

Connor Grant Ziegler

www.drconnorzieglermd.com

New England Orthopedic Surgeons
300 Birnie Avenue, #201
Springfield, MA 01107

Employment	August 2018 – present	New England Orthopedic Surgeons, Springfield, MA.
Education		
Fellowship	July 2017 – August 2018	The Steadman Philippon Research Institute/The Steadman Clinic, Vail, CO
Residency	July 2012 – June 2017	University of Connecticut Health Center Orthopaedic Surgery
Medical School	August 2008 – May 2012	University of Minnesota M.D.
Undergraduate	September 2004 – June 2008	Gustavus Adolphus College B.A., Biology
Honors/Awards		
Practice	2019 Excellence in Research Award, AOSSM. <i>Characterization of Growth Factors, Cytokines and Chemokines in Bone Marrow Concentrate and Platelet Rich Plasma: A Prospective Analysis</i> <ul style="list-style-type: none">- Award given to the best paper submitted in any category to the AOSSM Awards Committee with a primary author under the age of 40.	
Fellowship	2017 – 2018, Steadman Clinic/Steadman Philippon Research Institute, Vail, CO <ul style="list-style-type: none">- Fellow Research Award for Best Basic Science Paper, SPRI Research Award Committee. July 28, 2018, Avon, Colorado.	
Residency	2012 – 2017, University of Connecticut Health Center, Farmington, CT <ul style="list-style-type: none">- Resident Research Award, Connecticut Orthopaedic Society Annual Meeting. May 12, 2017, Farmington, Connecticut.- Faculty nomination for resident representative at 2016 American Orthopaedic Association Resident Leadership Forum. June 21-22, 2016, Seattle, Washington.- Invited Young Investigator, AAOS/ORS Biologic Treatments for Orthopaedic Injuries Research Symposium. November 5-7, 2015, Rosemount, Illinois.	
Medical School	2008 – 2012, University of Minnesota Medical School, Minneapolis, Minnesota <ul style="list-style-type: none">- Co-author on <i>ESSKA Best Paper in Ligament and Biomechanics Smith and Nephew Award</i> (2010)- Alice Tweed Tuohy Scholarship (2009, 2010)- Edwin H. Eddy Family Foundation Essay Scholarship (2009)- St. Mary's Auxiliary Scholarship (2009)	

Undergraduate

2004 – 2008, Gustavus Adolphus College, St. Peter, Minnesota

Academic:

- NCAA Postgraduate Scholarship (2008, *awarded to NCAA's most accomplished student-athletes based on NCAA championship participation, academic achievements, campus involvement, community service, volunteer activities, leadership, and characteristics necessary to succeed and thrive through postgraduate study*)
- Magna cum laude
- Academic All American (2006, 2007, 2008)
- Academic All-Conference (2005, 2006, 2007, 2008)
- Academic All American Honorable Mention (2005)
- President's List (2008)
- Dean's List (2007)
- Dean's Scholarship (2006-2008)
- Trustee Scholarship (2004-2006)
- Health Partners Academic Scholarship (2004)
- Kopp Foundation Scholarship (2004)

Service related:

- Inducted into Upsilon Omicron chapter of the Order of Omega Honor Society (2008, *honor bestowed to top 3% of students for scholarship, leadership, and involvement within Greek, campus, and local community*)
- Gustavus Adolphus College Fraternity Man of the Year (2007, based on leadership and philanthropy)
- Gustavus Adolphus College Community Service Project of the Year (2007, project leader)

Athletic:

- *NCAA Postgraduate Scholarship* (2008)
- ESPN The Magazine Academic All-America Men's At-Large Team (2008)
- ESPN The Magazine Academic All-District V First Team (2008)
- ESPN The Magazine Academic All-District V Second Team (2007)
- Minnesota Intercollegiate Athletic Conference champ in 200-yard butterfly
- 11-time All-Conference in swimming
- 7-time All American consideration in swimming
- Former Varsity record holder in 200-yard butterfly
- Voted hardest worker on college swimming team (2006, 2007, 2008; most for any individual athlete in program history)

Research Grants

- | | |
|---------------------|--|
| 06/27/09 – 09/01/09 | Minnesota Medical Foundation, " <i>Quantitative Anatomy of the Anteromedial and Posterolateral Bundles of the Anterior Cruciate Ligament</i> "
\$3,000.00 |
| 05/01/11 – 09/01/11 | Minnesota Medical Foundation, " <i>Quantitative T2* Mapping for Improved Cartilage Assessment in Femoroacetabular Impingement</i> "
\$4,000.00 |

Peer Reviewed Publications

1. Kia C, O'Brien DF, **Ziegler CG**, Pacheco R, Forouhar F, Williams V. An unusual case of pigmented villonodular synovitis after total knee arthroplasty presenting with recurrent hemarthrosis. *Arthroplasty Today*. 2018 Aug 13.
2. Edgar C, Kumar N, Ware JK, **Ziegler CG**, Reed DN, DiVenere J, Obopilwe E, Cote MP, Arciero RA. Incidence of Posteromedial Meniscocapsular Separation and the Biomechanical Implications on the Anterior Cruciate Ligament. *The Journal of the American Academy of Orthopaedic Surgeons*. 2018 Aug.
3. Pache S, Aman ZS, Kennedy M, Nakama GY, Moatshe G, **Ziegler CG**, LaPrade RF. Meniscal Root Tears: Current Concepts Review. *Archives of Bone & Joint Surg*. 2018 Jul;6(4):250.
4. Pache S, Aman ZS, Kennedy M, Nakama GY, Moatshe G, **Ziegler CG**, LaPrade RF. Posterior Cruciate Ligament: Current Concepts Review. *Archives Bone & Joint Surg*. 2018 Jan; 6(1): 8-18.
5. Henn LL, Hughes J, Iisakka E, Ellermann J, Mortazavi S, **Ziegler CG**, Nissi MJ, Morgan P. Disease severity classification using quantitative magnetic resonance imaging data of cartilage in femoroacetabular impingement. *Statistics in Medicine*. 2017 Apr 30; 36(9):1491-1505.
6. **Ziegler CG**, Edgar C, Fulkerson J. Radiographic reference points are inaccurate with and without a true lateral radiograph: The importance of anatomy in medial patellofemoral ligament reconstruction. *Am J Sports Med*. 2016 Jan; 44(1):133-142.
7. **Ziegler CG**, Edgar C, Cote M, Mazzocca AD. Biological augmentation in repair and reconstruction of the rotator cuff. *Oper Tech Sports Med*. 2015 March; 23(1):2-10.
8. Ellermann J, **Ziegler CG**, Nissi M, Goebel R, Hughes J, Benson M, Holmberg P, Morgan P. Acetabular cartilage assessment in patients with femoroacetabular impingement using T2* mapping with arthroscopic verification. *Radiology*. 2014 Feb; 271(2):512-523.
9. Beitzel K, Cote M, Apostolakos J, Solovyova O, Judson C, **Ziegler C**, Edgar C, Imhoff A, Arciero R, Mazzocca A. Current concepts in the treatment of acromioclavicular joint dislocations. *Arthroscopy*. 2013 Feb; 29(2):387-397.
10. Anderson CJ, **Ziegler CG**, Wijdicks CA, Jansson K, Engebretsen L, LaPrade RF. Arthroscopically pertinent anatomy of the anterolateral and posteromedial bundles of the posterior cruciate ligament. *J Bone Joint Surg Am*. 2012 Nov; 94(21):1936-1945.
11. Pietrini SD, **Ziegler CG**, Anderson CJ, Johansen S, Engebretsen L, LaPrade RF. Radiographic landmarks for tunnel positioning in double-bundle ACL reconstructions. *Knee Surg Sports Traumatol Arthrosc*. 2011 May; 19(5):792-800.
12. **Ziegler CG**, Pietrini SD, Westerhaus BD, Anderson CJ, Wijdicks CA, Johansen S, Engebretsen L, LaPrade RF. Arthroscopically pertinent landmarks for tunnel positioning in single-bundle and double-bundle ACL reconstructions. *Am J Sports Med*. 2011 April; 39(4):743-752.
13. Anderson CJ, Westerhaus BD, Pietrini SD, **Ziegler CG**, Wijdicks CA, Johansen S, Engebretsen L, LaPrade RF. Kinematic impact of anteromedial and posterolateral bundle graft fixation angles on double-bundle anterior cruciate ligament reconstructions. *Am J Sports Med*. 2010 Aug; 38(8):1575-1583.
14. LaPrade RF, Oro FB, **Ziegler CG**, Wijdicks CA, Walsh MP. Patellar height and tibial slope after opening-wedge proximal tibial osteotomy: a prospective study. *Am J Sports Med*. 2010 Jan; 38(1):160-170.
15. Pietrini SD, LaPrade RF, Griffith CJ, Wijdicks CA, **Ziegler CG**. Radiographic identification of the primary posterolateral knee structures. *Am J Sports Med*. 2009 Mar; 37(3):542-551.

Technique Articles

1. Haber DB, Golijanin P, Stone GL, Sanchez A, Murphy CP, Peebles LA, **Ziegler CG**, Godin JA, Fox JA, Provencher MT. Primary Acromioclavicular-Coracoclavicular (AC-CC) Reconstruction Using 2 Allografts, TightRope, and Stabilization to the Acromion. *Arthroscopy Techniques*. 2019 Jan 21.
2. Aman ZS, Kennedy MI, Sanchez A, Krob JJ, Murphy CP, **Ziegler CG**, Provencher MT. Mini-open Repair of the Floating Anterior Inferior Glenohumeral Ligament: Combined Treatment of Bankart and Humeral Avulsion of the Glenohumeral Ligament Lesions. *Arthroscopy Techniques*. 2018 Nov 19.
3. Kennedy MI, DePhillipo ND, Chahla J, Armstrong C, **Ziegler CG**, Buckley PS, Bernhardson AS, LaPrade RF. Surgical Repair of Dynamic Snapping Biceps Femoris Tendon. *Arthroscopy Techniques*. 2018 Oct 8.

Accepted Manuscripts

1. **Ziegler CG**, Van Sloun S, Ganzales S, Whitney KE, DePhillipo ND, Kennedy MI, Dornan G, Evans TA, Huard J, LaPrade RF. Characterization of Growth Factors, Cytokines and Chemokines in Bone Marrow Concentrate and Platelet Rich Plasma: A Prospective Analysis
2. DePhillipo ND, **Ziegler CG**, Dekker TJ, Grantham WJ, Aman ZS, Kennedy MI, LaPrade RF. Lateral Posterior Tibial Slope in Male and Female Athletes Sustaining Contact Versus Noncontact ACL Tears: A Prospective Study.

Submitted Manuscripts

1. **Ziegler CG**, Aman Z, Storaci H, Finch H, Dornan G, Kennedy MI, Provencher MT, Hackett TR. Low-Profile Dual Small Plate Fixation is Biomechanically Similar to Larger Superior or Anteroinferior Single Plate Fixation of Midshaft Clavicle Fractures.

Book Chapters

1. **Ziegler CG**, Laurencin S, Romeo A, Mazzocca A. Injury to the Acromioclavicular and Sternoclavicular Joints. 5th edition of *DeLee & Drez's Orthopaedic Sports Medicine: Principles and Practice*.
2. **Ziegler CG**, Arciero RA. Clavicle Fractures, Surgical Treatment: Percutaneous Pinning. *Shoulder and Elbow Injuries in Athletes*, 1st edition.
3. Kennedy M, Aman ZS, **Ziegler CG**, LaPrade RF, Engebretsen L. Opening wedge distal femur osteotomy – Valgus knee. Submitted for publication in *Knee Surgery: Tricks of the Trade*.

Research Positions

1. Research assistant, University of Minnesota Center for Magnetic Resonance Research, Minneapolis, MN, May 2011 – June 2012
Supervised by Jutta Ellermann, M.D. and Patrick Morgan, M.D.
Project: Acetabular cartilage assessment in patients with femoroacetabular impingement using T2* mapping with arthroscopic verification
2. Research assistant, Biomechanics Research Department, Steadman Philippon Research Institute, Vail, CO, March 2011
Supervised by Robert LaPrade, M.D., PhD

Project: Arthroscopically pertinent anatomy of the anterolateral and posteromedial bundles of the posterior cruciate ligament

3. Research assistant, University of Minnesota Biomechanics Laboratory, Minneapolis, MN, June – September 2009

Supervised by Robert LaPrade, M.D., PhD

Projects: Arthroscopically pertinent landmarks for tunnel positioning in single-bundle and double-bundle ACL reconstructions

Kinematic impact of anteromedial and posterolateral bundle graft fixation angles on double-bundle anterior cruciate ligament reconstructions

Radiographic landmarks for tunnel positioning in double-bundle ACL reconstructions

4. Research assistant, University of Minnesota Biomechanics Laboratory, Minneapolis, MN, June – August 2007

Supervised by Robert LaPrade, M.D., PhD

Projects: Patellar height and tibial slope after opening-wedge proximal tibial osteotomy: a prospective study

Radiographic identification of the primary posterolateral knee structures

Abstracts

1. Griffith CJ, Pietrini SD, **Ziegler CG**, Wijdicks CA, LaPrade RF. Quantification of posterolateral knee radiographic landmarks. *Knee Surg Sports Traumatol Arthrosc.* 2008 May. 16(Suppl 1):S141.
2. LaPrade RF, Oro FB, **Ziegler CG**, Pietrini SD, Griffith CJ, Wijdicks CA. Patellar height after high tibial open wedge osteotomy. *Knee Surg Sports Traumatol Arthrosc.* 2008 May. 16(Suppl 1):S63.
3. Oro FB, **Ziegler CG**, LaPrade RF, Wijdicks CA, Pietrini SD. Patellar height after high tibial open wedge osteotomy. *Orthopaedic Research Society*, 2008 March.
4. Pietrini SD, LaPrade RF, Griffith CJ, Wijdicks CA, **Ziegler CG**. Quantification of posterolateral knee radiographic landmarks. *Orthopaedic Research Society*, 2008 March.

Podium Presentations

1. **Ziegler, CG**. Radiographic reference points are inaccurate with and without a true lateral radiograph: The importance of anatomy in medial patellofemoral ligament reconstruction. *Connecticut Orthopaedic Society Annual Meeting*. May 12, 2017, Farmington, Connecticut.
2. Witmer D, **Ziegler CG**, Reed D, Mazzocca A, Cote M. Glenoid Vault Penetration During Total Shoulder Arthroplasty: Effect on Patient Centered Outcomes. *AAOS Annual Meeting*, Las Vegas, NV, March 2015.
3. **Ziegler CG**. ACL Anatomy. *Joint Preservation Congress*. Warsaw, Poland, October 11, 2013.
4. LaPrade RF, **Ziegler CG**, Pietrini SD, Westerhaus BD, Anderson CJ, Johansen S, Engebretsen L. Landmarks for Tunnel Positioning in Single and Double Bundle ACL Reconstructions. 14th *ESSKA Congress*, Oslo, Norway, June 9-12, 2010.

5. Anderson CJ, Westerhaus BD, **Ziegler CG**, Wijdicks CA, Johanson S, Engebretsen L, LaPrade RF. The Kinematic Impact of Anteromedial and Posterolateral Bundle Graft Fixation Angles on Double-Bundle ACL Reconstructions. 14th ESSKA Congress, Oslo, Norway, June 9-12, 2010.
6. LaPrade RF, Oro FB, **Ziegler CG**, Pietrini SD, Griffith CJ, Wijdicks CA. Patellar Height after High Tibial Open Wedge Osteotomy. 13th European Society of Sports Traumatology, Knee Surgery, and Arthroscopy Congress, Porto, Portugal, May 20-24, 2008.
7. Griffith CJ, Wijdicks CA, Pietrini SD, LaPrade RF, **Ziegler CG**. Quantification of Posterolateral Knee Radiographic Landmarks. 5th World Congress of Sports Trauma & 6th Asia-Pacific Orthopaedic Society for Sports Medicine Meeting, Hong Kong, April 11-13, 2008.

Posters and Scientific Exhibits

1. Edgar C, Ware K, **Ziegler CG**, Reed D, DiVenere J, Obopilwe E, Arciero R. Posteromedial meniscocapsular tear: Prevalence in a series of 337 ACL reconstruction patients, detection sensitivity by MRI, lesion affects on ACL strain, and repair technique. AAOS Annual Meeting, March 2015.
2. **Ziegler CG**, Ellerman J, Nissi M, Goebel R, Hughes H, Benson M, Holmberg P, Morgan P. Cartilage Assessment in Femoroacetabular Impingement using T2* Mapping with Arthroscopic Verification. AAOS Annual Meeting, March 2014.
3. **Ziegler CG**, Pietrini SD, Westerhaus BD, Anderson CJ, Wijdicks CA, Johansen S, Engebretsen L, LaPrade RF. Landmarks for tunnel positioning in single-bundle and double-bundle ACL reconstructions, Part I: anatomic analysis. 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March 6-9, 2010.
4. Pietrini SD, **Ziegler CG**, Anderson CJ, Johansen S, Engebretsen L, LaPrade RF. Landmarks for tunnel positioning in double-bundle ACL reconstructions, Part II: radiographic analysis. 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March 6-9, 2010.
5. Anderson CJ, Westerhaus BD, Pietrini SD, **Ziegler CG**, Wijdicks CA, Johansen S, Engebretsen L, LaPrade RF. Kinematic impact of anteromedial and posterolateral bundle graft fixation angles on double-bundle anterior cruciate ligament reconstructions. 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March 6-9, 2010.
6. Oro FB, **Ziegler CG**, LaPrade RF, Wijdicks CA, Pietrini SD. Patellar height after high tibial open wedge osteotomy. 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, NV, February 22-25, 2009.
7. LaPrade RF, Oro FB, **Ziegler CG**, Wijdicks CA, Walsh MP. Board of Specialty Poster Session at the American Academy of Orthopaedic Surgery, Patellar Height and Tibial Slope after Opening Wedge Proximal Tibial Osteotomy: A Prospective Study. 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, NV, February 22-25, 2009.
8. Pietrini SD, LaPrade RF, Griffith CJ, Wijdicks CA, **Ziegler CG**. Quantification of posterolateral knee radiographic landmarks. 2008 Annual Meeting of the American Orthopaedic Society for Sports Medicine, Orlando, FL, July 10-13, 2008
9. Griffith CJ, Pietrini SD, **Ziegler CG**, Wijdicks CA, LaPrade RF. Quantification of posterolateral knee radiographic landmarks. 13th European Society of Sports Traumatology, Knee Surgery, and Arthroscopy Congress, Porto, Portugal, May 20-24, 2008.
10. Pietrini SD, LaPrade RF, Griffith CJ, Wijdicks C, **Ziegler CG**. Quantification of posterolateral knee radiographic landmarks. 54th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, March 2-5, 2008.

11. Oro FB, **Ziegler CG**, LaPrade RF, Wijdicks CA, Pietrini, SD. Patellar height after high tibial open wedge osteotomy. 54th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, March 2-5, 2008.

Professional Memberships

1. American Academy of Orthopaedic Surgeons
2. American Orthopaedic Society for Sports Medicine
3. Arthroscopy Association of North America

Athletic Coverage

1. Eagle Valley High School athlete pre-participation physicals. May 19, 2018.
2. Eagle Valley High School Wrestling. January 2018.
3. US Men's and Women's Aerials Ski Team, World Cup China. December 12-17, Secret Garden, China.
4. US Men's Alpine Ski Team training, Copper Mountain, Colorado, November 2017.
5. Battle Mountain High School Football. Colorado. Fall 2017.
6. Eagle Valley High School Football. Colorado. Fall 2017.
7. US Men's and Women's Snowboard Cross Teams, World Cup Argentina. September 7-10, 2017, Catedral Alta Patagonia, San Carlos de Bariloche, Río Negro, Argentina.

Teaching Contributions

1. 2017 Instructor for Hip Surgical Anatomy and Hip Arthroscopy, Steadman Philippon Research Institute Athletic Training Residency Program (3 hours), October 2017
2. 2012 Musculoskeletal anatomy teaching assistant, University of Connecticut Medical and Dental Schools (20 hours), Fall 2012

Post-collegiate Athletic Achievements

1. 2018 Martha's Vineyard Half Ironman Triathlon finisher, Martha's Vineyard, MA
2. 2018 Vail Mountain Winter Uphill Ski Touring Race finisher, Vail, CO
3. 2014 Age group champion, Northwest Catholic 5K, West Hartford, CT
4. 2013 Age group champion, Northwest Catholic 5K, West Hartford, CT
5. 2012 Age group runner-up, New Brighton Triathlon, New Brighton, MN
6. 2011 Overall champion, Take the Hill Triathlon, St. Peter, MN
7. 2011 U.S. Masters National Swimming Championships, Mesa, AZ

Men's 25-29 age group:

- 3rd place – 50-yard butterfly
- 5th place – 100-yard butterfly
- 5th place – 200-yard butterfly
- 5th place – 50-yard backstroke

8. 2010 Overall champion, Harveyfest 5K Run, Harvey, ND. *Time: 17:52*
9. 2010 3rd place age group, Timberman Sprint Triathlon, Grand Rapids, MN
10. 2009 Age group champion, 2nd place overall, Brewhouse Sprint Triathlon, Duluth, MN
11. 2009 Age group champion, Turtleman Triathlon, Shoreview, MN
12. 2009 Grandma's Marathon finisher, Duluth, MN
13. 2009 Age group champion, New Brighton Triathlon, New Brighton, MN
14. 2009 Age group runner-up, Gustavus Triathlon, St. Peter, MN
15. 2008 3rd place overall, Nancy English Memorial 5K, Duluth, MN
16. 2008 3rd place age group, Brewhouse Sprint Triathlon, Duluth, MN
17. 2008 Chisago Lakes Half Ironman Triathlon finisher, Chisago Lakes, MN
18. 2008 Age group champion, Loon Lake Triathlon, Lake Crystal, MN

Interests Family, swimming, cycling, triathlons, outdoors, fishing, skiing, hiking, traveling