

Jason M. Cuéllar M.D., Ph.D., FAAOS
Fellowship-trained board-certified
orthopaedic spine surgeon



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Hospital and surgery center privileges:

Hospitals:

- Aventura Medical Center, Miami, FL (9/2021 to present)
- JFK Medical Center, Main and North Campus, Atlantis and West Palm Beach, FL
- Jupiter Medical Center, Jupiter, FL. (3/2022 to present)
- Palm Beach Gardens Medical Center, Palm Beach Gardens, FL (3/27/24 to present)
- Cedars-Sinai Medical Center, Los Angeles, CA
 - Spine surgical privileges: 8/2015 to 8/28/2024
 - Refer and follow privileges: 8/28/2024 to 8/27/2026
- DOCS Surgical Hospital, Los Angeles, CA (5/2019 to 2/28/22)

Surgery Centers:

- Surg Center of Palm Beach Gardens, FL (6/2022 to present)
- Lake Worth Surgical Center, Lake Worth FL (11/2022 to present)
- Miami Surgical Center, Miami FL (8/2021 to present)
- Advanced Surgical Center of Beverly Hills, Beverly Hills, CA (6/2019 to present)
- Docs Surgical Center, Beverly Hills, CA (5/2019 to 2022)

Education:

Undergraduate:

American River College – January 1998 to December 1999

Shasta College – September 1995 to December 1997

University of California, Davis – B.S. in Neurobiology, Physiology & Behavior –
January 1999 to September 2000

Graduate School (Ph.D.):

University of California, Davis – Molecular, Cellular and Integrative Physiology

Start date: September 2000

Completed: December 2004

Doctoral advisor: Earl Carstens, Ph.D.

Medical School (M.D.):

Stanford University School of Medicine

Start date: August 1, 2004

Completed: June 14, 2009

Internship:

Orthopaedic Surgery, New York University Hospital for Joint Diseases

Start date: July 1, 2009

Completed: June 30, 2010

Program directors: Kenneth Egol M.D., Chair: Joseph D. Zuckerman M.D.

Residency:

Orthopaedic Surgery, New York University Hospital for Joint Diseases

Start date: July 1, 2010

Completed: June 28, 2015

Program directors: Kenneth Egol M.D., Chair: Joseph D. Zuckerman M.D.

Musculoskeletal Research Fellowship:

New York University Hospital for Joint Diseases

Start date: July 1, 2011

Completed: June 30, 2012

Research supervisor: Thorsten Kirsch, Ph.D.

Fellowship in spine surgery:

Spinal Disorders Fellowship, Cedars-Sinai Spine Center and Cedars-Sinai Medical
Center

Start date: August 1, 2015

Completed: July 31, 2016
Fellowship director: Hyun W. Bae, M.D.

Licensure:

1. New York State Medical License, ID #264397, Issued 2-22-2012 (inactive)
2. California State Medical License, ID #A135554, Issued 4-9-2015, expires 4-30-25
3. Nevada State Medical License, ID # 21201, Issued 7-8-2021, Expired 6-30-23
4. Florida State Medical License , ID ME 151896, Issued 7-17-2021; renewed 12/13/22 and 1/31/25.

Board certification:

American Board of Orthopaedic Surgery (ABOS) board certified: July 5, 2019

Professional experience:

1. Fellow of the American Academy of Orthopaedic Surgeons (FAAOS) – 2022 to present.
2. Assistant Professor of Orthopaedic Surgery, Department of Orthopaedic Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, 2018 to 2024.
3. **Medical Director, Advanced Surgical Center of Beverly Hills** (formerly known as Surgery Center of Beverly Hills) at 8750 Wilshire Blvd, May 2019 to July 2025.
4. Musculoskeletal research fellow: Department of Orthopaedic Surgery, NYU Hospital for Joint Diseases, July 2011 to June 2012.
5. Post-doctoral researcher: Department of Anesthesia, Stanford University School of Medicine, lab of David Yeomans, Ph.D., November 2004 to June 2009; full-time post-doc 2006.
6. Doctoral research assistant: Department of Neurobiology, Physiology & Behavior; University of California, Davis, laboratory of Earl Carstens, Ph.D. – August 2000 to June 2004
7. Research assistant: School of Veterinary Medicine; Department of Anatomy, Physiology & Cell Biology; University of California, Davis, laboratory of Charles Plopper, PhD. - April 1999 to September 2000.

Professional activities:

1. Scientific consultant for Nevro Corporation: 2005 to 2014
2. Scientific consultant for Cytonics Corporation: 2006 to 2015
3. Scientific Advisory Board for Cytonics Corporation: 2006 to present
4. Member - International Society for the Advancement of Spine Surgery, ID#20030111501
5. Member – Society for Minimally Invasive Spine Surgery
6. Member - North American Spine Society, ID#123771
7. Member - American Academy of Orthopaedic Surgeons, ID#1032003
8. Member – North American Neuromodulation Society
9. Medical advisory board for Axiom Regenerative Therapies
10. Centinel Spine total disc replacement course faculty – 2021 to present:
 - a. Las Vegas – July 23, 2021

- b. Miami – June 10, 2022
- c. Tampa - April 15, 2023

Honors and special awards:

1. Best basic science abstract for: Scuderi, GJ , Montesano, PX, **Cuéllar JM**. Improving response to treatment for patients with DDD by the use of molecular markers. Spine Intervention Society, 23rd annual meeting, Las Vegas NV, July 2015.
2. **Best paper award at ISSLS Annual Meeting** June 10, 2015, San Francisco, CA, USA. **Cuellar JM**, Stauff MP, Herzog R, Carrino JA, Baker G, Carragee EJ; USA Does provocative discography cause clinically important injury to the lumbar Intervertebral disc? A ten-year matched cohort study.
3. **2015 Frauenthal Award for Clinical Research, NYU HJD** for paper entitled “*Does Aspirin Administration Increase Preoperative Morbidity in Patients with Cardiac Stents Undergoing Spinal Surgery?*”
4. **2009 ISSLS Prize Winner co-author:** Does discography cause accelerated progression of degenerative changes in the lumbar disc: A ten-year cohort-controlled study. Spine 34(21):2338-45.
5. Stanford Anesthesia Departmental Research Award, 5/2008
8. Stanford Medical Research Scholar, 2006-2007
9. Graduation with honors, U.C. Davis, 2000 and 2004
10. Travel Award for 33rd annual Society for Neuroscience meeting, November 2003
11. Jastro-Shields Research Award. Fall 2000
12. Phi Sigma Society, Gamma Delta Chapter. January 2000.
13. Department citation for outstanding performance, Neurobiology, Physiology & Behavior, Class of 2000. June 2000.

Research grants and fellowships; patents received; clinical innovations:

1. **NIH R01 DE018531**, 2007-2011. Project title: Chronic compression of the trigeminal ganglia. Co-investigator. \$2M, Principal investigator: David Yeomans
2. **NIH-SBIR Grant 1R43NS065669-01A1**; 2010-2011; by NINDS Cytonics Corporation; Diagnostic Biomarkers for Radicular Pain; \$1.5M, Co-investigator. Principal investigator: Gaetano Scuderi.
3. Musculoskeletal research fellow: Department of Orthopaedic Surgery, NYU Hospital for Joint Diseases, July 2011 to June 2012.
4. Post-doctoral researcher: Department of Anesthesia, Stanford University School of Medicine, lab of David Yeomans, Ph.D., November 2004 to June 2009; full-time post-doc 2006.

Academic Lectures/Presentations:

1. *Cuéllar, Jason. Lumbar disc replacement-the benefits, patient selection and staying out of trouble. Castellvi Spine Meeting, Duck Key, FL April 30, 2025.*

2. Cuéllar, Jason and Martin Grau Ortiz. "ProDisc from France to the US", at June 13, 2024, *Congres Annuel de Societe Francaise de Chirurgie Rochidienne, Palais des congress de Montpellier, France.*
3. Cuéllar, Jason. *Lumbar Disc Replacement-Patient Selection Castellvi Spine Meeting, Duck Key, FL May 9, 2024*
4. Cuéllar, Jason. *Lumbar Disc Replacement. Castellvi Spine Meeting, Duck Key, FL May 12, 2023*
5. Cuéllar, Jason. *Cervical Disc Replacement. Castellvi Spine Meeting, Duck Key, FL May 12, 2023*
6. Cuéllar, Jason. *Lumbar Disc Replacement: Patient Selection. Castellvi Spine Meeting, Duck Key, FL May 12, 2023*
7. Cuéllar, Jason. *Lumbar Disc Replacement – The Experience. Castellvi Spine Meeting, Duck Key, FL May 12, 2023*
8. Cuéllar, Jason, *Medical Grand Rounds at John F. Kennedy Hospital, Atlantis, Florida: Artificial Disc Replacement; June 9, 2022*
9. Cuéllar, J, Lanman, T, Mottole, N, Wernke, M, Carruthers, E and Valdevit A. Facet joint loading after one-, two-, and three-level cervical disc arthroplasty. Annual conference of the International Society for the Advancement of Spine Surgery (ISASS) 2022, Nassau, Bahamas, June 1-4.
10. Lanman, Cuéllar, J T, Mottole, N, Wernke, M, Carruthers, E and Valdevit A. Multi-level cervical disc arthroplasty does not alter the contribution to motion associated with the various loading modalities. Annual conference of the International Society for the Advancement of Spine Surgery (ISASS) 2022, Nassau, Bahamas, June 1-4.
11. Lanman, Cuéllar, J T, Mottole, N, Wernke, M, Carruthers, E and Valdevit A. Effects of single- and multi-level artificial disc replacements on the motion of the intervertebral disc space. Annual conference of the International Society for the Advancement of Spine Surgery (ISASS) 2022, Nassau, Bahamas, June 1-4.
12. Cuéllar, JM. Artificial disc replacement at the L5-S1 disc space. Annual Conference of Spinal Disorders, Cedars-Sinai, Las Vegas, NV, January 31, 2020.
13. Cuéllar, JM, Martin Quirno; Kirk Campbell, Andrew Yoo, , Christian M. Hoelscher, Pedro A. Ricart-Hoffiz, Tate M. Andres, Thorsten Kirsch, Thomas J. Errico. The Effect of Prophylactic Local Epidural Steroid Delivery in a Spinal Cord Injury Model. ***Annual Meeting of the International Society for the Advancement of Spine Surgery (ISASS), Barcelona, Spain, March 20-23, 2012.***
14. Cuéllar JM, Marlen N, Cuéllar VG, Angst MS, Yeomans DC, Montesano PX. Cytokines in the intervertebral disc of patients undergoing lumbar anterior discectomy and interbody fusion for degenerative disc disease. ***Annual Meeting of the International Society for the Advancement of Spine Surgery (ISASS), Barcelona, Spain, March 20-23, 2012***

15. **Cuéllar JM**, Alataris K, Walker A, Yeomans DC, Antognini JF. Effect of High-Frequency Alternating Current on Spinal Afferent Nociceptive Transmission. Podium and poster presentations. *International Neuromodulation Society*, Berlin, Germany June 10-13, 2013.
16. **Cuéllar JM**, Petrizzo, A, Vaswani, R, Goldstein, JA, Bendo, JA. Does aspirin administration increase perioperative morbidity in patients with cardiac stents undergoing spinal surgery? AAOS Annual Meeting, Las Vegas, March 26, 2015
17. Spine grand rounds, “Artificial Disc Replacement”; June 29, 2016, Cedars-Sinai, Advanced Health Sciences Pavilion, Room PEC-5.
18. Department of Orthopaedic Surgery Grand Rounds, “Artificial Disc Replacement”, March 1, 2017, Cedars-Sinai Medical Center, Cancer Center Conference Room AC-1100

Teaching/Mentoring Activities

1. Lecture to orthopaedic surgery residents, Cedars-Sinai Medical Center, “Spinal infections” April 29, 2016.
2. Lecture to spine surgery fellows, Cedars-Sinai Medical Center, “Cervical myelopathy”, November 1, 2017.
3. Spine Journal Club moderation with spine fellows and faculty; Cedars-Sinai Medical Center, January 9, 2019.
4. Lecture to spine surgery fellows, Cedars-Sinai Medical Center, “Total Disc replacement and motion-sparing surgery”, February 5, 2020.
5. Lecture to spine surgery fellows, Cedars-Sinai Medical Center, “Cervical Total Disc replacement”, December 20, 2021.
6. Lecture to spine surgery fellows and spine surgery department, Cedars-Sinai Medical Center, “Lumbar Total Disc replacement”, January 19, 2022.
7. Lecture to spine surgery fellows and spine surgery department, Cervical Total disc replacement “Cervical Total Disc replacement”, November 30, 2022.
8. Lecture to spine surgery fellows and spine surgery department, Cedars-Sinai Medical Center, “Lumbar Total Disc replacement”, January 18, 2023.
9. Medical student rotation Felix Wengert August-September 2024

Community Service and Volunteer Work:

1. Patzcuaro Hospital Experience and Language Program (Patzcuaro HELP) – co-director 2004-2009.
2. Clinical volunteer and medical supply donation organization; Patzcuaro HELP program participant and director, Patzcuaro, Mexico – 6/21/2005 to 8/21/2005
3. Operation Access – Kaiser San Francisco, 9/24/05
4. Operation Access – Kaiser South San Francisco – February 26, 2005
5. Operation Access – Mills Peninsula – June 4, 2005

6. Community volunteer; U.C. Davis Medical Center, orthopaedics floor – 1998-1999
7. Clinical volunteer and medical supply donation organization; Patzcuaro HELP program, Patzcuaro, Mexico – 6/18/2001 to 8/18/2001
8. Big Brothers/Big Sisters of Sacramento – 2/01/1999 to 6/01/2002
9. Clinical volunteer as spanish translator, Salud Clinic, Sacramento – 10/01/2001 to 4/01/2002

Bibliography/publications:

A. Research papers – peer-reviewed:

1. Jason Cuellar M.D., Ph.D. , Todd Lanman M.D. , Nicole Mottole BE , Michael Wernke R.Ph., Ph.D. , Elizabeth Carruthers ME , Antonio Valdevit Ph.D. , Facet Joint Loading After 1-, 2- and 3-Level Cervical Disc Arthroplasty: A Comparison of Spiked Versus Keeled Baseplates, North American Spine Society Journal (NASSJ) (2024), doi: <https://doi.org/10.1016/j.xnsj.2024.100512>
2. Lanman, TH, Cuellar JM, Mottole, N, Wernke, M, Carruthers E and Valdevit A. Range of motion after 1,2 and 3 level cervical disc arthroplasty. North American Spine Society Journal (NASSJ) 2023 Nov 20;16:100294. Doi:10.1016/j.xnsj.2023.100294.eCollection 2023 Dec. PMID 38162168.
3. Sarmiento JM, Hanna G, Baron EM, Lanman TH, Lauryssen C, Cuéllar JM. Anterior Cervical Foraminotomy for Radiculopathy After Cervical Artificial Disc Replacement: Technique Description and Case Report. Int J Spine Surg. 2022 Apr;16(2):384-392. doi: 10.14444/8219. PMID: 35444046; PMCID: PMC9930657.
4. Lanman TH, Cuellar JM, Mottole N, Wernke M, Carruthers E, Valdevit A. Range of motion after 1, 2, and 3 level cervical disc arthroplasty. N Am Spine Soc J. 2023 Nov 20;16:100294. doi: 10.1016/j.xnsj.2023.100294. PMID: 38162168; PMCID: PMC10755821.
5. Jiang W, Glaeser JD, Kaneda G, Sheyn J, Wechsler JT, Stephan S, Salehi K, Chan JL, Tawackoli W, Avalos P, Johnson C, Castaneda C, Kanim LEA, Tanasansomboon T, Burda JE, Shelest O, Yameen H, Perry TG, Kropf M, Cuellar JM, Seliktar D, Bae HW, Stone LS, Sheyn D. Intervertebral disc human nucleus pulposus cells associated with back pain trigger neurite outgrowth in vitro and pain behaviors in rats. Sci Transl Med. 2023 Dec 6;15(725):eadg7020. doi: 10.1126/scitranslmed.adg7020. Epub 2023 Dec 6. PMID: 38055799.
6. Nigh, ED, Finkel, RA, Sayari, AJ, Lanman, TH, Baron, EM, Cuellar, JM. An atypical presentation of early periprosthetic infection after cervical disc arthroplasty: a case report. JBJS Case Connect 2023 Jul 7;13(3). PMID 37418554
7. Cuellar, JM, Rasouli, A, Lanman, T., Kanim, L and Delamarter, R. Single and multilevel lumbar total disc replacement adjacent to L5-S1 ALIF (lumbar hybrid): 6 years of follow up. *International Journal of Spine Surgery* 2021, Vol 15(5):971-977.
8. Cuellar, JM, Nomoto, E, Saadat, E., Ma, A, Hill, P., Kropf, M., Lanman, T., Perri, B., Siddique, K., Wagner, W. Rao, R., Wong, A., Eng, M., Stephan, S., Anand, A., Bae, H., Rasouli, A., Outpatient versus inpatient anterior lumbar spine surgery: A multisite, comparative analysis of patient safety measures. *International Journal of Spine Surgery* 2021, Vol 15(5):937-944,
9. Glaeser JD, Salehi K, Kanim LEA, NaPier Z, Kropf MA, Cuellar JM, Perry TG, Bae HW, Sheyn D. NF-kappaB inhibitor, NEMO-binding domain peptide attenuates

- intervertebral disc degeneration. *Spine J.* 2020 May 12;S1529-9430(20)30175-3. PMID 32413485
10. Ryu R, Do A, Chan J, **Cuellar J**, Schievink W, Baron EM. Postoperative CSF Leak After Lumbar Total Disc Replacement (TDR): A Diagnostic and Management Challenge. *World Neurosurg.* 2020 137:119-125.
 11. Lanman, TH and **Cuellar, JM**. Restoration of spinal motion – conversion of anterior cervical fusion with pseudarthrosis to artificial disc replacement. *International Journal of Spine Surgery* 2020 14(4):483-487.
 12. **Cuellar, JM**, Wagner W and Rasouli, A. Low complication rate of anterior lumbar spine surgery in an ambulatory surgery center. *International Journal of Spine Surgery* 2020 14(5):687-693.
 13. **Cuellar, JM**, Lanman TH and Rasouli, A. The Safety of Single- and Multi-level Cervical Total Disc Replacement in Ambulatory Surgery Centers. *Spine* 2020 15(8):512-521.
 14. Rasouli A, **Cuellar JM**, Kanim, LEA, Delamarter, R. Multiple-level lumbar total disc replacement: a prospective clinical and radiographic analysis of motion preservation at 24 to 72 months. *Journal of Clinical Spine Surgery*, 2019, 32(1):38-42. PubMed ID 30095474
 15. Glaeser JD, Salehi K, Kanim L, Sheyn D, NaPier Z, Behrens P, Garcia L, **Cuellar JM**, Bae HW. Anti-inflammatory peptide attenuates edema and promotes BMP-2-induced bone formation in spine fusion. *Tissue Eng Part A.* 2018 May 16. PubMed ID 29766758.
 16. Tzabazis A, Kori S, Mechanic J, Miller J, Pascual C, Manering N, Carson D, Klukinov M, Spierings E, Jacobs D, **Cuellar J**, Frey WH 2nd, Hanson L, Angst M, Yeomans DC. Oxytocin and Migraine Headache. *Headache.* 2017 May;57 Suppl 2:64-75. Review. PubMed ID: 28485846.
 17. **Cuellar, JM** and Lanman, TH. “Text Neck”: An epidemic of the modern era of cell phones? *The Spine Journal* 2017, 17(6):901-902. PubMed ID 28336483
 18. **Cuellar, JM** and Passias, P. Cervical Spondylotic Myelopathy: A review of clinical diagnosis and treatment. *Bulletin of the Hospital for Joint Diseases* 2017; 75(1):21-9.
 19. Montesano, PX and **Cuellar JM**. Cytokines in the intervertebral discs of patients undergoing lumbar discectomy and fusion for degenerative disc disease. *Orthopedics and Rheumatology Open Access Journal* 2017; 4(3):555638.
 20. Montesano, PX, **Cuellar JM** and Scuderi, GJ. Intradiscal injection of an autologous alpha-2-Macroglobulin (A2M) concentrate alleviates back pain in FAC-positive patients. *Orthopedics and Rheumatology Open Access Journal* 2017; 4(2):555634.
 21. **Cuellar JM**, Cuellar, V.G., Scuderi, G.J. Alpha-2-Macroglobulin: Autologous protease inhibition technology. *Phys Med Rehabil Clin N Am* 2016, 27(4):909-919, PubMed:2778907
 22. **Cuellar JM**, Stauff MP, Herzog RJ, Carrino JA, Baker GA, Carragee EJ. Does provocative discography cause clinically important injury to the lumbar intervertebral disc? A 10-year matched cohort study. *Spine J.* 2016 Mar;16(3):273-80. 2015 Jun 29. PubMed: 26133255.
 23. **Cuellar JM**, Field JS, Bae HW. Distraction Laminoplasty with Interlaminar Lumbar Instrumented Fusion (ILIF) for Lumbar Stenosis with or Without Grade 1 Spondylolisthesis: Technique and 2-year Outcomes. *Spine* 2016. PubMed ID: 26839990.

24. Cuéllar, VG, **Cuéllar, JM**, Kirsch, T and Strauss EJ. Correlation of synovial fluid biomarkers with cartilage pathology and associated outcomes in knee arthroscopy. *Arthroscopy* October 29, 2015
25. **Cuéllar JM**, Stauff MP, Herzog R, Carrino JA, Baker G, Carragee EJ; USA Does provocative discography cause clinically important injury to the lumbar Intervertebral disc? A ten-year matched cohort study. *The Spine Journal* 16(3):273-80
26. **Cuéllar JM**, Petrizzo, A, Vaswani, R, Goldstein, JA, Bendo, JA. Does aspirin administration increase perioperative morbidity in patients with cardiac stents undergoing spinal surgery? *Spine* 2015, 40(9):629-635. PubMed ID: 26030214
27. Tzabazis A, Mechanic J, Miller J, Klukinov M, Pascual C, Manering N, Carson DS, Jacobs A, Qiao Y, **Cuellar J**, Frey WH 2nd, Jacobs D, Angst M, Yeomans DC. Oxytocin receptor: Expression in the trigeminal nociceptive system and potential role in the treatment of headache disorders. *Cephalalgia*. 2015 Nov 20. PubMed ID: 26590611
28. Zhao YP, Tian QY, Liu B, **Cuellar J**, Richbrough B, Jia TH, Liu CJ. Progranulin knockout accelerates intervertebral disc degeneration in aging mice. *Sci Rep*. 2015 Mar 16;5:9102. PubMed ID: 25777988.
29. **Cuéllar JM**, Yoo A, Tovar N, Coelho PG, Jimbo R, Vandeweghe S, Kirsch T, Quirno M, Errico TJ. The Effects of Amicar and TXA on Lumbar Spine Fusion in an Animal Model. *Spine* 2014, 39(19):E1132-1137; PubMed ID: 24979407.
30. **Cuéllar JM**, Golish, SR, Leroux, EJ, Reuter, MW, Carragee, EJ, Hanna, LS and Scuderi, GJ. Does a fibronectin and aggrecan complex play a role in painful vertebral disks? 2013 PMR 2013, 5(4):297-3021; PubMed ID: 23490723.
31. **Cuéllar JM**, Alataris K, Walker A, Yeomans DC, Antognini JF. Effect of High-Frequency Alternating Current on Spinal Afferent Nociceptive Transmission. Neuromodulation. 2013; 16(4):318-327; PubMed ID: 23252766
32. **Cuéllar JM**, Borges PM, Cuéllar VG, Yoo A, Scuderi GJ, Yeomans DC. Cytokine Expression in the Epidural Space: A Model of Non-compressive Disc Herniation-induced Inflammation. *Spine* 2013; 38(1):17-23 PubMed ID: 22648034
33. Golish SR, Hanna LS, **Cuéllar JM**, Fernyhough JC, Campbell DR, Carragee EJ, Scuderi GJ. Are persistently symptomatic vertebral compression fractures associated with abnormal inflammatory profiles? A prospective study. *J Spinal Disord Tech*. 2011 Apr;24(2):121-5. PubMed ID: 21445026.
34. Cuéllar VG, **Cuéllar JM** and Scuderi GS. Identification of meniscus damage biomarker: Implications for the future treatment of knee injury. *Therapy* 8(3):289-91, 2011.
35. Scuderi GJ, Golish SR, Cook FF, **Cuéllar JM**, Bowser RP, Hanna LS. (2011) Identification of a novel fibronectin-aggrecan complex in the synovial fluid of knees with painful meniscal injury. *J Bone Joint Surg Am*. 2011 Feb;93(4):336-40.
36. Cuéllar VG, **Cuéllar JM**, Vaccaro AR, Carragee EJ, Scuderi GJ. (2010) Accelerated degeneration after failed cervical and lumbar nucleoplasty. *J. Spinal Disord. Tech*. Dec;23(8):521-4.
37. Cuéllar VG, **Cuéllar JM**, Golish SR, Yeomans DC, Scuderi GJ. (2010) Cytokine profiling in acute anterior cruciate ligament injury. *Arthroscopy*. Oct;26(10):1296-301.
38. **Cuéllar JM**, Manering NA, Klukinov M, Nemenov MI, Yeomans DC. (2010) Thermal nociceptive properties of trigeminal afferent neurons in rats. *Molecular Pain*. Jul 7;6:39.
39. Tzabazis AZ, Niv SH, Manering NA, Klyukinov M, **Cuéllar JM**, Bhatnagar A, Yeomans DC. (2010) Trigeminal antihyperalgesic effect of intranasal carbon dioxide. *Life Sci*. 2010 Jul 3;87(1-2):36-41.
40. Scuderi GJ, Woolf N, Dent K, Golish SR, **Cuéllar JM**, Cuéllar VG, Yeomans DC, Carragee EJ, Angst MS, Bowser R, Hanna LS. (2010) Identification of a complex between fibronectin and aggrecan G3 domain in synovial fluid of patients with painful meniscal pathology. *Clinical Biochem*. Jul;43(10-11):808-14.

41. **Cuéllar, J.M.**, Golish, S.R., Reuter, M.W., Cuéllar, V.G., Angst, M.S., Carragee, E.J., Yeomans, D.C. and Scuderi, G.J. Cytokine evaluation in individuals with low back pain using discographic lavage. *The Spine Journal* 2010 Mar;10(3):212-8.
42. **Cuéllar J.M.**, Scuderi, G.J., Cuéllar V.G, Golish, S.R. and Yeomans, D.C.. (2009) Diagnostic utility of cytokine biomarkers in the evaluation of acute knee pain. *Journal of Bone and Joint Surgery Oct*; 91(10):2313-20.
43. Scuderi, G.J., **Cuéllar, J.M.**, Cuéllar, V.G., Yeomans, D.C., Carragee, E.J. and Angst, M.S. (2009). Epidural interferon gamma-immunoreactivity: a biomarker for lumbar nerve root irritation. *Spine Oct 1*; 34(21):2311-2317.
44. Carragee, E.J., Don, A. Hurwitz, E. **Cuéllar, J.M.**, Carrino, J. and Herzog, R. **2009 ISSLS Prize Winner**: Does discography cause accelerated progression of degenerative changes in the lumbar disc: A ten-year cohort-controlled study. *Spine* 34(21):2338-45.
45. Merrill, A.W., **Cuéllar, J.M.**, Judd, J.H., Carstens, M.I. and Carstens, E. (2008) Effects of TRPA1 agonists mustard oil and cinnamaldehyde on lumbar spinal wide dynamic range neuronal responses to innocuous and noxious cutaneous stimuli in rats. *J. Neurophysiol.* 99(2):415-425.
46. Dutton R.C., **Cuéllar J.M.**, Eger E.I., Antognini, J.F. and Carstens E. (2007) Temporal and Spatial Determinants of Sacral Dorsal Horn Neuronal Windup in Relation to Isoflurane-induced Immobility. *Anesthesia & Analgesia* 105(6):1665-74.
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49. **Cuéllar, J.M.**, Dutton, R.C., Antognini, J.F. and Carstens, E. (2005) Differential effects of halothane and isoflurane on dorsal horn neuronal windup and excitability. *British Journal of Anesthesiology* 94(5):617-25
50. **Cuéllar, J.M.**, Antognini, J.F. and Carstens, E. (2004) An *in vivo* method for recording single unit activity in lumbar spinal cord in mice anesthetized with a volatile anesthetic. *Brain Research Protocols* 13(2):126-134.
51. **Cuéllar, J.M.**, Antognini, J.F., Eger, E.I and Carstens, E. (2004) Halothane depresses C-fiber evoked windup of deep dorsal horn neurons in mice. *Neuroscience Letters* 363(3):207-11
52. **Cuéllar, J.M.**, Montesano, PX, Carstens, E (2004) Role of TNF-alpha in sensitization of nociceptive dorsal horn neurons induced by application of nucleus pulposus to L5 dorsal root ganglion in rats. *Pain* 110(3):578-587
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3. Cuellar JM and Lanman, TH. Motion restoration in the cervical spine. In symposium: Cervical disc replacement 2.0: When do things go wrong. North American Spine Society, October 2022, Chicago, IL
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6. Glaeser JD, Salehi K, Kanim L, NaPier Z, Kropf M, Cuellar J, Sheyn D, and Bae HW, Treatment with the NFkB inhibitor reduces overloading-induced MMP expression in human nucleus pulposus cells, North American Spine Society, October 2017, Orlando, FL.
7. G. Scuderi, J. Cuellar, P. Montesano; Intradiscal injection of an autologous alpha-2-

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8. Gaetano J Scuderi , Pasquale X Montesano and Jason Cuellar MD; Improving Response to Treatment for Patients with DDD by the use of Molecular Markers. AAOS Annual Meeting, March 2016, Orlando, FL.
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