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Adult Reconstruction and Young Hip Service
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ACADEMIC POSITION/EMPLOYMENT:

2016-Present Assistant Professor (Tenure Track)
Hip Preservation and Adult Reconstruction.
Orthopedics Department/Washington University, St Louis, MO.
December 2016 till Present

PREVIOUS EMPLOYMENT:

2014 – 2016 Assistant Professor
Hip Preservation Center
University of Colorado Hospital
Aurora, CO
August 2014 – December 2016

EDUCATION:

1994- 2000 Medical Degree
René Favaloro Medical University
Buenos Aires, Argentina
Graduated with Honors (9.78 /10)

2002 - 2007 Residence in Orthopedic
Hospital Italiano
Buenos Aires, Argentina

2007 - 2008 Postdoctoral Research Fellowship
Department of Biochemistry
Rush University Medical Center
Chicago, IL

2008 - 2009 Research Fellow of Cartilage Restoration Center at Rush
Departments of Orthopedics & Anatomy and Cell Biology Section of
Sports Medicine
Rush University Medical Center
Chicago, IL

2010 - 2011 Sports Fellowship
Barton Lake Tahoe Orthopedic Sports Medicine Fellowship
California

2011 - 2012	Sports and Shoulder Surgery Fellowship HSS (Hospital for Special Surgery) New York, NY
2012 - 2013	Adult Reconstruction Fellowship University of Colorado Hospital Aurora, CO
2013 - 2014	Hip Preservation Center Fellow Instructor University of Colorado Hospital Aurora, CO
2015 - Present	PhD Student Universidad Catolica- Buenos Aires, Argentina "Cartilage Repair with MSCs delivered in a Novel Hydrogel"
2016 - 2017	ANCHOR Travelling Award Fellowship Washington University (Dr. Clohisy) Mayo Clinic (Dr. Trousdale and Dr. Sierra) Boston Children's Hospital at Harvard (Dr. Millis, Kim and Novias)

PROFESSIONAL SOCIETIES AND MEMEBERSHIPS:

Active Member of ICRS.
Associate Member of AOSSM
Associate Member of AAOS
Active Member of ORS
Active Member of ISHA
Active Member of ISAKOS

COMMITTEE AND SERVICE RESPONSIBILITIES:

2015	COMIRB Panel Reviewer at University of Colorado
2015-2016	AAOT International Scientific Committee
2015-2016	ICRS Educational Committee
2015- 2019	AOSSM Research Committee
2016	ORS "How to engage Orthopedic Surgeons-Short Term Project"
2016-2017	Co Chair- ICRS Educational Committee
2016-2017	ORS Nominating Committee

CERTIFICATION: United States Medical Licensing Certificated. ECFMG Certified.

2006	Step 2 CK: Pass
2007	Step 1: Pass
2007	Step 2 CS: Pass
2009	Step 3: Pass

LICENSURE:

Nevada
California
New York
Colorado
Missouri

TEACHING LECTURES:

- 2009 ICRS "Treatment of Chondral Defects of the Knee". Florida, USA.
- 2014 Hip Preservation Course. AAOT (Asociacion Argentina de Ortopedia y Traumatologia). Buenos Aires, Argentina.
- 2014 AOSSM ICL course: "The Active Hip – From Hip Dysplasia to FAI and In-Between: An Approach to Open and Arthroscopic Management" AOSSM, Seattle, WA. USA.
- 2014 "Hip Dysplasia in Active Patients". Barton Memorial Hospital. South Lake Tahoe, CA, USA.
- 2015 ICRS. Moderator Hip Cartilage Session. Chicago, IL May 8-13.
- 2016 Vail Scientific Summit: Engaging the greatest minds in regenerative medicine and science. "Novel Scaffolds, Bioprinting in Orthopedics".
- 2016 Treatment of Hip and Knee disorders Course. Washington University in St Louis. Cartilage Damage and Regenerations Options in the Hip. November 19th. St Louis, MO
- 2016 ORS. Cartilage Healing and Gene Therapy Moderator. Orlando, FL
- 2016 ISHA ICL Course: Treatments for Femoral Head Cartilage Management: Results & Tricks: OATS, MACI, MCFX, Cells.
- 2016 Cartilage Repair in the Hip. Fukuoka, Department of Orthopedics, Wakamatsu Hospital for the University of Occupational and Environmental Health, Japan 2016.
- 2016 AOSSM Annual Meeting. Leader Faculty. ICL course: Biologics Treatments for Orthopedics Injuries.
- 2016 Treatment of Hip and Knee disorders Course. Washington University in St Louis. Hip Resurfacing. November 19th. St Louis, MO.

AWARDS AND HONORS:

- 2005 Orthopedics and Traumatology Argentinean Meeting Residency Award. "Mesenchymal and autologous chondrocyte cell-based repair of large full thickness defects of articular cartilage".
- 2005 Argentinean Meeting of Sport Medicine Award. "Controversial of growth factors in sports medicine".
- 2006 Prof. Dr. Carlos Ottolenghi Research Award. 2006. "Increased chondrogenic capacity of periosteum supplemented with chondrocytes". A rabbit model animal.
- 2006 SIROT Oral Presentation Award. Fourth SICOT/ SIROT Annual International Conference. "Mesenchymal stem cells and chondrocytes for the repair of large full thickness osteochondral defects. A rabbit model animal".
- 2006 Argentina Arthroscopy International Meeting Award. "Osteochondral defects treated with progenitor cells or ACI Rabbit model".
- 2007 Prof. Dr. Carlos Ottolenghi Research Award. "Inoculation of progenitors cells in hip osteonecrosis - A study in a rabbit model.
- 2015 Sponsored guest by AAOS/ORS for the Biological Treatments for Orthopedics Injuries Research (BTOI) Symposium, Rosemont, Chicago, Nov 5-7.
- 2015 AAOS/OREF/ORS Clinician Scholar Career Development Program. Rosemont, Chicago Sept 17-19.
- 2016 The William Harris Career Development Award in Hip Preservation. ANCHOR Group. Washington University.
- 2016 2016 AOSSM/SANOFI OSTEOARTHRITIS "Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in an Equine Animal Model"

GRANTS:

- 2007-2008 Larramendi Grant. "Damage and repair in cartilage acute trauma model". Madrid, Spain. Mapfre Foundation (20,000 Euros). PI
- 2015 R21 NIH Grant: Arthroscopic 3D Printing of Cell-Laden Structures for Osteochondral Regeneration. Co PI. Under Review.
- 2015 Research CU Orthopedic Grant (20,000 US\$) "Cartilage Repair by Transplantation of Mesenchymal Stem Cells (MSCs) delivered in a Chondroitin Sulfate/PEG Hydrogel for Chondral Defects in a Rabbit Animal Model". PI .

- 2016 R21 NIH "Site-specific immobilization of TGF- β 3 for tissue engineering. Co PI. Under Review.
- 2016 Department of Defense "Arthroscopic 3D Printing of Cell-Laden Structures for Osteochondral Regeneration." Co PI. Under Review.
- 2016 Zimmer-Biomet (250,000 US\$) Post Market Data Collection for Biologically Assisted Core Decompression of the Femoral Head using the Perfuse Instrument and Bio-Cue. PI
- 2016 AOSSM/SANOFI OSTEOARTHRITIS GRANT (50.000 US\$) "Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in an Equine Animal Model" PI.
- 2017 MRC JIT Grant. Intraarticular inflammation in patients with hip dysplasia and Femoroacetabular Impingement. (3500 US\$) PI

BIBLIOGRAPHY

PEER-REVIEWED PUBLICATIONS:

1. **Pascual-Garrido C.** "Periprosthetic Interphase on femoral stem and acetabular cemented hip prosthesis revision". Vol.1, 2 & 3 in Patología del Aparator Locomotor. (Spain).
2. **Pascual-Garrido C.** "An experimental non-union rat model". Revista AAOT (Argentina). March 1:87-93.
3. **Pascual-Garrido C.** Prospective Analysis of Ottawa Ankle Rules. Revista AAOT (Argentina). June 2:150-154.
4. **Pascual-Garrido C.** Tibial Pilon Fractures: Minimal Invasive Osteosynthesis Procedure. Revista AAOT (Argentina) November: 125-136.
5. Caviglia H, **Pascual-Garrido C**, Palazzi FF, Meana NV. Pediatric fractures of the humerus. Clin Orthop Relat Res. 2005 Mar;(432) 49-56.
6. Makino A, Aponte Tinao L, Ayerza MA, **Pascual-Garrido C**, Costa Paz M, Muscolo DL. Anatomic double-bundle posterior cruciate ligament reconstruction using double-double tunnel with tibial anterior and posterior fresh-frozen allograft. Arthroscopy. 2006 Jun; 22(6):684.e1-5.
7. **Pascual-Garrido C**, Mesenchymal and autologous chondrocyte cell-based repair of large full thickness defects of articular cartilage. Revista AAOT (Argentina) September; 71(3):254-257.
8. **Pascual-Garrido C**; McNickle AG; Cole BJ. Surgical Treatment Options for Osteochondritis Dissecans of the Knee. Sports Health Journal. 2009 Jul;1(4):326-334.
9. **Pascual-Garrido C**, Hakimiyan A, Rappaport L, Oegema T, Wimmer M, Chubinskaya S. Anti-apototic treatments prevent cartilage degradation after acute trauma to human ankle cartilage. Osteoarthritis Cartilage. 2009 Sep; 17(9):1244-1251.
10. Robert C Grumet, MD, **Cecilia Pascual-Garrido, MD**, Spencer S Kirk, BS, Allison G McNickle, BA, Brian J Cole, MD, MBA, Bernard R Bach, Jr, MD. Patología Articular y meniscal asociada

- con la reconstrucción primaria del ligamento cruzado anterior. *Trauma*; 2009 June;20(2):116-125.
11. Cole BJ, **Pascual-Garrido C**, Grumet RC. Surgical Management of articular cartilage defects of the knee. *Journal Bone Joint Surgery*. 2009 July;91(7):1778-1790.
 12. **Pascual-Garrido C**, Mc-Nickle A, Cole BJ. Tratamiento quirúrgico de la Osteochondritis disecante de rodilla. *Revista Argentina de Artroscopia*. 2009 Mayo, Vol 16.
 13. **Pascual-Garrido C**, Slabaugh MA, L'Heureux DR, Friel NA, Cole BJ. Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation: Prospective Evaluation at Average 4-Year Follow-up. *American Journal Sport Med*. 2009 Nov;37 Suppl 1:33S-41S.
 14. **Pascual-Garrido C, MD**, Friel NA, Kirk SS, McNickle A, Bush-Joseph C, Verma NN, Bach BR, Cole BJ. Midterm results of surgical treatments for adult Osteochondritis Dissecans of the knee. *American Journal Sport Med*. 2009 Nov;37 Suppl 1:125S-30S.
 15. **Pascual-Garrido C**, Tanoira I, Muscolo DL, Ayerza MA, Makino A. Viability of loose body fragments in Osteochondritis Dissecans of the knee. A series of cases. *International Orthopedics*. 2010 Aug;34(6):827-31.
 16. Cole BJ, **Pascual-Garrido C**, Grumet RC. Surgical management of articular cartilage defects in the knee. *JBSJ AM. Instr Course Lect*. 2010;59:181-204.
 17. Bajaj S, Shoemaker T, Hakimiyan A, Rappoport L, **Pascual-Garrido C**, Oegema TR, Wimmer MA, Chubinskaya S. Protective effect of P188 in the Model of Acute Trauma to Human Ankle Cartilage: the Mechanism of Action. *J Orthop Trauma*. 2010 Sep; 24(9):571-6.
 18. Makino A, **Pascual-Garrido C**, Tanoira I, Rolon A, Isola M, Muscolo DL. Mucoïd degeneration of the Anterior Cruciate Ligament. MRI, clinical, intraoperative and histological findings. *Knee Surg Sports Traumatology*. 2011 Mar;19(3):408-11.
 19. **Pascual-Garrido C**, Swanson B, Bannar MS. Closed proximal muscle rupture of the biceps brachii among wakeboarders. *Knee Surg Sports Traumatology*. 2012 Jun;20(6):1019-21.
 20. **Pascual-Garrido C**, Rolon A, Makino A. Treatment of chronic patellar tendinopathy with Autologous Bone Marrow Stem Cells. *Stem Cell International Journal*. January 2012;2012:953510.
 21. Nemani VM, Frank RM, Reinhardt KR, **Pascual-Garrido C**, Yanke AB, Drakos M, Warren RF. Popliteal venotomy during posterior cruciate ligament reconstruction in the setting of a popliteal artery bypass graft: a case report. *Arthroscopy*. 2012 Feb;28(2):294-9.
 22. Ghodadra N, Mall NA, Karas V, Grumet RC, Kirk S, McNickle AG, **Pascual-Garrido C**, Cole BJ, Bach BR Jr. Articular and Meniscal Pathology Associated with Primary Anterior Cruciate Ligament Reconstruction. *J Knee Surg*. 2013 Jun;26(3):185-93.
 23. **Pascual-Garrido C**, Swanson BL, Swanson KE. Transtibial versus low anteromedial portal drilling for anterior cruciate reconstruction: a radiographic study of femoral tunnel position. *Knee Surg Sports Traumatology*. 2013 Apr; 21(4):846-50.
 24. **Pascual-Garrido C**, Green D, Cole BJ. Surgical Osteochondritis Dissecans of the Knee in Children and Adolescents. *Current Opinion in Pediatrics*. 2013 Feb; 25(1):46-51.
 25. **Pascual-Garrido C**, Carbo L, Makino A. Revision of Anterior Cruciate Ligament Reconstruction with Allografts in Patients Younger than 40 Years Old: a 2 to 4 year result. *Knee Surg Sports Traumatol Arthrosc*. 2014 May; 22(5):1106-11.

26. Angeline ME, Ma R, **Pascual-Garrido C**, Voigt C, Deng, XH, Warren RF, Rodeo SA. The Effect of Diet-Induced Vitamin D Deficiency on Rotator Cuff Healing in a Rat Model. *Am J Sports Med.* 2014 Jan; 42(1):27-34.
27. Mei-Dan O, **Pascual-Garrido C** et al. Inside Out: A Novel Labral Repair and Advancement Technique. *Arthrosc Tech.* 2014 Mar 21; 3(2):e241-4.
28. Mei-Dan O, McConkey MO, Bravman JT, Young DA, **Pascual-Garrido C**. Percutaneous Derotational Femoral Osteotomy for excessive femoral torsion. *Orthopedics.* 2014 Apr; 37(4):243-9.
29. Moran CJ, **Pascual-Garrido C**, Chubinskaya S, Potter HG, Warren RF, Cole BJ, Rodeo SA. Restoration of Articular Cartilage. *JBJS Am. J Bone Joint Surg Am.* 2014 Feb 19; 96(4):336-44.
30. **Pascual-Garrido C**, McConkey MO, Young DA, Bravman JT, Mei-Dan O. Can Hip Arthroscopy be performed with conventional knee-length instrumentation? *Arthroscopy.* 2014 Dec; 30(12):1588-94.
31. Nacius LA, **Pascual-Garrido C**, Sagiv P, Mei-Dan O. Skin closure after arthroscopy utilizing a pull-out bow-tie subcuticular suture. *Muscles Ligaments Tendons J.* 2015 Feb 5; 4(4):404-6.
32. Chahla J, **Pascual-Garrido C**, Rodeo SA. Ligament Reconstruction in Congenital Absence of the Anterior Cruciate Ligament: A Report of Two Cases. *HSS J.* 2015 Jul; 11(2):177-81.
33. Mei-Dan O, **Pascual-Garrido C**, Moreira B, McConkey MO, Young DA. The Role of Hip Arthroscopy in Investigating and Managing the Painful Hip Resurfacing Arthroplasty. *Arthroscopy.* Nov. S0749-8063(15)00707-0.
34. Chadayammuri V, Garabekyan T, Jesse MK, **Pascual-Garrido C**, Strickland C, Milligan K, Mei-Dan O. Measurement of lateral acetabular coverage: a comparison between CT and plain radiography. *Journal of Hip Preservation Surgery.* 2015 2(4): 392-400.
35. Moreira B, **Pascual-Garrido C**, Chadayamurri V, Mei-Dan O. Eversion-Inversion Labral Repair and Reconstruction Technique for Optimal Suction Seal. *Arthrosc Tech.* 2015 Nov 16;4(6):e697-700
36. Mei-Dan O, Garabekyan T, McConkey M, **Pascual-Garrido C**. Arthroscopic Anterior Capsular Reconstruction of the Hip for Recurrent Instability. *Arthrosc Tech.* 2015 Nov 16;4(6):e711-5.
37. Chadayammuri V, Garabekyan T, Bedi A, **Pascual-Garrido C**, Rhodes J, O'Hara J, Mei-Dan O. Passive Hip Range of Motion Predicts Femoral Torsion and Acetabular Version. *J Bone Joint Surg Am.* 2016 Jan 20; 98(2):127-34.
38. Chahla, Dean and **Pascual-Garrido C**. Proximal Rectus Femoris Avulsion Repair. *Arthroscopy Techniques.* 2016 May 30;5(3):e545-9.
39. Kraeutler MJ, Kaenkumchorn T, **Pascual-Garrido C**, Wimmer MA, Chubinskaya S. Peculiarities in Ankle Cartilage. *Cartilage Journal.* 2017 Jan;8(1):12-18.
40. **Pascual-Garrido C**, Morris BL, Dayton MR. Clinical and functional outcomes of the Birmingham Hip Resurfacing System. *Orthopedics.* 2016 Mar-Apr;39(2):e236-9.
41. Garabekyan T, Chadayammuri V, **Pascual-Garrido C**, Mei-Dan O. All Arthroscopic Ligamentum Teres Reconstruction with Graft Fixation at the Femoral Head- Neck Junction. *Arthroscopy Techniques.* February 2016 Feb 15;5(1):e143-7.

42. **Pascual-Garrido C**, Schrock JB, Mitchell JJ, Camino Willhuber G, Mei-Dan O, Chahla J. Arthroscopic Fixation of Os Acetabuli Technique: When to Resect and When to Fix . Arthroscopy Techniques. 2016 Oct 10;5(5):e1155-e1160.
43. Chahla J, Dean CS, Moatshe G, **Pascual-Garrido C**, Serra Cruz R, LaPrade RF. Concentrated Bone Marrow Aspirate for the Treatment of Chondral Injuries and Osteoarthritis of the Knee: A Systematic Review of Outcomes. OJSM. 2016 Jan 13; 4(1): 2325967115625481.
44. Chahla J, Dean CS, **Pascual-Garrido C**. Core Decompression Augmented with Autologous Bone Marrow Aspiration Concentrate for Early Avascular Necrosis of the Femoral Head. Arthroscopy Techniques. 2016 Jun 13;5(3):e615-20.
45. Chahla J, LaPrade R, Nho S, Mei-Dan, MJ Philippon and **Cecilia Pascual-Garrido**. Biological Therapies for Cartilage Lesions in the Hip: A New Horizon. Orthopedics. 2016 Jul 1;39(4):e715-23.
46. Garabekyan T, Ashwell ZR, Chadayammuri V, Jesse MK, **Pascual-Garrido C**, Petersen B, Mei-Dan O. Lateral Acetabular Coverage Predicts Size of the Hip Labrum. AJSM (American Journal Sports Medicine). 2016 Jun;44(6):1582-9.
47. **Pascual-Garrido C**, Angeline ME, Chahla J, Voigt C, Deng XH, Nguyen J, Warren RF, Rodeo SA. Low levels of Vitamin D have a deleterious effect on the Articular Cartilage in a Rat Model. HSS Journal. 2016 Jul;12(2):150-7.
48. Jorge Chahla, Javier Olivetto, Omer Mei-Dan y **Cecilia Pascual-Garrido**. Terapias Biologicas de las Lesiones del Cartilage de la Cadera. Revista Latinoamericana de Cirugia Ortopedica. 2016 (1):37-46.
49. Ignacio Dallo, Jorge Chahla, Justin Mitchell, **Cecilia Pascual-Garrido**, John Feagin and Robert LaPrade. Biologic Approaches for the Treatment of Partial Tears of the Anterior Cruciate Ligament. OJSM. 2017 Jan 25;5(1):2325967116681724.
50. Chahla J, Piuizzi NS, Mitchell JJ, Dean CS, **Pascual-Garrido C**, LaPrade RF, Muschlet GF. Intra-articular Cellular Therapy for Osteoarthritis and Focal Cartilage Defects of the Knee: A Systematic Review of the Literature and Study Quality Analysis. J Bone Joint Surg Am. 2016 Sep 21; 98 (18): 1511-21.
51. **Pascual-Garrido C**, Daley E, Verma, NN, Cole BJ. A Comparison of the Outcomes for Cartilage Defects of the Knee Treated with Biologic Resurfacing versus Focal Metallic Implants. Arthroscopy. 2017 Feb;33(2):364-373.
52. **Pascual-Garrido C**, Jiandong Hao, John Schrock, Omer Mei-Dan and Jorge Chahla. Arthroscopic Juvenile Allograft Cartilage Implantation for Cartilage Lesions in the Hip. Arthroscopy Techniques. 2016 Aug 22; 5(4):e929-e933.
53. Jorge Chahla, Javier Olivetto y **Cecilia Pascual-Garrido**. Terapias Biologicas para el Tratamiento de las Lesions del Cartilago de la Cadera. Revista Latinoamericana de Ortopedia. 2016 Jan-March;1(1): 37-46.
54. Kraeutler, Chahla, Chase, Mitchell, Pinney and **Pascual-Garrido C**. Current Concepts Review Update: Osteochondral Lesions of the Talus. Foot Ankle Int. 2017 Mar;38(3):331-342.
55. Kraeutler, Garabekyan, **Pascual-Garrido**, Mei-Dan. Ligamentum Teres Tendinopathy and Tears. Muscles, Ligaments Tendons J. 2016 Dec 21;6(3):337-342.
56. Kraeutler, Garabekyan, **Pascual-Garrido**, Mei-Dan. Hip Instability: A review of Hip Dysplasia and other Contributing Factors. Muscles, Ligaments Tendons J. 2016 Dec 21;(3):343-353.

57. Ashwell ZR, Flug, Chadayammuri, **Pascual-Garrido**, Garabekyan and Mei-Dan. Lateral Acetabular Coverage as a predictor of femoroacetabular Cartilage Thickness. *J of Hip Preserv Surg.* 2016 November 10;3(4): 262-269.
58. Chadayammuri V, **Pascual-Garrido C**, Garabekyan T, Kraeutler MJ, Milligan K, Bedi A, Mei-Dan O. Effect of General Anesthesia on Preoperative Hip Range of Motion in patients Undergoing Hip Arthroscopy. *Orthopedics.* 2016 Nov 29;39(6):e1165-e1169.
59. Kraeutler MJ, Kaenkumchorn T, **Pascual-Garrido C**, Wimmer MA, Chubinskaya S. Peculiarities in Ankle Cartilage. *Cartilage.* 2017 Jan;8(1):12-18.
60. Rodriguez-Fontan F, Chahla J, Piuzzi NS, Payne K, Muschler GF, LaPrade RF, **Pascual-Garrido C**. Celulas madre y progenitora para la reparacion del cartilage articular. *Rev Latinoam, Cir Orthop.* 2016 April-June;1(2):66-76.
61. Rodriguez- Fontan, Piuzzi NS, Chahla J, Payne K, LaPrade RF, Muschler GF, **Pascual-Garrido C**. Stem and Progenitor Cells for Cartilage Repair: Source, Safety, Evidence and Efficacy. *Operative Techniques in Sports Medicine* 2017 March 25(1):25-33.
62. Piuzzi NS, Chahla J, Schrock J, LaPrade RF, **Pascual-Garrido C**, Mont MA, Muschler GF. Evidence for the use of cell-based therapy for the treatment of osteonecrosis of the femoral head: A systematic Review of the literature. *J Arthroplasty.* 2017 May;32(5):1698-1708.
63. Hatakeyama A, Uchida S, Utsunomiya H, **Pascual-Garrido C**, Sekiya H. Isolation and Characterization of Synovial Mesenchymal Stem Cell Derived from Hip Joints: A comparative Analysis with a Matched Control Knee Group. *Stem Cells International.* 2017 Jan;1(6).
64. Kraeutler MJ, Mitchell J, Chahla J, McCarty E ,**Pascual-Garrido C**. Intra-articular implantation of Mesenchymal stem cells, Part 1. A review of the literature in prevention of Post-Meniscectomy OA. *Orthop J Sports Med.* 2017 Jan 19;5(1):2325967116680815.
65. Kraeutler MJ, Mitchell JJ, Chahla J, McCarty EC, **Pascual-Garrido C**. Intra-articular implantation of Mesenchymal stem cells, Part 2. A review of the literature for Meniscal Regeneration. *Orthop J Sports Med.* 2017 Jan 19;5(1):2325967116680814.
66. Dallo I, Chahla J, **Pascual-Garrido C**, Feagan JA, LaPrade RF. Biological approaches for the treatment of Partial Tears of the Anterior Cruciate Ligament. *Current Concepts Review. Orthop J Sports Med.* 2017 Jan 25;5(1):2325967116681724.
67. **Pascual-Garrido C**, Harris M, Clohisy JC. Innovations in Joint Preservation Procedures for the Dysplastic Hip “The Periacetabular Osteotomy”. *J Arthroplasty.* 2017 Feb14.
68. Chahla J, Sanchez G, Moatshe G, Richards A, Van der Walt C, **Cecilia Pascual-Garrido**. Vascular Coloration for Anatomical Study of the Pelvis and Hip: Implications in Hip Preservation surgery. *Arthrosc Tech.* 2017 Feb;6(1):e133-e136.
69. Soshi Uchida, **Cecilia Pascual-Garrido**, Yasuo Ohnishi, Hajime Utsunomiya, Yohei Yukizawa, Jorge Chahla and Akinori Sakai. Arthroscopic Shoelace Capsular Closure Technique in the Hip Using Ultratape. *Arthroscop Tech.* 2017, Feb;6(1):157-161.
70. Piuzzi NS, Chahla J, Jiandong H, Chughtai M, LaPrade RF, Mont MA, Muschler GF, **Pascual-Garrido C**. Analysis of Cell Therapies Used in Clinical Trials for the Treatment of Osteonecrosis of the Femoral Head: A Systematic Review of the Literature. *J Arthroplasty.* 2017 Mar 15. pii: S0883-5403(17)30195-X.
71. Rodriguez-Fonton F, Piuzzi NS, Chahla J, Payne K, LaPrade RF, Muschler GF, **Pascual-Garrido C**. Stem and Progenitor Cells for Cartilage Repair: Source, Safety, Evidence, and Efficacy. 2017 March; 25(1):25-33.

72. Kraeutler MJ, Anderson J, Chahla J, Mitchell JJ, Thompson-Etzel R, Mei-Dan O, **Pascual-Garrido C**. Returning to running after arthroscopic hip surgery: literature review and proposal of a physical therapy protocol. *Journal of Hip Preservation Surg.* 2017 Apr 11;4(2):121-130.
73. Ohnishi Y, **Pascual-Garrido C**, Kumagae H, Sakai A, Uchida S. Arthroscopic Technique for Isolated Posterolateral Rotational Instability of the Knee. *Arthosc Tech.* 2017 May6;6(2):e291-295.
74. Kraeutler MJ, Chahla J, LaPrade RF, **Pascual-Garrido C**. Biologic Options for Articular Cartilage Wear (Platelet-Rich Plasma, Stem Cells, Bone Marrow Aspirate Concentrate). *Clin Sports Med.* 2017 Jul; 36(3):457-468.
75. **Pascual-Garrido C**, Rodriguez-Fontan F, Bryant SJ, Aisenbrey EA, Chahla J, Payne KA, Goodrich LR. Mesenchymal stem cells (MSCs) delivered in a novel hydrogel for the treatment of chondral defects in a rabbit animal model. *Journal of Orthopaedic Research.* 2017 35;Supplement 1.

SUBMITTED FOR PUBLICATION (IN PRESS):

1. Chahla J, Rodeo S. **Pascual-Garrido C**. Posteromedial Reconstruction of the Knee With a Mini-Invasive Technique. A Cadaveric Study. *Arthroscopy.* Under Review 2017.
2. Francisco Rodriguez-Fontan, Payne K, Uchida S and **Pascual-Garrido C**. Viability and Tissue Quality of Cartilage Flaps from Patients with Femoroacetabular Hip. Impingement: Comparison with Matched Controls” *Orthopedic Journal Sports Medicine.* In Press 2017.
3. Aisenberry EA, Tomasschke A, Kleinjan E, Muralidharan A, **Pascual-Garrido C**, McLeod RR, Ferguson VL, Bryant SJ. A Stereolithography-based 3D printed Hybrid Scaffold for *In Situ* Cartilage Defect Repair. Under Review 2017.
4. Rodriguez-Fontan F, **Pascual-Garrido C**. Hidrogeles de Formacion In Situ e Hidrogeles tri-Dimensionales: Fuentes Potenciales para la Regeneracion de Cartilage Articular. *SLAOT In Review* 2017.

BOOK EDITOR:

Jorge Chahla, Justin Mitchell, **Cecilia Pascual-Garrido** and Mark Philippon. *Hip Arthroscopy. From Basic Skills to Advanced Techniques.* 2016

BOOK CHAPTERS:

1. **Pascual-Garrido C**. Results and complications on knee revision surgery. Ortego Andreau; Rodriguez-Merchan and Alonso Carro. *Revision Arthroplasty of the knee.* Editorial Panamericana (Spain) Chapter 17. 2001
2. **Pascual-Garrido C**. Synoviorthesis in patients with high responder inhibitors. Rodriguez-Merchan EC and Lee CA. *Inhibitors in patients with hemophilia.* Blackwell Science (England). Chapter 9: 124-129. 2002

3. **Pascual-Garrido C.** Tissue engineering for articular cartilage. *Regenerative Medicine and Stem Cells (Argentina)*. Pp: 197-205. From cell therapy to tissue engineering. Pablo Argibay-Unver Nacional de Quilmes Ed. 2006
4. Cole BJ, **Pascual-Garrido C**, Grumet RC. Overview and Indications for Articular Cartilage Restoration in Advanced Reconstruction of the Knee, Ed. Lieberman, Berry, Azar. Chapter 53. 2011
5. Osteochondritis Dissecans. *Master Techniques in Orthopaedic Surgery: Sports Medicine*. Editor: Freddie H. Fu, M.D. **Pascual-Garrido C**, Slabaugh M, Friel N, Cole BJ. 2011
6. **Pascual-Garrido C**, Chubinskaya S. Potential Targets for Pharmacological Therapies. *Posttraumatic Arthritis: Pathogenesis, Diagnosis and Management*. 2015
7. **Pascual-Garrido C**, Rodeo SA. Biology of Cartilage Regeneration in the Articular Lesions: Prevention and Treatment. McCarthy, Villar & Noble: *Diagnosis and Surgical Treatment of Hip Disease*. 2015
8. Matthew J Kraeutler, Abigail Richards, Jorge Chahla, Robert LaPrade and **Cecilia Pascual-Garrido**. Biologic Options for Articular Cartilage Wear. Edited by McCarty. Chapter 4. 2016
9. **Pascual-Garrido C** et al. Pelvis, Hip and Thigh Injuries. *Netter's Sports Medicine*, 2nd Edition. Edited by Dr. Christopher Madden, Margot Putukian, Craig Young and Eric McCarty. Chapter 54. 2016

PRESENTATIONS:

1. **Pascual-Garrido C**, Illarramendi A "Induction of a pseudoarthrosis: a study using a rodent model". 5th Combined meeting of the *Orthopaedic Research Societies*. Banff, Canada. 2005
2. **Pascual-Garrido C**, Makino A "Stem cells and ACI repair capacity. Histology and MRI Evaluation. 6th *ICRS Symposium (International Cartilage Repair Society)*. San Diego, CA. 2006
3. **Pascual-Garrido C**, Makino A "Osteochondral Cylinder Transplantation of the Patella. A clinical and MRI 3D Evaluation. 6th *ICRS Symposium (International Cartilage Repair Society)*. San Diego, CA. 2006
4. **Pascual-Garrido C**, Illarramendi A. "The effects of Unicortical Osteotomy on Bone Non-Union in a rat model". *Orthopedics Research Society*. Chicago, IL. 2006
5. **Pascual-Garrido C**, Makino A "Mesenchymal and Autologous Chondrocyte Cell Based Repair of Large Full Thickness defects of articular cartilage". *Orthopedics Research Society*. Chicago, IL. 2006
6. **Pascual-Garrido C**, Makino A "Muroid Degeneration of the ACL". Fourth *SICOT/SIROT Annual International Conference*. August ARGENTINA. 2006
7. **Pascual-Garrido C**, Makino A "Mesenchymal and Autologous Chondrocyte Cell- Based Repair of large full thickness defects if Articular Cartilage." Fourth *SICOT/SIROT Annual International Conference*. August ARGENTINA. 2006

8. **Pascual- Garrido C**, Buttaro MA, Piccaluga F. “Core decompression and autologous stem cell inoculation for the treatment of femoral head osteonecrosis. Preliminary Study” .*Fourth SICOT/SIROT Annual International Conference*. ARGENTINA. 2006
9. **Pascual-Garrido C**, “Stem Cells Cartilage Repair Capacity. Cartilage Articular Lesions Meeting”. *MAPFRE*. SPAIN. 2006
10. **Pascual-Garrido C**, Makino A “Viability of lost intraarticular knee fragments” *Orthopaedics Research Society*. San Diego, CA. 2007
11. **Pascual- Garrido C**, Makino A “Chondrogenic potential of chondrocytes or fibroblast inoculated under periosteum flap in a rabbit model” 8 *EFORT Congress* Florence ITALY. 2007
12. **Pascual-Garrido C** “The role of cell death and caspases in articular cartilage degeneration in an acute trauma model”. Forum for Research and Clinical Investigation. Rush University Medical Center. Chicago. IL.USA. 2008
13. **Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S. “Use of anti-apoptotic treatments to prevent cartilage degradation in vitro after acute trauma to human ankle cartilage”. Orthopaedic Trauma Association, Denver, CO. 2008
14. **Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S “Inhibition of cell death prevents cartilage degradation in acute trauma model”. OARSI (World congress on Osteoarthritis).Meeting. Rome, Italy. 2008
15. **Pascual-Garrido C**, Makino A. Viability Assessment of Intraarticular Osteochondral Knee Fragments – Paper. 7th Biennial ISAKOS Congress • Osaka, Japan • April 5 - 9, 2009.
16. **Pascual-Garrido C**; Hakimiyan A; Rappaport L; Oegema T, Wimmer M; Chubinskaya S. Use of Anti-apoptotic Treatments to Prevent Cartilage Degradation In Vitro After Acute Trauma to Human Ankle Cartilage – Paper. 7th Biennial ISAKOS Congress • Osaka, Japan • April 5 - 9, 2009.
17. **Cecilia Pascual-Garrido, MD**; Mark Slabaugh, MD; Daniel R. L'Heureux, BS; Brian J. Cole , MD, MBA. “Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up”. Podium presentation at the AOSSM 2009 Annual Meeting 07/11/09. Keystone, Colorado. 2009
18. **Cecilia Pascual-Garrido, MD**; Mark Slabaugh, MD; Daniel R. L'Heureux, BS; Brian J. Cole, MD, MBA. “Recommendations and Treatment Outcomes for Patellofemoral Articular Cartilage Defects with Autologous Chondrocyte Implantation (ACI): Prospective Evaluation at Average 4-Year Follow-up”. ICRS- Miami, FL. 2009
19. **Pascual-Garrido C**, MD, Hakimiyan A, Rappaport L, Margulis A, Oegema T, Wimmer M, Chubinskaya S. Anti- apoptotic treatments prevent cartilage degradation alter acute trauma to human ankle cartilage. 55th Annual Meeting of the Orthopedics Research Society. Las Vegas, NV. 2009
20. S Bajaj, K Sampath, **C Pascual-Garrido**, F Hirschfeld, AA Hakimiyan, L Rappaport, MA Wimmer, TR Oegema, S Chubinskaya P188 alone or in combination with OP-1 is effective in

reducing cartilage degeneration and promotion cell survival in the model of acute trauma to human ankle cartilage: the mechanism of action. OARSI 2009.

21. **Cecilia Pascual-Garrido**. Surgical treatment options for cartilage defects in the knee. Invitation. ICRS. Miami, Florida. 2009
22. **Cecilia Pascual-Garrido** and BJ Cole. Treatment of Full Thickness Focal Articular Cartilage Lesions in the Femoral Condyle of Middle-Aged Patients: A population Matched Comparison of Biological Procedures and Focal Prosthetic Inlay Resurfacing. ISAKOS. Rio de Janeiro, Brazil 2011.
23. **Pascual-Garrido C**, Gold S, Angeline ME, Gee AO, Burge AJ, Steele J, Potter HG, Dines JS, Altchek DW. ASES. American Shoulder and Elbow Closed Meeting. Osteochondritis Dissecans of the Glenoid in Overhead Athletes: Clinical and MRI Findings. Sea Island, Georgia 2013.
24. **Cecilia Pascual-Garrido MD**; Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical evaluation of chondral lesions treated with allografts juvenile cells. Podium Presentation. AAOS 2013.
25. Michael E. Angeline, Richard Ma, **Cecilia Pascual-Garrido**, Clifford Voigt, Xiang Hua Deng, Russell F. Warren and Scott A. Rodeo. The Effect of Vitamin D Deficiency on Rotator Cuff Healing in A Rat Model. Podium Presentation. AAOS 2013.
26. **Pascual-Garrido C**, Angeline ME, Ma R, Voigt C, Nguyen j, Warren RF, Rodeo SA. Low levels of Vitamin D effect on Cartilage and subchondral bone in a Rat Model. Podium Presentation. ORS 2013.
27. **Cecilia Pascual-Garrido MD**; Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical evaluation of chondral lesions treated with allografts juvenile cells. Podium Presentation. Finalist at ORS 2013.
28. **Pascual-Garrido C**, Gold SL, Angeline ME, Gee AO, Burge AJ, Steele J, Potter HG, Dines JS, Altchek DW. Osteochondritis Dissecans of the Glenoid in Overhead Athletes: Clinical and MRI Findings. Japan ICSES 2013.
29. Ma R, Angeline ME, **Pascual-Garrido C**, Warren RF and Rodeo SA. The Impact of Vitamin D Deficiency on Musculoskeletal Health and Orthopaedic Outcomes. Scientific Exhibit AAOS 2013.
30. Stephanie L. Gold BA; Jaclyn Snikeris BS; Alissa J. Burge MD; Joseph Nguyen MPH, Hollis G. Potter MD; Russell F. Warren MD; Riley J. Williams MD; Scott A. Rodeo MD. Magnetic Resonance imaging and clinical evaluation of chondral lesions treated with allografts juvenile cells. Podium Presentation AOSSM 2013.
31. Viability and Histological analyzes of chondral flaps of patients with FAI Cam type. ISHA. Rio de Janeiro, Brazil 2014.
32. Can Hip Arthroscopy be performed with conventional knee length instrumentation? ISHA. Rio de Janeiro, Brazil 2014.

33. Growth factors intrinsic to Cartilage Repair. ICRS. Chicago, IL 2015.
34. Clinical, Biologic, and Genetic Evaluation of Synovial Fluid across a Spectrum of Cartilage Damage within the Human Hip, Knee and Shoulder BAJA (Biomarkers in Joint Arthroscopy/Arthroplasty) Group. Biological Treatments for Sports Injuries. Grant Workshop. Co-Principal Investigator. AOSSM, Orlando, FL 2015.
35. Biological Treatments for Sports Injuries. Grant Workshop. Principal Investigator. Cartilage Repair with Mesenchymal Stem Cells (MSCs) delivered in a Novel Chondroitin Sulfate/ polyethylene glycol Hydrogel in an Equine Animal Model. AOSSM, Orlando, FL 2015.
36. Biological Treatments for Sports Injuries. Grant Workshop. Principal Investigator. A Novel Transchondral Microfracture Technique for Chondral Bubble Lesions in a Goat Animal Model. AOSSM, Orlando, FL 2015.
37. Histological and Viability Evaluation of Chondral Flaps of Patients with Cam Type FAI The 10th Biennial ISAKOS Congress. Lyon, France June 7-11, 2015.
38. The Role of Hip Arthroscopy in Investigating and Managing the Painful Resurfacing Hip Arthroplasty. The 10th Biennial ISAKOS Congress, Lyon, France, June 7-11, 2015.
39. Can Hip Arthroscopy be performed with Conventional Knee Length Instrumentation? E-Poster. The 10th Biennial ISAKOS Congress. Lyon, France June 7-11, 2015.
40. Comparison of Pre-Operative Hip Range of Motion with and without General Anesthesia in Patients with FAI. E-Poster. The 10th Biennial ISAKOS Congress. Lyon, France June 7-11, 2015.
41. Arthroscopic Combined Ligamentum Teres Reconstruction with Posterior Capsular Re-Insertion for Recurrent Posterior Instability of the Hip. ISHA, 2015 September 24th-26th. Cambridge, England.
42. Clinical Outcomes of Treatment of Early OA for the Knee and Hip with Bone Marrow Aspirate Concentrate. ICRS, 2016 September 24-27, Sorrento Naples, Italy.
43. Chondral flaps in Patients with Femoral Acetabular Impingement Cam type are not suitable for Reattachment and Preservation. ORS San Diego, CA March 19-22, 2017. ORS 2017 Annual Meeting Poster No. 0489.
44. Mesenchymal Stem Cell (MSCs) Delivered in a Novel Hydrogel for the Treatment of Chondral Defects in a Rabbit Model. ORS 2017 Annual Meeting San Diego, CA; March 19-22 Poster No. 2362.
44. Cartilage Repair with Mesenchymal Stem Cells (MSCs) Delivered in a Novel Chondroitin Sulfate/Polyethylene Glycol Hydrogel in a Rabbit Animal Model. AOSSM 2017 Annual Meeting Toronto, Canada. July 20-23 Paper 120.
45. Viability and Tissue Quality of Cartilage Flaps from Patients with Femoroacetabular Hip Impingement: Comparison with Matched Controls. SICOT Cape Town, South Africa; Nov 30-December 2, 2017.

46. Mesenchymal Stem Cell (MSCs) Delivered in a Novel Hydrogel for the Treatment of Chondral Defects in a Rabbit Model. SICOT Cape Town, South Africa; Nov 30-December 2, 2017.

TEAM COVERAGE:

- 2011-2012 Assistant Physician to the Mets. NBL. New York
2011 Assistant Physician in US-Open Tennis. New York
2011-2012 Assistant Physician to the Knicks. NBA. New York
2011-2012 Physician of Tootenville High School Football. Staten Island, New York.

COURSES:

- 2014 5th ICRS Laboratory Skills Course for Translational Science “Animal Models” Hands-on Course & Lectures “From the Lab to the Clinic” Fort Collins, CO.
- 2015 Medical and Scientific Writers’ Workshop. HSS Course, NY-NY.
- 2015 AOSSM. Hip Surgical Skills Course, Rosemont Chicago. April 10-12th.
- 2015 Writing/Designing NIH Proposals Workshop. University of Colorado Boulder. April 3rd.
- 2015 ORS/OREF/AAOS New Investigator Workshop Program, Rosemont, Chicago, May 15-16, 2015.
- 2015 AAOS/AOSSM/POSNA/AAHKS/ Open and Arthroscopic Techniques for Adolescent and Young Adult Hip Preservation Disorder. July 23-24. Rosemont, Chicago.
- 2015 AAOS/OREF/ORS Clinician Scholar Career Development Program. Rosemont, Chicago Sept 17-19.
- 2017 Surgical Preservation of the Hip: Update 2017. AO North America. January 17-20, 2017. Marco Island, Florida.
- 2017 Hip Arthroscopy and Preservation Procedures: Hip Skills Course. February 17-18, 2017. St. Louis, Missouri.
- 2017 ORS Grant Writing Workshop April 27-29, 2017. Baltimore, Maryland.

JOURNAL REVIEWER:

BMC Musculoskeletal Disorders Journal
Knee Surgery Sports Traumatology Arthroscopy
International Orthopedics
Sports Medicine and Arthroscopy Review
International Journal of Shoulder Surgery
Journal of Orthopedic Research
Journal of Pain Research
ORS Abstracts reviewer
ISAKOS Journal Reviewer
American Journal of Sports Medicine