surgery	2008 - 2013
<ul style="list-style-type: none">• Chicago, IL• Resident Physician	
University of Michigan Medical School	2003-2008
<ul style="list-style-type: none">• Ann Arbor, MI• Doctor of Medicine• La Universidad de Guadalajara, Guadalajara, MX; Medical Spanish Course, Summer 2004• Rush University Medical Center, Department of Biochemistry, Research Fellow, 2007-2008	
University of Michigan - Undergraduate Studies	1998-2002
<ul style="list-style-type: none">• Ann Arbor, Michigan• B.S., Biopsychology; Graduated with Honors (3.95 GPA)• Study Abroad Program via UW-Platteville in <i>Seville, Spain</i>, Spring 2001	

MEMBERSHIPS/LICENSURES

American Orthopedic Society for Sports Medicine, Member	2013-14
American Academy of Orthopedic Surgeons, Member	2009-2014
American Journal of Orthopedics - Advisory Board Member	2013-2014
American Board of Orthopedic Surgery – Part I Pass	2013
USMLE – Passed Steps 1, 2, & 3	2006-2009
Golden Key National Honor Society	1998-2002

TEAM COVERAGE

Major League Lacrosse – Denver Outlaws	2014
<ul style="list-style-type: none">• Co-Team Physician, Panorama Orthopedics Sports Medicine• Denver, CO	

Men's Varsity Football – Golden High School	2014
• Golden, Colorado	
United States Olympic Ski Team – 2014 Winter Olympics Training	2013-2014
• La Parva, Chile	
• Copper Mountain, CO	
FIS Alpine Ski World Cup Championship Tour	2013
• Beaver Creek, CO	
United States Olympic Snowboard Team – 2014 Winter Olympics Boarder X Training	2013
• Sölden, Austria	
• Vail, CO	
NCAA Division I Women's Hockey Tournament	2013
• Vail, CO	
United States Pro Cycling Challenge	2013
• Vail, Colorado	
Men's Varsity Football – Eagle Valley High School	2013
• Vail, Colorado	
Chicago Steel Men's Hockey Team, United States Hockey League	2010-2012
• Bensenville, IL	
Chicago Bulls, National Basketball Association	2010-2012
• Resident Physician	
• Chicago, IL	
Chicago White Sox, Major League Baseball	2010-2012
• Resident Physician	
• Chicago, IL	
Men's Varsity Football – Morton High School, Hope Academy High School	2009-2012
• Chicago, IL	
NCAA Varsity Women's Soccer – DePaul University	2010
• Chicago, IL	

HONORS/AWARDS / LEADERSHIP

American Academy of Orthopaedic Surgery Baxter Healthcare Scholarship	July 2012
• Hip Preservation in the Adolescent and Young Adult	Rosemont, IL
• Awarded for excellence in research in the of field hip preservation surgery	
Dean's Commendation for Excellence in Clinical Skills and the Art of Medicine	2009
University of Michigan Medical School Intramural Sports Chairman, Captain	2005-2007
• Flag football, 3-on-3 basketball, 5-on-5 basketball, softball, broomball	
Award for Clinical Excellence in Medical Spanish, Guadalajara, Mexico	2004
Demigod of Dissection, University of Michigan Medical School	2003
• Awarded to Top Anatomy Student in Medical School Class	
Class Honors, University Honors; University of Michigan	1999-2002
James B. Angell Scholar, University of Michigan	2002
Phi Beta Kappa Honor Society; University of Michigan	2002
Golden Key National Honor Society; University of Michigan	2001
Ken Fish Award; Andover High School, Bloomfield Hills, Michigan	1997
• Awarded to top-ranked all-academic varsity football player	

PEER-REVIEWED PUBLICATIONS

1. Muddasani P, Norman JC, **Ellman M**, van Wijnen AJ, Im HJ. Basic fibroblast growth factor activates the MAPK and NFkappaB pathways that converge on Elk-1 to control production of matrix metalloproteinase-13 by human adult articular chondrocytes. *Journal of Biological Chemistry* 2007;282(43):31409-21. PMID: 17724016.
2. Im HJ, Li X, Muddasani P, Kim GH, Rangan J, Forcyte C, **Ellman M**, Thonar E. Basic fibroblast growth factor accelerates matrix degradation via a neuro-endocrine pathway in human adult articular chondrocytes. *Journal of Cellular Physiology* 2008;215(2):452-63. PMID: 2893571.
3. **Ellman MB**, An HS, Muddassani P, Im HJ. Biological impact of the fibroblast growth factor family on articular cartilage and intervertebral disc homeostasis. *Gene* 2008; 420(1):82-9. PMID: 2525607.
4. Li X, An HS, **Ellman M**, Phillips FM, Thonar E, Park D, Udayakumar RK, Im HJ. The action of FGF-2 on the intervertebral disc. *Arthritis Research & Therapy* 2008;10:R48. PMID: 2453768.
5. Li X, Phillips FM, An HS, **Ellman M**, Thonar E, Wu W, Park D, Im HJ. The action of resveratrol, a phytoestrogen found in grapes, on the intervertebral disc. *Spine* 2008; 33(24):2586-95. PMID: 19011540.
6. Li X, **Ellman M**, Muddasani P, Davis F, Wang JHC, van Wijnen AJ, and Im HJ. PGE2 and its cognate EP2 receptors control human adult articular cartilage homeostasis and are linked to the pathophysiology of osteoarthritis. *Arth & Rheum* 2009;60(2):513-23. PMID: 2659545.
7. Kim J, **Ellman MB**, An HS, Im HJ. Insulin-like growth factor-1 synergizes with bone morphogenetic protein 7-mediated anabolism in bovine intervertebral disc cells. *Arth & Rheum* 2010; 62(12): 3706. PMID: 2995823.
8. **Ellman MB**, Gregory JM, Bhatia S, Hsu A, Ghodadra N, Provencher MT, Romeo AA. An Evidence-Based Review of the Etiology, Classification, Diagnosis, and Treatment of Rotator Cuff Tears. *Minerva Ortopedica e Traumatologica* 2011;62:89-108.
9. **Ellman MB**, Levine B. Fracture of the modular femoral neck component in total hip arthroplasty. *J Arthroplasty*. July 2011. PMID 21798696. *Epub ahead of print*.
10. **Ellman MB**, Levine B. Letter to the Editor – In Reply, Re: Fracture of the modular femoral neck in total hip arthroplasty. *Journal of Arthroplasty*. September 2011. PMID 22197288. *Epub ahead of print*.
11. **Ellman MB**, Kim J, An HS, Kroin J, Li X, Chen D, Yan D, Buechter DD, Nakayama K, Liu B, Morganand S, Im HJ. The pathophysiological role of the PKC δ pathway in the intervertebral discs of rabbits and mice: in vitro, ex vivo, and in vivo studies. *Arth & Rheum* 2011; 64(6):1950-9. PMID 22161873.
12. **Ellman MB**, Mather C, Sherman SL, Bach Jr, BR. Advances in anterior cruciate ligament reconstruction: a quarter century of innovation at RUSH. *Rush Orthopaedic Journal* 2011: 20-26.
13. Kim J, **Ellman MB**, An HS, Yan D, van Wijnen AJ, Murphy G, Hoskin DW, Im HJ. Lactoferricin mediates anabolic and anti-catabolic effects in the intervertebral disc. *J Cell Phys* 2012; 227(4): 1512-20. PMID: 21678402.
14. **Ellman MB**, Kim JS, An J, Chen D, Ranjan KC, An J, Dittakavi T, van Wijnen A, Cs-Szabo G, Li X, Xiao G, An S, Kim S-G, Im H-J. Toll-like receptor adaptor signaling molecule MyD88 on intervertebral disc homeostasis: *in vitro*, *ex vivo* studies. *Gene* 2012; 505(2):283-90. PMID: 22692007.
15. Im HJ, Li X, Chen D, Yan D, Kim J, **Ellman MB**, Stein GS, Cole BJ, Ranjan KC, Cs-Szabo G, van Wijnen AJ. Biological effects of the plant-derived polyphenol resveratrol in human articular cartilage and chondrosarcoma cells. *J Cell Phys* 2012; 227(10):3488-91. PMID: 22252971.
16. Li X, **Ellman MB**, Kroin JS, Chen D, Yan D, Mikecz K, Ranjan KC, Xiao G, Kim SG, Cole BJ, Im H-J. Species-specific biological effects of FGF-2 in articular cartilage: Implication for distinct roles within the FGF receptor family. *J Cell Biochem* 2012; 113(7):2532-42. PMID: 22415882.
17. Chalmers P, **Ellman MB**, Chahal J, Verma NN. Injection therapy in the management of musculoskeletal injuries of the knee. *Oper Tech in Sports Med* 2012; 20(2):172-184.
18. Bhatia S, Hsu, A, Lin E, Chalmers P, **Ellman MB**, Cole BJ, Verma N. Surgical treatment options for the young and active middle-aged patient with glenohumeral arthritis. *Adv in Orthopaedics* 2012; PMID: 22536515.
19. **Ellman MB**, Yan D, Ahmadinia K, Im H-J. Fibroblast growth factor control of cartilage homeostasis. *J Cell Biochem* 2013; 114:735-742. PMID 23060229.
20. Gross C, Chalmers P, **Ellman MB**, Fernandez J, Verma NN. Acute brachial plexopathy after clavicle open reduction internal fixation. *JSES* 2013; 22:6-9. PMID 23522601.

21. Kim JS, **Ellman MB**, Yan D, An HS, Li X, Chen D, Cs-Zabo G, Hoskin D, Buechter D, Van Wijnen A, Im H-J. Lactoferricin mediates anti-inflammatory and anti-catabolic effects in the intervertebral disc. *J Cell Phys* 2013; 227(4):1512-20. PMID 23460134.
22. **Ellman MB**, Kim J, An HS, Chen D, Ranjan KC, Li X, Xiao G, Yan D, Suh J, van Wijnen AJ, Wang JCH, Yan D, Kim S-G, Im H-J. Lactoferricin enhances BMP7-stimulated anabolic pathways in intervertebral disc cells. *Gene* 2013. PMID 2364413.
23. **Ellman MB**, Yanke A, Juhan T, Verma NN, Nicholson GP, Bush-Joseph C, Bach BR Jr., Romeo AA. Open repair of an acute latissimus rupture in a Major League Baseball pitcher. *JSES* 2013. 22(7):19-23. PMID 23706873.
24. **Ellman MB**, Yanke A, Juhan T, Verma NN, Nicholson GP, Bush-Joseph C, Romeo AA. Open repair of retracted latissimus dorsi tendon avulsion. *Amer J Ortho* 2013 42(6):280-285. PMID 23805423.
25. Lee A, **Ellman MB**, Yan D, Chen D, Kroin J, Cole BJ, van Wijnen AJ, Im H-J. A current review of molecular mechanisms regarding osteoarthritis and pain. *Gene* 2013. PMID 23830938.
26. Dhawan A, Mather III RC, Karas V, **Ellman MB**, Young BB, Bach BR Jr, Cole BJ. An epidemiological analysis of nonoperative treatment modalities in the management of osteoarthritis of the knee. *J Arthroscopy* 2014. 30(1):65-71. PMID: 24290788.
27. Bhatia S, LaPrade CM, **Ellman MB**, LaPrade RF. Current concepts: Meniscal root tears: significance, diagnosis, and treatment. *AJSM* 2014. PMID: 24623276.
28. **Ellman MB**, LaPrade CM, James E, LaPrade RF. Anterior meniscal root avulsion following intramedullary nail for a tibial shaft fracture. *KSSTA* 2014. PMID 24643359.
29. **Ellman MB**, LaPrade CM, Smith S, Rasmussen M, Engebretsen L, Wijdicks CA, LaPrade RF. Structural properties of the meniscal roots. *AJSM* 2014. PMID 24799425.
30. LaPrade CM, **Ellman MB**, Rasmussen M, James E, Wijdicks CA, Engebretsen L, LaPrade RF. Anatomy of the anterior attachments of the medial and lateral menisci: a qualitative analysis. *AJSM* 2014. PMID 25106782.
31. James EW, LaPrade CM, **Ellman MB**, Wijdicks CA, Engebretsen L, LaPrade RF. Radiographic identification of the anterior and posterior root attachments of the medial and lateral menisci. *AJSM* 2014. PMID 25143488.
32. Cerminara A, LaPrade CM, Smith S, **Ellman MB**, Wijdicks CA, LaPrade RF. Biomechanical evaluation of a transtibial pull-out meniscal root repair: challenging the bungee effect. *AJSM* 2014. *In press*.
33. Erickson BJ, Harris JD, Frank RM, Fillingham YA, **Ellman MB**, Bach Jr BR, Verma NN, Cole BJ. Performance and return-to-sport after ACL reconstruction in National Hockey League players. *OJSM* 2014. *In press*.
34. LaPrade RF, LaPrade CM, **Ellman MB**, Turnbull T, Cerminara AJ, Wijdicks CA. Cyclic displacement of four meniscus-suture fixation techniques in allograft quality human tissue: a biomechanical evaluation. *AJSM* 2014. *In revision*.
35. **Ellman MB**, Sherman SL, Forsythe B, LaPrade RF, Cole BJ, Bach Jr BR. Return to play following anterior cruciate ligament reconstruction. *JAAOS* 2013. *In revision*.
36. Surowiec RK, James E, **Ellman MB**, Gatlin C, LaPrade RF, Ho CP. Systematic technique dependent differences in CT versus MRI measurement of the tibial tubercle trochlear groove (TTTG) distance. *AJSM* 2014. *In revision*.
37. Euler S, **Ellman MB**, Briggs K, Millett PM. Two-year outcomes of biceps tenodesis for chronic proximal long head of biceps tendon ruptures. *AJSM* 2014. *In revision*.
38. Philippon MJ, Rasmussen MT, Turnbull TL, Tindade CAC, Hamming MG, **Ellman MB**, Harris M, LaPrade RF, Wijdicks CA. Structural properties of the native ligamentum teres. *AJSM* 2014. *In revision*.
39. LaPrade MD, LaPrade CM, Hamming M, **Ellman MB**, Turnbull T, Rasmussen M, LaPrade RF, Wijdicks CA. Effects of intramedullary tibial nailing on structural properties of the anterior medial meniscal root: is the safe zone really safe? *KSSTA* 2014. *In revision*.
40. Surowiec RK, **Ellman MB**, Ho CP, LaPrade RF, Philippon M. Arthroscopically identified femoral head stippling in patients undergoing hip arthroscopy: evaluation of conventional MRI and T2 mapping. *AJSM* 2014. *In process*.
41. Ahmadinia K, Yan D, **Ellman MB**, Im H-J. The effects of bovine lactoferricin in human articular cartilage and the intervertebral disc. *Biomolecular Concepts* 2013. *Submitted*.
42. KC Ranjan, **Ellman MB**, Li X, Voigt R, Keshavarzian A, Forsyth CB, Chen D, Im HJ. Chronic alcohol consumption increases susceptibility to osteoarthritis. *Arth & Rheum* 2013. *Submitted*.
43. Im H-J, KC Ranjan, **Ellman MB**, Voigt R, Li X, Summa KC, Forsythe CB, Chen D, Xiao G, Suh J, Ali M. Disruption of circadian rhythm induces pathological changes in joints. *Nature* 2013. *In process*.

44. Sherman S, **Ellman MB**, Bush-Joseph C, Cole BJ, Bach Jr. BR. Pre-preparation and injury assessment of the downed athlete. Recommendations for same day return to play. J Amer Acad of Ortho Surg. *In process*.
45. Sherman, **Ellman MB**, Bush-Joseph C, Cole BJ, Bach Jr. BR. On Field Management of Upper and Lower Extremity Injuries with Focus on Same Day Return to Play. J Amer Acad of Ortho Surg. *In process*.
46. Muddasani P, Li X, Alper S, **Ellman MB**, Davis F, Im HJ. Lactoferricin, an antimicrobial peptide, inhibits catabolic cytokine-mediated cartilage degeneration in human articular chondrocytes. Arth & Rheum. *In process*.
47. Lin EC, **Ellman MB**, Yanke A, Shewman E, Dhawan A, Garbis N, Bach BR Jr, Verma N. Biomechanical Evaluation of Different Bony Substrates for Soft Tissue Grafts in ACL Reconstruction: Comparison of Bovine, Porcine, Sawbone, and Human Models. AJSM. *In process*.
48. Forsythe B, **Ellman MB**, Frank R, Shershon B, Verma NN, Bach BR Jr. Arthroscopic PCL reconstruction with Achilles tendon bone block allograft: optimization of femoral footprint coverage. JBJS. *In process*.
49. Sherman SL, **Ellman MB**, Gray A, LaPrade CM, LaPrade RF, Smith P. The team physician: preparation and emergency assessment of the downed athlete. JAAOS. *In process*.

NON PEER-REVIEWED PUBLICATIONS

1. Park DK, Khurana N, **Ellman MB**, Singh K. Perioperative complications in lumbar spine surgery. Contemporary Spine Surgery 2009;10(3): 1-6.
2. Yanke AB, **Ellman MB**, Sherman SL, Bach BR Jr. Graft-Tunnel Mismatch in Bone-Tendon-Bone ACL Reconstruction. Techniques in Orthopaedics 2012;27(2):153-7.

WEB-BASED JOURNAL ARTICLES

1. Bhatia S, **Ellman MB**, Ghodadra N, Provencher MT, Romeo AA. Osteoarthritis, Aging and Inflammation. Orthopaedics Hyperguide. Feb 2011.
2. **Ellman MB**, Frank R, Bhatia S, Bach Jr BR. Chapter 14: Outpatient ACL Surgery: Is it safe? In Sanchis-Alfonso V, Monllau J.C. (Ed.), *Ebook: The ACL-Deficient Knee: An Approach Based on Problems Resolution*, Springer London 2013. 159-167.

VIDEO PRESENTATIONS

1. Euler S, **Ellman MB**, Warth R, Millett PJ. Arthroscopic treatment of calcific tendinitis. AAOS Video Presentation, 2015. *Submitted*.
2. Euler S, **Ellman MB**, Warth R, Millett PJ. Biceps Tenodesis for treatment of chronic proximal long head of biceps tendon ruptures. AAOS Video Presentation, 2015. *Submitted*.
3. Warth R, **Ellman MB**, Millett PJ. Rotator Cuff Tear Patterns: Recognition and Treatment. AAOS Video Presentation, 2015. *Submitted*.

BOOKS AND BOOK CHAPTERS

1. Park DK, **Ellman M**, An HS. Chapter 101: Biological Therapy for Disc Degeneration. The Cervical Spine 5th edition. Lippincott Williams & Wilkins 2009.
2. **Ellman MB**, Rosenthal M, Van Thiel G, Sherman S, Provencher M. Chapter 3: Rehabilitation of Revision ACL Reconstruction. In Manske RC (ed.), Current Concepts in Evaluation, Examination and Rehabilitation of the Knee. <http://www.spts.org/home-study-courses/course-list/the-knee-2011>.
3. **Ellman MB**, Yan D, Im H-J. Biochemical markers in pain and pathophysiology of osteoarthritis. In Rothschild, B. (Ed.), Principles of Osteoarthritis. InTech, 2012.

4. Park DK, **Ellman MB**, Singh K, An HS. The Future: Disc Regeneration and Other Technologies. In Bridwell K, Kuklo T (Ed.), Textbook of Operative Spinal Surgery, 3rd edition. Lippincott Williams & Wilkins, May 2011. *In press*.
5. Gregory JM, **Ellman MB**, Chalmers P, Ghodadra N, Romeo AA. Anterior Shoulder Instability – Arthroscopic Repairs. In Iannotti J, Miniaci A, Williams G, Zuckerman J (Ed.), Disorders of the Shoulder: Diagnosis and Management, 3rd Ed. Philadelphia, PA: Lippincott Williams & Wilkins, 2011. *In Press*.
6. **Ellman MB**, Nho S. Acromioclavicular Joint Injuries. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
7. **Ellman MB**, Nho S. SLAP Injuries. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
8. **Ellman MB**, Nho S. Internal Impingement in the overhead throwing athlete. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
9. **Ellman MB**, Lee S. Fifth Metatarsal Fractures. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
10. **Ellman MB**, Lee S. Achilles tendon injuries. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
11. **Ellman MB**, Lee S. Talus Fractures. In Levine, B. (Ed.), Acing the Boards. Slack Inc, 2011. Submitted.
12. **Ellman MB**, LaPrade R. Current concepts in the treatment of PCL injuries. In: Sports Injuries. Springer Inc, 2013. *In press*.
13. **Ellman MB**, Bush-Joseph C. Patient evaluation: history and physical examination. In: Cole BJ, Harris J (Ed.), Biologic Knee Reconstruction: A surgeon's guide. Slack Inc, 2014. *Submitted*.

ABSTRACTS / PRESENTATIONS

1. **Ellman MB**, Li X, Park D, Davis F, An HS, Hee-Jeong Im. PKCdelta pathway on intervertebral disc homeostasis. Orthopaedic Research Society (ORS), 54th Annual Meeting; March 2008, San Francisco, CA. Poster.
2. Li X, Muddasani P, Davis F, **Ellman MB**, Park D, Im HJ. Stimulation of matrix formation by natural antioxidant (resveratrol) on human adult articular cartilage. Orthopaedic Research Society (ORS), 54th Annual Meeting; March 2008, San Francisco, CA. Poster.
3. Muddasani P, **Ellman MB**, Park SY, Mondal S, Im HJ. Chondroprotective effect of resveratrol on human articular cartilage. Segal North American Osteoarthritis Workshop II. May 2-4, 2008. Rush University School of Medicine, Chicago, Illinois. Poster.
4. **Ellman MB**, An HS, Kim J, Udayakumar R, Muddasani P, Mondal S, Park SY, Im HJ. The role of the PKCdelta pathway on intervertebral disc homeostasis. Segal North American Osteoarthritis Workshop II. May 2-4, 2008. Rush University School of Medicine, Chicago, Illinois. Poster.
5. **Ellman MB**, Im HJ, Kim J, An HS. The pathophysiological role of the PKCdelta pathway in the intervertebral disc. The International Society for the Study of the Lumbar Spine. May 4-8, 2009. Miami, Florida. Presentation.
6. **Ellman MB**. Inhibitor of PKCdelta pathway alleviates spine disc degeneration process. Department of Orthopaedic Surgery, Rush University Medical Center; June 2008, Chicago, IL. Presentation.
7. **Ellman MB**, An HS, Muddasani P, Phillips F, Udayakumar R, Im HJ. The Pathophysiological Role of PKCdelta Pathway in the Intervertebral Disc. North American Spine Society (NASS), 23rd Annual Meeting; October 2008, Toronto, CA. Presentation.
8. Li X, **Ellman MB**, An HS, Phillips F, Udayakumar R, Im HJ. Basic FGF antagonizes the activity of BMP7 in the intervertebral disc. North American Spine Society (NASS), 23rd Annual Meeting, October 2008, Toronto, CA. Presentation.
9. **Ellman MB**, Levine B. Modular Neck Failure in Total Hip Arthroplasty. Orthopaedic Surgery Department Grand Rounds, Rush University Medical Center, March 2009, Chicago, IL. Presentation.
10. **Ellman MB**, Kogan M. 15-year old male with hip pain – slipped capital femoral epiphysis. Thesis Day Presentation, Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 25, 2010.
11. **Ellman MB**, Phillips F. Post-traumatic junctional kyphosis. Orthopaedic Surgery Department Grand Rounds, Rush University Medical Center, Chicago, IL, November 2010.
12. Dhawan A, Mather III RC, Karas V, **Ellman MB**, Bach BR Jr., Cole B. An epidemiological analysis of nonoperative treatment modalities in the management of osteoarthritis of the knee. Rush Thesis Day, June 24, 2011.

13. Dhawan A, Mather III RC, Karas V, **Ellman MB**, Bach BR Jr., Cole B. An epidemiological analysis of nonoperative treatment modalities in the management of osteoarthritis of the knee. AOSSM Specialty Day, Feb 2012, San Francisco, CA. Poster
14. Lin EC, **Ellman MB**, Yanke A, Shewman E, Dhawan A, Garbis N, Bach BR Jr, Verma N. Biomechanical Evaluation of Different Bony Substrates for Soft Tissue Grafts in ACL Reconstruction: Comparison of Bovine, Porcine, Sawbone, and Human Models. AOSSM Specialty Day, Feb 2012, San Francisco, CA. Poster
15. **Ellman MB**, Kim J, Li X, Kroin JS, Zheng Q, An HS, Cs-Szabo G, Chen D, Ding M, Pratap J, van Wijnen AJ, Im HJ. Pathophysiological role of the PKCdelta- Runx2 axis in spondylosis: *in vitro* and *in vivo* studies. Orthopaedic Research Society (ORS), 58th Annual Meeting; March 2012, San Francisco, CA. Poster / Presentation.
16. **Ellman MB**, Nicholson G. Reverse total shoulder arthroplasty in the management of proximal humerus fractures. Orthopaedic Surgery Department Grand Rounds, Rush University Medical Center, Chicago, IL, October 2011.
17. **Ellman MB**, Li X, Kroin JS, Chen D, Yan D, Mikecz K, Ranjan KC, Xiao G, Kim SG, Cole BJ, Im H-J. Species-specific biological effects of FGF-2 in articular cartilage: Implication for distinct roles within the FGF receptor family. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
18. **Ellman MB**, Yanke A, Juhan T, Verma NN, Bush-Joseph C, Romeo AA. Open repair of retracted latissimus dorsi tendon avulsion: surgical technique. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
19. **Ellman MB**, Kim J, An HS, Yan D, van Wijnen AJ, Murphy G, Hoskin DW, Im HJ. Lactoferricin mediates anabolic and anti-catabolic effects in the intervertebral disc. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
20. **Ellman MB**, Kim J, Yan D, An HS, Chen D, Ranjan KC, Li X, Xiao G, Buechter DD, Yan D, Kim S-G, Im H-J. Lactoferricin enhances BMP7-mediated anabolism in the intervertebral disc. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
21. **Ellman MB**, Kim JS, Yan D, An HS, Li X, Chen D, Cs-Zabo G, Hoskin D, Buechter D, Van Wijnen A, Im H-J. Lactoferricin mediates anti-inflammatory and anti-catabolic effects via inhibition of IL-1 and LPS activity in the intervertebral disc. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
22. Im HJ, Li X, Chen D, Yan D, Kim J, **Ellman MB**, Stein GS, Cole BJ, Ranjan KC, Cs-Szabo G, van Wijnen AJ. Biological effects of the plant-derived polyphenol resveratrol in human articular cartilage and chondrosarcoma cells. 24th Annual Thesis Day: Rush University Medical Center Department of Orthopaedic Surgery, Chicago, IL, June 15, 2012. Abstract.
23. Dhawan A, Mather III RC, Karas V, **Ellman MB**, Bach BR Jr., Cole B. An epidemiological analysis of non-arthroplasty treatment of knee osteoarthritis. American Orthopaedic Association, 125th Annual Meeting; June 27, 2012, Washington, D.C., Special Emphasis Poster Presentation.
24. Kim JS, **Ellman MB**, Yan D, Ranjan KC, Li X, Suh J, An HS, Chen D, Xiao G, Cs-Zabo G, Hoskin D, Buechter D, Van Wijnen A, Im H-J. Lactoferricin mediates anti-inflammatory and anti-catabolic effects via inhibition of IL-1 and LPS activity in the intervertebral disc. Orthopaedic Research Society (ORS), Annual Meeting; January 2013, San Antonio, TX.
25. **Ellman MB**, Nho S. Piriformis and Deep Gluteal Space Syndrome. Orthopaedic Surgery Department Grand Rounds, Rush University Medical Center, Chicago, IL, June 2012.
26. **Ellman MB**. Latissimus tears in throwing athletes. 2nd Annual OREF/Andersson Lectureship; Guest Lecturer: James Andrews MD; Rush University Medical Center, August 17, 2012.
27. **Ellman MB**. "How to become an Orthopaedic Surgeon." Lake Zurich High School, presentation for Anatomy and Biology students; September 6, 2012.
28. Bhatia S, Saigal A, Hsu AR, **Ellman MB**, Bach BR Jr, Cole BJ, Romeo AA, Verma NN. Glenoid Diameter is an Inaccurate Method for Glenoid Bone Loss Quantification. Orthopaedics Today Annual Meeting, Jan 13-16, 2013, Big Island, HI. Presentation.
29. Bhatia S, Saigal A, Hsu AR, **Ellman MB**, Bach BR Jr, Cole BJ, Romeo AA, Verma NN. Glenoid Diameter is an Inaccurate Method for Glenoid Bone Loss Quantification. AANA Annual Meeting, April 25-27, 2013, San Antonio, TX. Poster.

30. **Ellman MB**, Cole BJ. Focal chondral defect in a thirty-year old male: Diagnosis and Treatment options. Orthopaedic Surgery Department Grand Rounds, Rush University Medical Center, Chicago, IL, May 2013.
31. **Ellman MB**, Ranjan KC, Li X, Voigt R, Summa K, Keshavarzian A, Turek F, Forsyth B, Im H-J. Chronic alcohol consumption increases susceptibility to osteoarthritis in an experimental mouse model. OREF/ORS Midwest Resident Research Symposium, May 17, 2013, Rush University Medical Center, Chicago, IL. Presentation.
32. **Ellman MB**, Ranjan KC, Li X, Yan D, Kim JS, Cole BJ, Im H-J. Biological effects of the plant-derived polyphenol resveratrol in human articular cartilage. 25th Annual Thesis Day, June 21, 2013, Rush University Medical Center, Chicago, IL. Presentation.
33. Forsythe B, Trella K, Tenuto F, McCormick F, **Ellman MB**, Shewman E, Verma NN, Bach Jr BR. Biomechanical evaluation of PCL reconstruction with quadriceps vs Achilles tendon bone-block allograft. 60th Annual ORS Meeting, March 12-15, 2014, New Orleans, LA. Poster.
34. Ranjan Kc, **Ellman MB**, Voigt R, Li X, Summa KC, Keshavarzian A, Turek FW, Forsyth CB, Chen D, Sampen H-J. Disruption of circadian rhythm in mice increases susceptibility to osteoarthritis. 60th Annual ORS Meeting, March 15-18, 2014. *NIRA Finalist*; Presentation.
35. Erickson BJ, Harris JD, Frank RM, Fillingham YA, **Ellman MB**, Bach Jr BR, Verma NN, Cole BJ. Performance and return-to-sport after ACL reconstruction in National Hockey League players. AAOS Annual Meeting, March 11-15, 2014, New Orleans, LA. *Submitted*.
36. Surowiec RK, James E, **Ellman MB**, Gatlin C, LaPrade RF, Ho CP. CT versus MRI for measurement of the tibial tubercle-trochlear groove (TT-TG) distance. ESSKA. *Submitted*.
37. Forsythe B, Trella K, Haro M, Shin J, Tenuto F, McCormick F, **Ellman MB**, Shewman E, Verma NN, Bach Jr BR. Biomechanical evaluation of PCL reconstruction with quadriceps vs Achilles tendon bone-block allograft. AOSSM 2014.
38. **Ellman MB**. Biologics: The role of growth factors in osteoarthritis. The Steadman Clinic Grand Rounds, Steadman Philippon Research Institute, Vail, CO, November 18, 2013.
39. **Ellman MB**, Euler S, Millett PM: Evaluation and Management of Calcific Tendinitis. AAOS Presentation 2014. *In process*.
40. **Ellman MB**, Euler S, Millett PM: Management of Complex Rotator Cuff Tears. AAOS Presentation 2014. *In process*.
41. LaPrade RF, James EW, Surowiec RK, Dornan GJ, **Ellman MB**, Gatlin C, Cram TR, Ho CP. CT versus MRI for measurement of the Tibial Tubercle Trochlear Groove (TTTG) distance. ESSKA 2014. *Submitted*.
42. Bhatia S, LaPrade CM, **Ellman MB**, LaPrade RF. Meniscal root tears: significance, diagnosis, and treatment. AAOS Scientific Exhibit 2015. *Submitted*.
43. Trindade CA, Philippon MJ, Rasmussen MT, Turnbull TL, Hamming MG, **Ellman MB**, Harris M, LaPrade RF, Wijdicks CA. Tensile properties of the ligamentum teres. ISHA Abstract 2014, AAOS Abstract 2015. *Submitted*.
44. Philippon MJ, Rasmussen MT, Turnbull TL, Tindade CAC, Hamming MG, **Ellman MB**, Harris M, LaPrade RF, Wijdicks CA. Structural properties of the native ligamentum teres. ISAKOS Abstract 2015. *Submitted*.
45. LaPrade MD, LaPrade CM, Hamming M, **Ellman MB**, Turnbull T, Rasmussen M, LaPrade RF, Wijdicks CA. Effects of intramedullary tibial nailing on attachment area and failure strength of the anterior medial meniscal root: is the safe zone really safe? ORS Abstract 2015. *Submitted*.
46. LaPrade MD, LaPrade CM, Hamming M, **Ellman MB**, Turnbull T, Rasmussen M, LaPrade RF, Wijdicks CA. Effects of intramedullary tibial nailing on attachment area and failure strength of the anterior medial meniscal root: is the safe zone really safe? ISAKOS Congress Abstract 2015. *Submitted*.

GRANTS

1. Comparison of the Native Medial Meniscal Root Attachment Tensile Strength Versus the Tensile Strength of 3 in situ Medial Meniscal Root Repairs. Funded by Ceterix Orthopaedics; 2013-14.

COURSES / CONFERENCES

Vail International Complex Knee Symposium	2014
• Vail, CO	
Masters Hip Arthroscopy Course	2014
• Vail, CO	
American Academy of Orthopaedic Surgery - Annual Meeting	2014
• New Orleans, LA	
American Academy of Orthopaedic Surgery - Annual Meeting	2013
• Chicago, IL	
AAOS Hip Preservation in the Adolescent and Young Adult	2012
• Rosemont, IL	
AAOS Knee Injuries in Athletes: Getting Patients Back in the Game	2012
• Rosemont, IL	
Masters Shoulder Course – Arthroscopy Association of North America	2012
• Rosemont, IL	
Advanced Nailing & Percutaneous/MIPO Techniques	2012
• Fort Lauderdale, FL	
Resident Hip Arthroscopy Course	2011, 2012
• Rush University Medical Center, Chicago, IL	
Resident Knee Arthroscopy Course	2008, 2009, 2010, 2011, 2012
• Rush University Medical Center, Chicago, IL	
Resident Shoulder Arthroscopy Course	2009, 2010, 2012
• Rush University Medical Center, Chicago, IL	
Basic Resident Arthroscopy Course – Knee & Shoulder - AANA	2011
• Rosemont, IL	
AO Hand Trauma Course	2010
• Chicago, IL	

ADMINISTRATIVE SERVICE

Resident Selection Interview Committee	Chicago, IL
• Rush Department of Orthopaedic Surgery – Chief Resident Class Representative	2013
ACGME Resident Review Committee	Chicago, IL
• Rush Department of Orthopaedic Surgery – Resident Class Representative	2011
Orthopaedic Surgery Interest Group	Chicago, IL
• Member	2010
MedBuddy Program	Ann Arbor, MI
• Member	2006
American Medical Student Association	Ann Arbor, MI
• Member	2004
March of Dimes Student Organization	Ann Arbor, MI
• President	1998-2002

LOCAL AND NATIONAL VOLUNTEER SERVICE

Vail Valley High School & Middle School	Vail, CO
• Pre-participation sports physicals	2013
Rush Oak Park High School	Chicago, IL

<ul style="list-style-type: none"> • Pre-participation sports physicals 	2009-2012
Latin American Youth Center	Washington, D.C.
<ul style="list-style-type: none"> • Helped organize Christmas activities for underserved youth 	2009
HOPE clinic	Ypsilanti, MI
<ul style="list-style-type: none"> • Provided health care to underserved population 	2006
Common Ground Relief Effort	New Orleans, LA
<ul style="list-style-type: none"> • Provided aid in cleanup effort following Hurricane Katrina 	2006
Project H Clinic	Detroit, MI
<ul style="list-style-type: none"> • Provided health care for homeless patients 	2006
La Clinica Central	Guadalajara, MX
<ul style="list-style-type: none"> • Provided health care for underserved patients 	2004
Fenway Park, The Souvenir Store	Boston, MA
<ul style="list-style-type: none"> • Employee 	Summer 2003
New England Medical Center, General Surgery Department	Boston, MA
<ul style="list-style-type: none"> • Patient transport to and from operating room 	2003
Wheelchair Basketball Game, Dance Marathon Charity	Ann Arbor, MI
Chrisler Arena, University of Michigan	2000
<ul style="list-style-type: none"> • Organizer, Volunteer and Participant • University of Michigan Varsity Men's Basketball team (using wheelchairs provided) vs Sterling Heights Challengers (National Champion <17yo wheelchair basketball team); Final Score: Challengers 120 – Wolverines 32 	