

School of Health Sciences
Research and Scholarship



Scholarship Report

2020

Message from the Dean

The School of Health Science has made one of its primary goals to increase the research and scholarship of its faculty members in all of our programs. This effort has been supported by the Senior Administration by giving us funds each year so that we can award small grants to support faculty research. Also, our Research Support and Development Committee headed by Dr. Frank Gardner and Dr. Meira Orentlicher has done much to support faculty research efforts through the many programs that they run each year. As Dean, I am very proud to present this list of faculty research efforts for 2020 and I thank our faculty for their hard work and dedication to research and scholarship.

Louis H. Primavera, PhD
Dean

Peer-Reviewed Journals

- American Journal of Occupational Therapy
- Cardiopulmonary Physical Therapy Journal
- Clinical Practice and Cases in Emergency Medicine
- Industrial and Organizational Psychology
- International Journal of Stress Management
- Internet Journal of Allied Health Sciences and Practice
- Journal of Alzheimer's Disease Reports
- Journal of Clinical Education in Physical Therapy
- Journal of Communication Disorders
- Journal of Speech, Language, and Hearing Research
- Medical Science Educator
- The Romanian Journal of Counseling
- Western Journal of Nursing Research

Summary

In 2020, the faculty of the School of Health Sciences completed the following scholarship activities:

Grants:

- 11 internal
- 1 external

Publications:

- 20 peer-reviewed articles
 - *4 in collaboration by two or more faculty members*
 - *5 supported by the SHS Dean's Research Awards*
- 1 book chapter

External Presentations:

- 3 invited expert keynote presentations
- 19 research platforms, paper presentations and workshops
- 15 posters
 - *7 supported by the SHS Dean's Research Awards*

Grants

Behavioral Sciences

Lindeman, Karrie

Awarded the SHS Dean's One-Time Award of Approximately \$300 for the study "Training Staff on Discrete Trial Teaching Using a Video Modeling Self-Made Error Correction Protocol."

Occupational Therapy

Chiariello, Beth

Awarded the SHS Dean's Annual Seed Award for the study "Innovative Teaching Strategies to Promote Professional Communication and Behaviors in OT Students: Phase I – Improvisation."

Collins, Tara

Awarded the SHS Dean's Additional Funds for a Previous Award for the study "Exploring how Occupational Therapy Practitioners Prepare for Their Role as Fieldwork Educator and Their Use of Available Supports."

Kardachi, Julie

Awarded the SHS Dean's Annual Seed Award for the study "The Long-Term Effectiveness of the Fall Stop Move Strong Program on Reducing Falls and Fall Risks and Increasing Confidence in Community Dwelling Older Adults."

Koenig, Virginia

Awarded the SHS Dean's Annual Seed Award for the study "A Health Literacy Universal Precautions Workshop for Touro College's School of Health Sciences Students."

Physical Therapy

Garcia, Ralph

Awarded the SHS Dean's Annual Seed Award for the study "Correlation between Ankle Strength and Range of Motion on Falls in Community Dwelling Older Adults (CDOA)."

Lee, Daniel

Awarded the SHS Dean's One-Time Award of Approximately \$300 for the study, "Older Adult Simulation Suit."

Pottorf, Ofra

(In collaboration with Reddin, Vanessa)

Awarded the SHS Dean's Annual Seed Award for the study, "Fracture Detection via Smartphone: A Proof-of-Concept Study."

Reddin, Vanessa

(In collaboration with Pottorf, Ofra)

Awarded the SHS Dean's Annual Seed Award for the study, "Fracture Detection via Smartphone: A Proof-of-Concept Study."

Schechter Weiner, Shira

Awarded grant for the study, "Organization of Work Factors Associated with Work Ability among Aging Nurses" from the Education and Research Centers (ERC) of the National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC).

Physician Assistant

Boyle, Paula

Awarded the SHS Dean's One-Time Award of Approximately \$300 for the study, "Assessment of Grit and Emotional Intelligence as Predictors of Success in Physician Assistant Training."

Speech-Language Pathology

Weill, France

Awarded the SHS Dean's Annual Seed Award for the study, "Characteristics of Robust Interactions between 12- and 30-Months Old Children and Adults: The Effect of Length of Utterance and Pragmatic Function."

Publications

Dean's Office

Primavera, Louis

Binstock, J. M., Pino, M. A., & **Primavera, L. H.** (2020). What physicians wished they would have learned in medical school: A survey. *Medical Science Educator, 30*, 299–306.

Andreev, A., Erdinc, B., Shivaraj, K., Schmutz, J., Levochkina, O., Bhowmik, D., Farag, F., Money, K. M., **Primavera, L. H.**, Gotlieb, V., & Sahni, S., (2020). The association between anemia of chronic inflammation and Alzheimer's Disease and related dementias. *Journal of Alzheimer's Disease Reports, 4*, 379–391. DOI: 10.3233/adr-200178

Frank L. Gardner

Gardner, F. L., & Moore, Z. E. (2020). Mindfulness in sport contexts. In G. Tenenbaum & R. C. Eklund (Eds.), *Handbook of sport psychology* (4th ed., pp. 738–750). John Wiley & Sons. <https://doi.org/10.1002/9781119568124.ch35>

Glass, C. R., Pineau, T. R., Kaufman, K. A., **Gardner, F. L.**, Moore, Z. E., & Baltzell, A. (2020). Clarifying the mindfulness muddle: A response to Wilson and Gearity's book review of three popular mindfulness interventions. *Journal of Sport Psychology in Action, 11*, 138–141. <https://doi.org/10.1080/21520704.2020.1765287>

Molinsky, Rivka

(In collaboration with Schechter Weiner, Shira & Garcia, Ralph - PT)

*Weiner, S. S., Garcia, R. K., & **Molinsky, R.** (2020). Influence of experience, stress and screen angle on muscle activity and musculoskeletal symptoms among student tablet users. *The XXXIInd Annual Occupational Ergonomics and Safety Conference*, 15–16.

Behavioral Sciences

Kerulis Schmucker, Amy

Ma, J., **Kerulis, A. M.**, Wang, Y., & Sachdev, A. R. (2020). Are workflow interruptions a hindrance stressor? The moderating effect of time-management skill. *International Journal of Stress Management*, 27(3), 252–261. DOI: 10.1037/str0000149

Lapine, Caitlin

Sachdev, A. R., **Lapine, C. M.**, & Sachdeva, A. (2020). Balancing empathy: Can professors have too much? *Industrial and Organizational Psychology*, 13(4), 479–481. DOI: 10.1017/iop.2020.83

Suri, Tanupreet

Goodrich, K. M. & **Suri, T.** (2020). A historical examination of computer-based therapeutic interactions: Where we have been and where we can go. *The Romanian Journal of Counseling*, 6(1), 50-76.

Occupational Therapy

Buccinna, Michelle

Buccinna, M. (2020). Formal stroke education program effects on OTs' competence & confidence. *American Journal of Occupational Therapy*, 74, 7411520487p1. <https://doi.org/10.5014/ajot.2020.74s1-po6314>

Chiariello, Beth

Chiariello, B., Shaulov, S., Chambers, K., & Ratner, A. (2020). The transition from expert clinician to novice academic: The first three years. *American Journal of Occupational Therapy*, 74, 7411505122p1. <https://doi.org/10.5014/ajot.2020.74S1-PO3026>

Collins, Tara

*Karp, P., Lavin, K., & **Collins, T.** (2020). Exploring preparedness for competency in the role of clinical fieldwork educator. *American Journal of Occupational Therapy*, 74, 7411505231p1. <https://doi.org/10.5014/ajot.2020.74S1-PO9020>

Dapice Wong, Stephanie

Richards, T. A., Clark, S., **Dapice Wong, S. J.**, Cohen, H. S., & Garber, S. L. (2020). Nurturing the prepared mind: Research during level II fieldwork. *American Journal of Occupational Therapy*, 74(1), 7401345020.

Kardachi, Julie

(In collaboration with Hagan, Laura & Schechter Weiner, Shira – PT)

*Weiner, S. S., Hagan, L., & **Kardachi, J.** (2020). A pilot study exploring the impact of interprofessional simulation on role clarity and student readiness for collaborative clinical practice. *Internet Journal of Allied Health Sciences and Practice*, 18(4).

Koenig, Virginia

Koenig, V. E. (2020). Development and implementation of a viable Level II occupational therapy fieldwork program in a juvenile justice setting. *Annals of International Occupational Therapy, 4*, 44–52. <https://doi.org/10.3928/24761222-20200923-02>

Physical Therapy

Garcia, Ralph

(In collaboration with Marks, Ted)

Marks, T., Berg, S. L., Granek, B., Rybakov, P., Taranenko, I., Yee, D., & **Garcia, R.** (2020). Physical therapy student reports of blood pressure guidelines learned in the classroom and observed and practiced in clinical experiences. *Cardiopulmonary Physical Therapy Journal*, Online Advance Release. DOI: 10.1097/CPT.000000000000145

(In collaboration with Schechter Weiner, Shira & Molinsky, Rivka – Dean’s Office)

*Weiner, S. S., **Garcia, R. K.**, & Molinsky, R. (2020). Influence of experience, stress and screen angle on muscle activity and musculoskeletal symptoms among student tablet users. *The XXXIInd Annual Occupational Ergonomics and Safety Conference*, 15–16.

Hagan, Laura

(In collaboration with Schechter Weiner, Shira)

***Hagan, L.**, Weiner, S. S., & Rosen, Z. (2020). The impact of low-cost, optimal fidelity simulation on physical therapy students’ clinical performance and self-efficacy: A pilot study. *Journal of Clinical Education in Physical Therapy, 2*.

(In collaboration with Schechter Weiner, Shira & Kardachi, Julie – OT)

*Weiner, S. S., **Hagan, L.**, & Kardachi, J. (2020). A pilot study exploring the impact of interprofessional simulation on role clarity and student readiness for collaborative clinical practice. *Internet Journal of Allied Health Sciences and Practice, 18*(4).

Lee, Daniel

Lee, D. (2020). Chapters 3 and 4 in the book *First step: A guide for adapting to limb loss* (8th ed.) Amputee Coalition.

Marks, Ted

(In collaboration with Garcia, Ralph)

Marks, T., Berg, S. L., Granek, B., Rybakov, P., Taranenko, I., Yee, D., & Garcia, R. (2020). Physical therapy student reports of blood pressure guidelines learned in the classroom and observed and practiced in clinical experiences. *Cardiopulmonary Physical Therapy Journal* Online Advance Release. DOI: 10.1097/CPT.000000000000145

Schechter Weiner, Shira

Stimpfel, A. W., Arabdjian, M., Liang, E., Sheikhzadeh, A., **Weiner, S. S.**, & Dickson, V. V. (2020). Organization of work factors associated with work ability among aging nurses. *Western Journal of Nursing Research*, 42(6), 397-404.

(In collaboration with Hagan, Laura)

*Hagan, L., **Weiner, S. S.**, & Rosen, Z. (2020). The impact of low-cost, optimal fidelity simulation on physical therapy students' clinical performance and self-efficacy: A pilot study. *Journal of Clinical Education in Physical Therapy*, 2.

(In collaboration with Hagan, Laura & Kardachi, Julie – OT)

***Weiner, S. S.**, Hagan, L., & Kardachi, J. (2020). A pilot study exploring the impact of interprofessional simulation on role clarity and student readiness for collaborative clinical practice. *Internet Journal of Allied Health Sciences and Practice*, 18(4).

(In collaboration with Gracia, Ralph & Molinsky, Rivka – Dean's Office)

***Weiner, S. S.**, Garcia, R. K., & Molinsky, R. (2020). Influence of experience, stress and screen angle on muscle activity and musculoskeletal symptoms among student tablet users. *The XXXIInd Annual Occupational Ergonomics and Safety Conference*, 15–16.

Physician Assistant

Flanagan-Kundle, Mary

Leland, P., Roit, Z., Llovera, L., & **Flanagan-Kundle, M.** (2020). Spontaneous pneumothorax as a complication of COVID-19 pneumonia: A case report. *Clinical Practice and Cases in Emergency Medicine*, 4(4), 521-523. DOI: 10.5811/cpem.2020.8.49139

Speech-Language Pathology

Lee, Binna

Lee, B. & Sidtis, D. (2020). Subcortical involvement in formulaic language: Studies on bilingual individuals with Parkinson's Disease. *Journal of Speech, Language, and Hearing Research*, 63(12), 4029-4045. DOI: 10.1044/2020_JSLHR-19-00390

Reichel, Isabella

St. Louis, K., Hendricks, D., Wesierska, K., Przepiorka, A., Blachnio, A., Beucher, C., Abdalla, F., Flynn, T., **Reichel, I.**, Beste-Guldborg, A., Junuzovic, Zunic, L., Gottwald, S., Hartley, J., Eisert, S., Johnson, K., Bolton-Grant, B., Sangani, M. T., Rezai, H., Salman, A., Mariswamy, P., Hudock, D., Spears, S., & Aliveto, E. (2020). Success in changing stuttering attitudes: A retrospective analysis of 29 intervention studies. *Journal of Communication Disorders*, 84(March-April).

Presentations

Dean's Office

Molinsky, Rivka

Molinsky, M. *Effective transition of a learning management system (LMS) as a platform for teaching and learning*. Paper presented at Northeast 2020 Regional Conference, College Reading and Learning Association, Riverdale, NY (March 5, 2020).

(In collaboration with Schechter Weiner, Shira & Garcia, Ralph – PT)

*Weiner, S. S., Garcia, R., & **Molinsky, R.** *Interprofessional investigation of muscle activity and musculoskeletal symptoms among student tablet users: A pilot study*. International Society for Occupational Ergonomics and Safety, Newark, NJ (September 2020).

Behavioral Sciences

Asner-Self, Kimberly

Asner-Self, K. K., & Patel, D. *Poetry therapy in T-group*. Paper presented at the Association for Specialists in Group Work Biennial Conference, Dorado, Puerto Rico (January 31, 2020).

Lapine, Caitlin

Lapine, C. M., Sachdev, A. R., & Salter, N. S. *Colorism in the workplace: Intergroup and intragroup discrimination*. Poster presented at the Society for Industrial and Organizational Psychology 35th Annual Conference (June 2020).

Suri, Tanupreet

Suri, T. & Daniel, D. *Communication, collaboration & community: A move towards holistic college counseling*. Poster presented at the American College Counseling Association Annual Conference, Washington, DC (February 2020).

Suri, T., Woodford, J., Brammer, M. K., & Keim, J. *Self-care: Unique issues when counselors need counseling*. Poster presented at the 18th Annual Hawaii International Conference on Education, Honolulu, HI (January 2020).

Occupational Therapy

Buccinna, Michelle

Buccinna, M. *Formal online stroke education program effects on OTs' competence and confidence in clinical practice*. Poster presented at the 2020 American Occupational Therapy Association (AOTA) Education Summit (October 15, 2020).

(In collaboration with Collins, Tara & Cullinane, Debra)

Buccinna, M., Collins, T., & Cullinane, D. *Virtual health promotion fieldwork experiences with assisted living facilities: Keeping adults connected during COVID-19*. Poster presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 13, 2020).

Chiariello, Beth

Chiariello, B. *Update on NYS OTPAC*. Paper presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 15, 2020).

Collins, Tara

(In collaboration with Buccinna, Michelle & Cullinane, Debra)

Buccinna, M., **Collins, T.**, & Cullinane, D. *Virtual health promotion fieldwork experiences with assisted living facilities: Keeping adults connected during COVID-19*. Poster presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 13, 2020).

Cullinane, Debra

(In collaboration with Buccinna, Michelle & Collins, Tara)

Buccinna, M., Collins, T., & **Cullinane, D.** *Virtual health promotion fieldwork experiences with assisted living facilities: Keeping adults connected during COVID-19*. Poster presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 13, 2020).

Dapice Wong, Stephanie

(In collaboration with Orentlicher, Meira)

Orentlicher, M. L. & **Dapice Wong, S. J.** *Engaging clinicians as primary investigators in an academic program: A model for increasing scholarship in occupational therapy practice*. Paper presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 15, 2020).

Orentlicher, Meira

Orentlicher, M. L. *Best-practice, student-centered transition services for occupational and physical therapists*. Keynote presentation at the 2020 Occupational and Physical Therapy State Conference, Iowa Department of Education (April 3, 2020).

Orentlicher, M. L., Frattarola-Saulino, M., Perry, K., & Obermeyer, I. *Personal and policy considerations for planning and implementing self-directed supports and disability benefits: Results from action research*. Paper presented at the Social Policy and Disability Symposium, Fordham University (November 13, 2020).

(In collaboration with Dapice Wong, Stephanie)

Orentlicher, M. L., & Dapice Wong, S. J. *Engaging clinicians as primary investigators in an academic program: A model for increasing scholarship in occupational therapy practice*. Paper presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 15, 2020).

Zeidler, Serena

***Zeidler, S.**, Spencer, J., Sauvigne-Kirsch, J., Gallagher, V., & Wiggins, K. *Using AOTA's Vision 2025 to overcome barriers & create pathways for leadership in school-based practice*. Keynote presentation at the 2020 American Occupational Therapy Association (AOTA) Specialty Conference Children & Youth, virtual (December 3, 2020).

*Spencer, J., **Zeidler, S.**, & Gallagher, V. *Conversations that Matter: Equal pay for equal work: The barriers limiting school-based practitioners from advancement and our mission to knock them down*. Paper presented at the NYSOTA 2020 Virtual Conference, New York State Occupational Therapy Association (November 15, 2020)

Physical Therapy

Corio, Frances

(In collaboration with Troiano, Robert)

Corio, F. M. & Troiano, R. A. *Investigating current trends in prosthetic prescription*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, Boulder, CO (February 2020).

Garcia, Ralph

(In collaboration with Schechter Weiner, Shira & Molinsky, Rivka – Dean's Office)

*Weiner, S. S., **Garcia, R.**, & Molinsky, R. *Interprofessional investigation of muscle activity and musculoskeletal symptoms among student tablet users: A pilot study*. International Society for Occupational Ergonomics and Safety, Newark, NJ (September 2020).

Hagan, Laura

Hagan, L., Tovin, M., Silberman, N., & Rone-Adams, S. *The lived experience of exemplary physical therapist students in clinical Education: A phenomenological study*. Poster presented at the Health Professions Division REACH Day at Nova Southeastern, Fort Lauderdale, FL (February 2020).

(In collaboration with Marks, Ted, Pottorf, Ofra & Thakkar, Rima)

Marks, T., Thakkar, R., Pottorf, O., & **Hagan, L.** *How first clinical experiences influence physical therapy beliefs regarding blood pressure assessment*. Platform Presentation at the American Physical Therapy Association (APTA) Combined Sections Conference, Denver, Co (February 15, 2020).

Hayes, Joseph

(In collaboration with Lee, Daniel & Pottorf, Ofra)

Pottorf, O., **Hayes, J. G.** & Lee, D. J. *The impact of patient simulation on developing professional behavior skills during a clinical education experience*. Poster presented at the American Physical Therapy Association's NEXT Conference, Phoenix, AZ (June 2020).

Lee, Daniel

Lee, D. J. *Keeping the core strong during COVID*. Amputee Coalition of America 2020 National Conference (August 2020).

Lee, D. J. *Self-management assessment for the residuum and prosthesis (S.M.A.R.T.)*. Extremity Trauma and Amputation Center of Excellence, United States Department of Defense (October 2020).

Lee, D. J., Grover, P., & Reeves, K. *Innovations in limb loss restoration & rehabilitation*. American Congress of Rehabilitation Medicine, Atlanta, GA (October 2020).

Wong, K., Lamberg, E. J., **Lee, D. J.**, Rufino, R. *Comorbidities impact functional mobility after amputation: What's a PT to do?* Combined Sections Meeting of the American Physical Therapy Association, Boulder, CO (February 2020).

(In collaboration with Pottorf, Ofra)

*Pottorf, O., **Lee, D. J.**, & Abramowitz, A. *Reliability and criterion validity of forearm range of motion using a smartphone application*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, Boulder, CO (February 2020).

(In collaboration with Hayes, Joseph & Pottorf, Ofra)

Pottorf, O., Hayes, J. G. & **Lee, D. J.** *The impact of patient simulation on developing professional behavior skills during a clinical education experience*. Poster presented at the American Physical Therapy Association's NEXT Conference, Phoenix, AZ (June 2020).

Marks, Ted

(In collaboration with Hagan, Laura, Pottorf, Ofra & Thakkar, Rima)

Marks, T., Thakkar, R., Pottorf, O., & Hagan, L. *How first clinical experiences influence physical therapy beliefs regarding blood pressure assessment*. Platform Presentation at the American Physical Therapy Association (APTA) Combined Sections Conference, Denver, Co (February 15, 2020).

Pottorf, Ofra

(In collaboration with Lee, Daniel)

***Pottorf, O.,** Lee, D. J., & Abramowitz, A. *Reliability and criterion validity of forearm range of motion using a smartphone application*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, Boulder, CO (February 2020).

(In collaboration with Hayes, Joseph & Lee, Daniel)

Pottorf, O., Hayes, J. G. & Lee, D. J. *The impact of patient simulation on developing professional behavior skills during a clinical education experience*. Poster presented at the American Physical Therapy Association's NEXT Conference, Phoenix, AZ (June 2020).

(In collaboration with Hagan, Laura, Marks, Ted & Thakkar, Rima)

Marks, T., Thakkar, R., **Pottorf, O.,** & Hagan, L. *How first clinical experiences influence physical therapy beliefs regarding blood pressure assessment*. Platform Presentation at the American Physical Therapy Association (APTA) Combined Sections Conference, Denver, Co (February 15, 2020).

Schechter Weiner, Shira

(In collaboration with Garcia, Ralph & Molinsky, Rivka – Dean's Office)

***Weiner, S. S.,** Garcia, R., & Molinsky, R. *Interprofessional investigation of muscle activity and musculoskeletal symptoms among student tablet users: A pilot study*. International Society for Occupational Ergonomics and Safety, Newark, NJ (September 2020).

Thakkar, Rima

(In collaboration with Hagan, Laura, Marks, Ted & Pottorf, Ofra)

Marks, T., **Thakkar, R.,** Pottorf, O., & Hagan, L. *How first clinical experiences influence physical therapy beliefs regarding blood pressure assessment*. Platform Presentation at the American Physical Therapy Association (APTA) Combined Sections Conference, Denver, Co (February 15, 2020).

Troiano, Robert

(In collaboration with Corio, Frances)

Corio, F. M. & **Troiano, R. A.** *Investigating current trends in prosthetic prescription*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, Boulder, CO (February 2020).

Physician Assistant

Varney, Danielle

Varney D. *Sexual history taking pro tips: Who, what, and how!* We Are Family (Medicine) Virtual Conference, Via Zoom (January 23, 2021).

Speech-Language Pathology

Reichel, Isabella

Reichel, I. & Filatova Y. *Stuttering and cluttering*. Keynote presentation at the Russian American Webinar, Moscow State Education University, Moscow, Russia (October 22, 2020).