**Michael B Ellman, MD**

**Curriculum Vitae**

Michael B. Ellman, MD

Panorama Orthopedics & Spine Center

660 Golden Ridge Road, Suite 250

Golden, CO 80401

Office Phone: (303) 233-1223

Email: [mellman@panoramaortho.com](mailto:mellman@panoramaortho.com)

**Employment / Training**

|  |  |  |
| --- | --- | --- |
| **Panorama Orthopedics & Spine Center**   * Orthopedic Surgeon * Hip Arthroscopy, Ligament Reconstruction, Sports Medicine * Golden, Colorado | 2014 – Present | |
| **The Steadman Clinic – Steadman-Philippon Research Institute**   * Vail, Colorado * Fellow Physician, Orthopedic Sports Medicine | 2013 – 2014 | |
| **Rush University Medical Center, Department of Orthopedic Surgery**   * Chicago, IL * Resident Physician | 2008 - 2013 | |
| **University of Michigan Medical School**   * 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 | | 2003-2008 |
| **University of Michigan - Undergraduate Studies**   * Ann Arbor, Michigan * B.S., Biopsychology; Graduated with Honors (3.95 GPA) * Study Abroad Program via UW-Platteville in *Seville, Spain,* Spring 2001 | 1998-2002 | |

**Memberships/Licensures**

|  |  |
| --- | --- |
| Division of Workers Compensation Task Force – Advisory Panel | 2015 |
| American Orthopedic Society for Sports Medicine, Member | 2013-present |
| American Academy of Orthopedic Surgeons, Member | 2009-present |
| American Journal of Orthopedics - Advisory Board Member | 2013-present |
| 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**

|  |  |  |
| --- | --- | --- |
| **Men’s Varsity Football – Green Mountain High School Team Physician** | 2015 | |
| * Denver, Colorado |  | |
| **Men’s Varsity Football – Golden High School Team Physician** | 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 |
| * Solden, 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 * Awarded for excellence in research in the of field hip preservation surgery | Rosemont, IL |
| **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   * Awarded to top-ranked all-academic varsity football player | 1997 |

**Peer-Reviewed Publications**

###### 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.

###### 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.

1. **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.
2. 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.
3. 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.
4. 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.
5. 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.
6. **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.
7. **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*.
8. **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.*
9. **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 PKCδpathway 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.
10. **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.
11. 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.
12. **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.
13. 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.
14. 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.
15. 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.
16. 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*.*
17. **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.
18. 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.
19. 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.
20. **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.
21. **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.
22. **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.
23. 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.
24. Ahmadinia K, Yan D, **Ellman MB**, Im H-J. The anti-catabolic role of bovine lactoferricin in cartilage. Biomolecular Concepts 2013. 4(5):495-500. PMID 25436593.
25. 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.
26. Bhatia S, LaPrade CM, **Ellman MB**, LaPrade RF. Current concepts: Meniscal root tears: significance, diagnosis, and treatment. AJSM 2014. PMID: 24623276.
27. **Ellman MB**, LaPrade CM, James E, LaPrade RF. Anterior meniscal root avulsion following intramedullary nail for a tibial shaft fracture. KSSTA 2014. PMID 24643359.
28. **Ellman MB**, LaPrade CM, Smith S, Rasmussen M, Engebretsen L, Wijdicks CA, LaPrade RF. Structural properties of the meniscal roots. AJSM 2014. PMID 24799425.
29. LaPrade CM, **Ellman MB**, Rusmussen 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.
30. 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.
31. 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.
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*.* PMID 25239930.
33. Ho CP, James EW, Surowiec RK, Gatlin CC, **Ellman MB**, Cram TR, Dornan GJ, LaPrade RF. Systematic technique dependent differences in CT versus MRI measurement of the tibial tubercle-trochlear groove (TTTG) distance. AJSM 2015. PMID 25575535.
34. LaPrade RF, LaPrade CM, **Ellman MB**, Turnbull T, Cerminara AJ, Wijdicks CA. Cyclic displacement after meniscal root repair fixation: a human biomechanical evaluation. AJSM 2015. PMID 25556220.
35. KC Ranjan, Voigt R, Li X, Forsyth CB, **Ellman MB**, Summa KC, Turek FW, Keshavarzian A, Kim JS, Im HJ. Induction of osteoarthritis-like pathologic changes by chronic alcohol consumption in an experimental mouse model. Arth Rheum 2015. PMID 25708245.
36. KC Ranjan, Li X, Voigt RM, **Ellman MB**, Summa KC, Vitaterna MH, Keshavarzian A, Turek FW, Meng QJ, Stein GS, van Wijnen AJ, Chen D, Forsythe CB, Im HJ. Environmental disruption of circadian rhythm predisposes mice to osteoarthritis-like changes in knee joint. J Cell Phys 2015. PMID 25655021*.*
37. **Ellman MB**, Sherman SL, Forsythe B, LaPrade RF, Cole BJ, Bach Jr BR. Return to play following anterior cruciate ligament reconstruction. JAAOS 2015. PMID 25911661*.*
38. LaPrade MD, LaPrade CM, Hamming M, **Ellman MB**, Turnbull T, Rasmussen M, Wijdicks CA, LaPrade RF. Intramedullary tibial nailing reduces the attachment area and ultimate load of the anterior medial meniscal root: A potential explanation for anterior knee pain in female patients and smaller patients. AJSM 2015. PMID 25911417.
39. 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. OJSM 2015. PMID 26535290.
40. Euler S, Horan MP, **Ellman MB**, Greenspoon JA, Millett PJ. Chronic rupture of the long head of the biceps tendon: comparison of 2-year results following primary versus revision open subpectoral biceps tenodesis. AOTS 2015. PMID 26810192*.*
41. Bhatia S, Chahla J, Dean C, **Ellman MB.** Labral Reconstruction: A “kite technique” for improved efficiency and graft control.” Arthroscopy 2015. *In press*.
42. 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.*
43. 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.
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.
3. Warth R, **Ellman MB**, Millett PJ. Rotator Cuff Tear Patterns: Recognition and Treatment. AAOS Video Presentation, 2015.

**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 mediators involved in cartilage degradation and the induction of pain in 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.
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.
14. **Ellman MB**, Chahla J, McNair PJ, LaPrade R. Endoscopic Double Bundle PCL Reconstruction. In: Ligamentous Injuries of the Knee. Nova Publishing, 2016.

**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 anti-oxidant (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. OrthopaedicSurgery 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.
42. Bhatia S, LaPrade CM, **Ellman MB**, LaPrade RF. Meniscal root tears: significance, diagnosis, and treatment. AAOS Scientific Exhibit 2015.
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. *Accepted*.
44. Bhatia S, **Ellman MB**, LaPrade RF. Meniscal root tears: significance, diagnosis and treatment. AAOS Scientific Exhibit 2015.
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. *Poster Presentation*.
46. 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. *E-Poster*.
47. 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. *E-Poster*.
48. LaPrade RF, LaPrade CM, **Ellman MB**, Turnbull T, Cerminara A, Wijdicks CA. Cyclic displacement of four meniscus-suture fixation technicuqes in allograft quality human tissue: A biomechanical evaluation. ISAKOS Congress Abstract 2015. *E-Poster*.
49. Euler S, **Ellman MB**, Millett PM: Chronic rupture of the long head of the biceps tendon: Two-year results following primary and revision subpectoral biceps tenodesis. SECEC, Milano 2015: *Poster Presentation.*

**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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Visiting Surgeon Day for Hip Arthroscopy, Christopher Larson MD** | | | | 2014 | |
| * Edina, MN | | | |  | |
| **Vail International Complex Knee Symposium** | | | | 2014, 2015 | |
| * Vail, CO | | | |  | |
| **Masters Hip Arthroscopy Course** | | | | 2014, 2015, 2016 | |
| * Vail, CO | | | |  | |
| **American Academy of Orthopaedic Surgery - Annual Meeting** | | | | 2015 | |
| * Las Vegas, NV | | | |  | |
| **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 Orthopedic Surgery – Chief Resident Class Representative | 2013 |
| **ACGME Resident Review Committee** | Chicago, IL |
| * Rush Department of Orthopedic Surgery – Resident Class Representative | 2011 |
| **Orthopedic 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 Undergraduate Organization** | Ann Arbor, MI |
| * President | 1998-2002 |

**Local and National Volunteer Service**

|  |  |
| --- | --- |
| **Bumps & Bruises Clinic** | Denver, CO |
| * Provide free health care to high school athletes throughout football season | 2014-present |
| **Vail Valley High School & Middle School** | Vail, CO |
| * Pre-participation sports physicals | 2013 |
| **Rush Oak Park High School** | Chicago, IL |
| * Pre-participation sports physicals | 2009-2012 |
| **Latin American Youth Center** | Washington, D.C. |
| * Helped organize Christmas activities for underserved youth | 2009 |
| **HOPE clinic** | Ypsilanti, MI |
| * Provided health care to underserved population | 2006 |
| **Common Ground Relief Effort** | New Orleans, LA |
| * Provided aid in cleanup effort following Hurricane Katrina | 2006 |
| **Project H Clinic** | Detroit, MI |
| * Provided health care for homeless patients | 2006 |
| **La Clinica Central** | Guadalajara, MX |
| * Provided health care for underserved patients | 2004 |
| **Fenway Park, The Souvenir Store** | Boston, MA |
| * Employee | Summer 2003 |
| **New England Medical Center, General Surgery Department** | Boston, MA |
| * Patient transport to and from operating room | 2003 |
| **Wheelchair Basketball Game, Dance Marathon Charity**  **Chrisler Arena, University of Michigan** | Ann Arbor, MI  2000 |
| * 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 |  |