

## **Jacquelyn Sue Pennings**

### *Curriculum Vitae*

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#### **Academic Information:**

Address                      Vanderbilt University School of Medicine  
                                 Department of Orthopaedic Surgery and Rehabilitation  
                                 Medical Center East, South Tower, Suite 4200  
                                 Nashville, TN 37232  
Email                        jacquelyn.pennings@vanderbilt.edu

#### **Education:**

1997-2001                  Belmont University, Nashville, TN  
                                 **Bachelor of Science**, Magna Cum Laude, Psychology Major, Statistics Minor,  
                                 Honors Program  
2003-2005                  Texas Christian University, Fort Worth, TX  
                                 **Master of Science**, Experimental Psychology  
2006-2009                  Texas Christian University, Fort Worth, TX  
                                 **Doctor of Philosophy**, Experimental Psychology

#### **Academic Appointments:**

2012-2014                  **Adjunct Faculty**, Texas Christian University, Fort Worth, TX  
                                 Department of Kinesiology, Course taught: Graduate statistics  
2017-Present              **Research Assistant Professor**, Vanderbilt University Medical Center, Nashville, TN,  
                                 Department of Orthopaedic Surgery and Rehabilitation

#### **Other Employment:**

2004 – 2005              **Lab Instructor/Teacher Assistant**, Texas Christian University, Fort Worth, TX  
                                 Department of Psychology  
2005 – 2009              **Research Coordinator**, TCU Institute of Child Development, Fort Worth, TX  
2008 – Present           **Statistician**, Elite Research LLC, Carrollton, TX  
2013 – 2016              **Senior Statistical Consultant**, Texas Woman's University, Denton TX  
2015 – 2016              **Statistical Research Specialist**, Division of Research, Tennessee Department of  
                                 January Mental Health and Substance Abuse Services, Nashville, TN  
2016 – 2017              **Biostatistician**, Vanderbilt University Medical Center, Nashville, TN

#### **Professional Organizations:**

1999-2000                  Treasurer, Gamma Beta Phi, National Honor Society, Belmont University Chapter  
1999-2000                  President, Psi Chi, Belmont University Chapter  
2000-2001                  Vice President, Psi Chi, Belmont University Chapter  
2008-Present              Member, American Statistical Association  
2012-Present              Accredited Professional Statistician by American Statistical Association  
2017-Present              Member, American Psychological Association

#### **Professional Activities:**

##### **A. Intramural Activities (Vanderbilt University School of Medicine)**

2018 Abstract Reviewer, Vanderbilt University Medical Center's 36th Annual Research Forum

**B. Extramural Journal Reviewing Activities**

2017-Present Ad hoc Reviewer, Health Education and Behavior (Impact factor 2.312)

**C. Awards and Recognition**

2001 Marie H. Means Outstanding Graduating Student in Psychology, Belmont University

2003 Green Honors Fellowship Recipient, Texas Christian University

**Teaching Activities:**

**A. Graduate School Courses**

Course Name: Graduate Statistics, Role: Instructor, Credit Hours: 3, Number Students: 10-13, Number Lectures per year: 14, Dates: Spring 2012, Spring 2014

**B. Research Program:**

**A. Current Support**

Grant PI: Kristin Archer  
Pennings Role: Assistant Director  
Funding Institution: NeuroPoint Alliance, Inc.  
Dates: 10/1/15-1/31/19  
Title: Quality and Outcomes Database

Grant PI: Kristin Archer  
Pennings Role: Co-Investigator  
Funding Institution: Patient Centered Outcomes Research Institute (PCORI) (CER-1306-01970)  
Dates: 2/1/14-9/1/18  
Title: Comparative Effectiveness of Postoperative Management for Degenerative Spinal Conditions

Grant PI: Rick Wright (Washington University, Prime, Vanderbilt Sub recipient)  
Pennings Role: Co-Investigator  
Funding Institution: NIH/NIAMS (5R01 AR060846-04)  
Dates: 6/01/2017 – 5/31/2022  
Title: Revision ACL Reconstructions: A Comparative Effectiveness Treatment Study

Grant PI: Consuelo H. Wilkins (Meharry-Vanderbilt Alliance)  
Pennings Role: Biostatistician  
Funding Institution: NIH/NIMHD (1U54MD010722-01)  
Dates: 4/01/2016-3/31/2020  
Title: Vanderbilt-Miami-Meharry Center of Excellence in Precision Medicine and Population Health Patients

Grant PI: Derek Griffith  
Pennings Role: Biostatistician  
Funding Institution: American Cancer Society (RSG-15-223-01)

Dates: 9/13/12-8/31/16  
Title: Mighty Men: A Faith-based Weight Loss Program to Reduce Cancer Disparities

Grant PI: Kristin Archer  
Pennings Role: Co-Investigator  
Funding Institution: American Orthopaedic Society for Sports Medicine (AOSSM)  
Dates: 6/1/2018-11/30/2020  
Title: Improving ACL Reconstruction Return to Play Outcomes through Psychologically Informed Rehabilitation

## **B. Previous Support**

Grant PI: Kristin Archer  
Pennings Role: Biostatistician  
Funding Institution: National Institute on Disability and Rehabilitation Research (NIDRR) (H133G120052)  
Dates: 10/1/12-9/30/16  
Title: Improving Trauma Outcomes: A Goal Management Approach

Grant PI: Derek Griffith  
Pennings Role: Biostatistician  
Funding Institution: AETNA Foundation (15-0046)  
Dates: 06/15/15-05/31/17  
Title: Using Tailoring and Technology to Promote Health Equity in African American Men

Grant PI: Bruce Link  
Pennings Role: Statistician  
Funding Institution: NIMH (R01 MH095254-04S1)  
Dates: 04/2011- 08/2015  
Title: A School-Based Intervention to Reduce Stigma and Promote Mental-Health Service Use

## **Publications and Presentations:**

### **A. Peer-Reviewed Original Journal Articles**

1. Purvis, K., Cross, D., Kellermann, G., Kellermann, M., Huisman, H, & **Pennings, J. S.** (2006). An experimental evaluation of targeted amino acid therapy with behaviorally at-risk children. *Journal of Alternative and Complementary Medicine*, 11, 591-593.
2. Purvis, K. B., Cross, D. R., & **Pennings, J. S.** (2007). International adoption of post-institutionalized children: Implications for school counselors. *Journal of School Counseling*, 5(22). Retrieved December 3, 2007, from <http://www.jsc.montana.edu/articles/v5n22.pdf>
3. Purvis, K. B., Cross, D. R., & **Pennings, J. S.** (2009). Trust-Based Relational Intervention™: Interactive Principles for Adopted Children With Special Social-Emotional Needs. *Journal of Humanistic Counseling, Education & Development*, 49, 3-22.

4. Dietz, T., Davis, D., & **Pennings, J. S.** (2012). Evaluating and Comparing the Efficacy of Three Group Therapies for Child Sexual Abuse: The Effect of Incorporating Animal Assisted Therapy, *Journal of Child Sexual Abuse*, 21(6), 665-683
5. Rus, A. V., Stativa, E., **Pennings, J. S.**, Cross, D. R., Ekas, N., Purvis, K., & Parris, S.R. (2013). Severe Punishment of Children by Staff in Romanian Placement Centers for School-Aged Children: Effects of Child and Institutional Characteristics. *Child Abuse and Neglect*, 37(12) 1152-1162.
6. Stativa, E. Rus, A.V., Suci, N., **Pennings, J.S.**, Butterfield, M.E., Wenyika, R., & Webster, R. (2014). Characteristics and prenatal care utilisation of Romanian pregnant women. *The European Journal of Contraception and Reproductive Health Care*, 19(3), 220-226.
7. McFarlane, J., **Pennings, J.**, Symes, L., Maddoux, J., & Paulson, R. (2014). Predicting Abused Women with Children Who Return to the Abuser: Development of a Risk Assessment Tool. *Journal of Threat Assessment and Management*, 1(4), 274-290
8. Fredland, N., McFarlane, J., Symes, L., Gilroy, H., Paulson, R., Nava, A., & **Pennings, J.S.** (2015). Connecting Partner Violence to Poor Functioning for Women and Children: Modeling Intergenerational Outcomes. *Journal of Family Violence*, 30(5), 555-566.
9. Alexander, G.K., Rollins, K., Walker, D., Wong, L., & **Pennings, J.** (2015). Yoga for self-care and burnout prevention among nurses. *Workplace Health & Safety*, 63(10), 462-470.
10. **Pennings, J.**, McFarlane, J., Paulson, R., Fredland, N., Binder, B., Koci, A., & Montalvo-Liendo, N. (2015). Predicting Behavioral Dysfunctions of Youth Living in Violent Homes: A Rapid Assessment Triage Tool. *Journal of Applied Research on Children: Informing Policy for Children at Risk*, 6(1), Article 11.
11. Daniels, G., Robinson, J.R., Walker, C., **Pennings, J.S.**, Anderson, S.T. (2015). Gastrointestinal Symptoms among African Americans Undergoing Hemodialysis. *Nephrology Nursing Journal*, 42(6), 539-548.
12. McFarlane, J., **Pennings, J.**, Liu, F.Q., Gilroy, H., Nava, A., Maddoux, J., Montalvo-Liendo, N., & Paulson, R. (2016). Predicting abused women with children who return to a shelter: Development and use of a rapid assessment triage tool. *Violence Against Women*, 22(2), 189-205
13. Symes, L., Maddoux, J., McFarlane, J. **Pennings, J.** (2016). A risk assessment tool to predict sustained PTSD symptoms among women reporting abuse. *Journal of Women's Health*, 25(4), 340-347. doi:10.1089/jwh.2015.5287.
14. Fredland, N., McFarlane, J., Symes, L., Maddoux, J., **Pennings, J.**, Paulson, R., Binder, B. & Gilroy, H. (2016). Modeling the intergenerational impact of partner abuse on maternal and child function at 24 months post outreach: Implications for practice and policy. *Nursing Outlook*, 64(2), 156-169. doi:10.1016/j.outlook.2015.10.005
15. Stativa, E., Rus, A.V., Stanescu, A., **Pennings, J.S.**, Parris, S.R. & Wenyika, R. (2016). Prevalence and Predictors of Anaemia in Romanian Infants 6-23 Months Old. *Journal of Public Health*, 38(3), e272-e281. doi:10.1093/pubmed/fdv145

16. Rhea, D.J., Rivchun, A.P., & **Pennings, J.** (2016). The Liink Project: Implementation of a Recess and Character Development Pilot Study with Grades K & 1 Children. *Texas Association of Health, Physical Education, Recreation, & Dance Journal (TAHPERD)*, 84(2), 14-17.
17. Rus, A., Tomuletiu, E., Parris, S., **Pennings, J.**, Webster, R. (2016). Comparisons of Emotional and Behavioral Problems Reported by Parents and Teachers in Three Ethnic Groups Living in Romania: A Pilot Study. *Review of Research and Social Intervention*, 55, 63-79.
18. Rus, A., Stativa, E., Butterfield, M., **Pennings, J.**, Parris, S., Burcea, G., Wenyika, R. (2018). Peer Exploitation: Findings from a Romanian Nationally Representative Sample of Children Living in Long-Term Residential Centres. *Child Abuse Review*, 27(1), 58-71. Doi:10.1002/car.2464.

## **B. Book Chapters and Review Articles**

1. Stativa E., Rus A.V., Parris S.R., **Pennings J.S.**, Clocotici O. (2017) Institutional Neglect in Romania's Long-Term Residential Centers in the 1990s from the Perspective of Children's Rights. In: Rus A., Parris S., Stativa E. (eds) *Child Maltreatment in Residential Care* (pp. 27-60). Springer, Cham.
2. Rus A.V., Stativa, E., Parris, S.R., **Pennings, J.S.**, Butterfield, M.E., Lee, W.C., Gavrilovici, O. (2017) Punishment, Peer Exploitation, and Sexual Abuse in Long-Term Romanian Residential Centers: Findings from a Nationally Representative Sample of Institutionalized Children. In: Rus A., Parris S., Stativa E. (eds) *Child Maltreatment in Residential Care* (pp. 61-86). Springer, Cham.
3. Rus A.V., Stativa, E., Parris, S.R., **Pennings, J.S.**, Tibu, F., Wenyika R., Burcea, G. (2017) Academic Achievement of Romanian Institutionalized Children: A Social–Ecological Approach. In: Rus A., Parris S., Stativa E. (eds) *Child Maltreatment in Residential Care* (pp. 87-110). Springer, Cham.
4. Stativa, E., Rus A.V., Parris S.R., **Pennings J.S.**, Simion B., Wenyika R. (2017) The Prevalence of Stunting Among the Romanian Institutionalized Children Placed in Long-Term Institutional Settings in the 1990s. In: Rus A., Parris S., Stativa E. (eds) *Child Maltreatment in Residential Care* (pp. 111-128). Springer, Cham.

## **C. Peer Reviewed Podium Presentations**

1. Pennings, J. S., & Yandell, L. (April, 1999). *The relationship between adolescent maturation, manipulated self-efficacy, and athleticism*. Paper presentation at the annual Belmont Undergraduate Research Symposium, Nashville, TN.
2. Pennings, J. S., & Yandell, L. (December, 1999). *The effects of pleasantness and familiarity of flavor on motor and cognitive task performance*. Paper presentation at the annual Psychology Undergraduate Research Symposium, Belmont University, Nashville, TN.
3. Brummett, R., **Pennings, J. S.**, Petersen, J., Wilson, J., Conway, N., Brinkmeyer, B., & Workman, M. (March, 2000). *A psychometric evaluation of the Belmont Perfectionism Scale (BPS)*. Paper presented at the annual meeting of Southeastern Psychological Association, Atlanta, GA.

4. **Pennings, J. S.** (February, 2004). Couple interactions and child outcomes in special needs adoption. Paper presentation at the annual Psi Chi Convention, Texas Christian University, Fort Worth, TX.
5. Alexander, G.K., Rollins, K., Walker, D., Wong, L., & **Pennings, J.** (February, 2015). *Efficacy of yoga to improve self-care and reduce burnout among nurses*. Podium presentation, 29th Annual Conference of SNRS (Southern Nursing Research Society), Tampa, FL.

#### **D. Peer Reviewed Poster Presentations**

1. **Pennings, J. S.**, Hamilton, B. L., & Jackson, J. (March, 1999). *The relationship among self-schema, dieting intentions, dieting behaviors, and behavioral control*. Poster presentation at annual meeting of Southeastern Psychological Association, Savannah, GA.
2. **Pennings, J. S.**, Pearson, C., Yandell, L. (April, 2000). *The effects of familiar and unfamiliar melodies on semantic, rhyming, and spatial tasks*. Poster presentation at the annual National Conference of Undergraduate Research, Missoula, MT.
3. Brummett, R., **Pennings, J. S.**, & Bailey, W. (August 2001). *Relationships among perfectionism, achievement striving, and personal responsibility*. Poster presentation at the annual meeting of the American Psychological Association, San Francisco, CA.
4. **Pennings, J. S.**, Kolb, H., & Hawkins, J. (April, 2006). *Behavior problems in internationally adopted children*. Poster presentation at the annual meeting of the Society for Research in Human Development, Fort Worth, TX.
5. McFarlane, J., **Pennings, J.**, Liu, F., Gilroy, H., Nava, A., Maddoux, J., Montalvo-Liendo, N., & Paulson, R. (2014). *Predicting Abused Women with Children who Return to Shelter: Development and Use of a Rapid Assessment Triage Tool*. Poster presented at Southern Nursing Research Society 28th Annual Conference, San Antonio, Texas.
6. Howard, A. R., **Pennings, J. S.**, Cross, D. R., McKenzie, L. B., & Purvis, K. B. (2009, April). *A Preliminary Evaluation of the Beech Brook Attachment Disorder Checklist*. Poster presented at the Society for Research in Child Development, Denver, CO.
7. Rus, A. V., **Pennings, J. S.**, Kellerman, G., Cross, D. R., & Purvis, K. B. (2009, April). *Profiles of Romanian Infants and Toddlers*. Poster presented at the Society for Research in Child Development, Denver, CO.
8. Purvis, K., Kellermann, G., Cross, D., Kellermann, M., Huisman, H., & **Pennings, J.S.** (January, 2006). *An Experimental Evaluation of Targeted Amino Acid Theraplay with At-Risk Children*. Poster presentation at the Natural Supplements: An Evidence-Based Update Conference, La Jolla, CA.

**E. Invited Peer-Reviewed Symposiums**

1. **Pennings, J. S.** (2013, August). *Statistical Practice without Borders: Consulting Opportunities and Challenges to Overcome in Developing Countries*. Topic contributed panel Statistics without Borders presented at Joint Statistical Meetings (JSM), Montreal, Quebec.
2. **Pennings, J.** (2016, July 31). *The First Self-Administered Survey in North Korea: A Glimpse of Self-Esteem of North Koreans Compared with Peers in 53 Other Countries*. Topic contributed panel Statistics without Borders presented at Joint Statistical Meetings (JSM), Chicago, IL.

**F. Invited Seminars/Lectures**

1. **Pennings, J. S.** (April, 2001). *Self-Perceptions and Physical Education*. Thesis oral defense at the annual meeting of the Belmont Undergraduate Research Symposium, Nashville, TN.
2. Paulson, R. M. & **Pennings, J. S.** (2008, December 12). *Importance of Statistics, Use of Statistics in Nonprofits, and Statistical Tricks and Traps*. Presented at the Global Research Workshop at OneHope, Pompano Beach, FL.
3. **Pennings, J. S.** (2009, April). *The Effects of a Touch Intervention on Nurturing Touch, Family Functioning, and Child Behavior*. Paper presented at the Families of Russian and Ukrainian Adoption Conference, Fort Worth, TX.
4. Paulson, R. M. & **Pennings, J. S.** (2009, May 18). *Structural Equation Modeling with Amos and Lisrel*. Seminar for Global Network for Environment and Economic Development Research, Ibadan, Nigeria.
5. Paulson, R. M. & **Pennings, J. S.** (2009, May 13, 14). *Choosing Appropriate Research Design and Statistical Analysis*. Workshops presented at Daystar University and Pan Africa Christian University (PACU), Nairobi, Kenya.
6. **Pennings, J. S.** & Paulson, R. M. (2009, May). *Research Design and Methods for Non-Profit Research*. Workshops presented at Scripture Union, Accra, Ghana (May 19) and One Hope, Mbabane, Swaziland (May 21).
7. **Pennings, J. S.** (2010, June-August). *Summer Intern Training for Data Cleaning and Statistical Analysis*. Elite Research, Carrollton, TX.
8. **Pennings, J.S.** & Paulson, R.M. (2011, February 18). *Statistics Using SPSS and Computing Effect Sizes*. Seminar presented at University of North Texas, Denton, TX.
9. **Pennings, J. S.** & Paulson, R. M. (2011, April 4-21). *SPSS and Statistics Training Series - Beginner, Intermediate, and Advanced*. Daily training course (12 hrs./week) held in Carrollton, TX.

10. **Pennings, J. S.** (2011, June-August). *Summer Intern Training for Data Cleaning and Statistical Analysis*. Elite Research, Carrollton, TX.
11. **Pennings, J.** & Allard, L. (2015, March 23). *Pregnant Women and Substance Abuse Treatment in Tennessee*. Presented to TDMHSAS Planning and Policy Council Children's Committee. Nashville, TN.
12. **Pennings, J.** (2015, June 5). *Pattern of treatment admissions over time by substance of abuse and age cohort: 1992-2012*. Presented to State Epidemiological Outcomes Workgroup and TDMHSAS Coalitions. Nashville, TN.
13. **Pennings, J.** (2015, Dec 17). *Suggested Heroin Indicators: 2015, Recommendations from the State Epidemiological Outcomes Workgroup*. Presentation to the State Heroin Working Group. Nashville, TN.

#### **G. Seminars at Vanderbilt University**

1. **Pennings, J. S.** (2018, March 21). *Tips and Tricks for Statistical Collaboration*. VOI Research Committee, Vanderbilt University Medical Center, Nashville, TN.
2. **Pennings, J. S.** (2018, April 18). *Tips and Tricks for Statistical Collaboration*. Clinical/Translational Research Staff Council, Vanderbilt University Medical Center, Nashville, TN.