

**MEDICAL UNIVERSITY OF SOUTH CAROLINA (MUSC)
COLLEGE OF HEALTH PROFESSIONS
STANDARD CURRICULUM VITAE FORMAT**

Revised: February 1, 2023

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4. Citizenship: United States Citizen
5. Current Titles and Affiliations:
 - a. Academic Appointments:
 - i. Primary Appointments:

Professor, College of Health Professions, Medical University of South Carolina, May 2018 - present.

Professor Emeritus, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, 2018 - present.
 - b. Other Administrative Appointments:

Dean, College of Health Professions, Medical University of South Carolina, May 2018 - present.
6. Previous Academic and Professional Appointments:

Staff Physical Therapist, Junior Demonstrator and Lecturer, King Edward Memorial Hospital, Seth G. S. Medical College, University of Bombay, Bombay, India, 1984 - 1987.

Graduate Teaching Assistant and Pre-Doctoral Student, Department of Anatomy, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia, 1987 - 1991.

Research Associate, Department of Microbiology and Immunology, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia, 1991 - 1994.

Visiting Scientist, Basel Institute for Immunology, Basel, Switzerland, March, 1992 – August, 1992.

Physical Therapist, Medical College of Virginia Hospital, Richmond, Virginia, December 1993 – May, 1994.

Assistant Professor, Division of Physical Therapy, Department of Rehabilitation Medicine Emory University School of Medicine, Atlanta, Georgia, 1994 - 2005.

Associate Professor, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, 2005 – 2017.

Professor, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, 2017 - 2018.

Graduate Faculty in Graduate Division of Biological and Biomedical Sciences, Laney Graduate School, Emory University, 2002 - 2018.

7. Previous Administrative and/or Clinical Appointments:

Associate Director, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, Atlanta, Georgia, 2005 - 2010.

Chief of Outpatient Development, Department of Rehabilitation Medicine, Emory University School of Medicine, 2009 - 2018.

Interim Director, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, Atlanta, Georgia, 2010 - 2011.

Director, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University School of Medicine, June 7, 2011 - 2018.

Vice Chair of Education, Department of Rehabilitation Medicine, Emory University School of Medicine, March 1, 2016 - 2018.

8. Licensures/Boards:

Licensed Physical Therapist, Virginia, issued 1994.

Licensed Physical Therapist, Georgia, issued 1994.

9. Education:

1980 - 1983, B.Sc. (Physical Therapy), Seth G.S. Medical College, University of Bombay, Bombay, India.

1984 - 1986, M.Sc. (Physical Therapy), Seth G.S. Medical College, University of Bombay, Bombay, India.

1987 - 1991, Ph.D. (Anatomy/Immunobiology), Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia.

2004 - 2006, M.B.A. (Finance & Marketing), Goizueta Business School, Emory University, Atlanta, Georgia.

10. Postgraduate Training:

1987 - 1991, Graduate Teaching Assistantship, Medical College of Virginia, Richmond Virginia.

1991 - 1994, Post-doctoral work at Basel Institute for Immunology, Basel, Switzerland and Medical College of Virginia, Richmond, Virginia. Supervisors: Drs. Marie H. Kosco-Vilbois and John G. Tew.

11. Continuing Professional Development Activities:

10th Annual National Institute on Aging/Brookdale Foundation Summer Institute on Aging Research, 1996.

Learning to be Better Teachers: Faculty Development Retreat, Emory University School of Medicine, December 6 & 7, 2001, February 15, 2012 and January 13, 2016.

Educational Conference on Education Technology at Emory: A Forum for Teaching with Technology, Emory University, March 26, 2002.

Teaching Innovations Across the University, The University Advisory Council on Teaching, Emory University, September 19, 2002.

Educational Conference on Education Technology at Emory: Touch IT, Emory University, October 25, 2006

Academic Leadership Program, Emory University, 2008 - 2009.

Master Teacher Program, Center for Faculty Development and Excellence, Emory University, January 11 & 12, 2010.

Fourteenth Annual Marshall Gregory Pedagogy Seminar, Center for Faculty Development and Excellence, Emory University, January 2-7, 2011.

Chairs and Academic Administrators Management Program (CAAMP), Academy of Academic Leadership, Atlanta, Georgia, July 30-August 1, 2015.

Chairs and Academic Administrators Management Program-II (CAAMP-II), Academy of Academic Leadership, Atlanta, Georgia, August 4-5, 2016.

Certificate, Institute of Management and Leadership in Education, Harvard University Graduate School of Education, June 16-28, 2019.

Executive Seminar, Buckley School of Public Speaking, Camden, South Carolina, July 28-30, 2022.

Section 4 Elite Business Education:

Certified Strategist, March 2021

Certified Brand Strategist, July 2021

Certified Data & Analytics, November 2021

Certified Platform Strategist, May 2022

Certified Complete Manager, May 2022

Certified Storytelling, August 2022

12. Committee Memberships:

a. National and International:

Membership Committee of International Society of Exercise Immunology, Member, 1997 – 1999; Chair, 1999-2001.

One-Year Clinical Internship Task Force of Private Practice Section of American Physical Therapy Association. Planning Team Member, 2011 - 2012.

Finance Committee of American Council of Academic Physical Therapy, Member, 2011 - 2014.

Nominating Committee of Education Section of the American Physical Therapy Association, Elected Member, 2012 - 2014.

Education Committee of Private Practice Section of the American Physical Therapy Association, Elected Chair, 2013 - 2015.

Board of Directors of American Council of Academic Physical Therapy, Elected Member, 2014 - 2017.

Diversity Task Force of American Council of Academic Physical Therapy, Board of Directors Liaison, 2014 - 2016.

Excellence in Physical Therapist Education Task Force of American Physical Therapy Association, Member (selected after nomination), 2015.

Education Leadership Partnership Steering Committee, American Physical Therapy Association, Elected Member, 2016 - 2020.

Education Leadership Partnership Steering Committee, American Physical Therapy Association, Elected Chair, 2017 - 2018.

Member, Association of Schools of Allied Health Professions, 2018 - present.

Member, Southern Association of Allied Health Deans, 2019 - present.

Member, Santa Fe Dean's Group, 2019-2022.

Member, APTA Clinical Education Strategy Group, 2018.

Member, APTA Educational Outcomes Strategy Group, 2019.

Board of Directors of American Physical Therapy Association, Elected Member, 2022 - 2024.

b. Institutional:

Medical University of South Carolina:

University Council, Dean's Representative, 2019-2020

Provost Council, Member, 2018-present

Dean's Council, Member, 2018-present

MUSC 2020 Strategy Meetings, 2018-present

Health Services Research Center Task Force, 2018-2019

Population Health Institute Task Force, 2019-present.

Vice President of Institutional Advancement Search Committee (VPIA Search Committee), 2019

CIO Search Committee, 2019

Waring Library Society, Board of Directors, 2020-2021

University Branding Task Force, 2021

One MUSC – University Strategic Plan – Entrepreneurship Task Force, 2021

Academic Philanthropy Council, 2022-present

Research Deans Council, 2022-present

Emory University Woodruff Health Sciences Center:

School of Medicine Dean Search Advisory Committee, Member, 2017.

Strategic Plan Inter-Professional Education and Practice Team, Member, 2017.

Emory University School of Medicine:

Faculty Retention and Development Committee, Emory University School of Medicine, 2009 - 2010.

Advisory Committee on Health Professions, 2010 - 2018.

Ad Hoc Committee to Advise Executive Associate Dean about a student's dismissal from the Physician Assistant Program, Chair, July 2011.

Ad Hoc Committee to Advise Executive Associate Dean about the implementation of new curriculum in the Physician Assistant Program, Member, December 2011 - January 2012.

Member, Ad Hoc Committee to Advise Executive Vice-President of Health Affairs about a student's dismissal from the Physician Assistant Program, July 2013.

Medical Education Day Planning and Strategic Plan for Medical Education, Member, 2014 - 2018.

Department Education Leadership Committee, Member, 2016 – 2018.

Ad Hoc Committee to Advise Executive Associate Dean about a student's dismissal from the Physician Assistant Program, Chair, June 2017.

Departmental:

Animal Care Facilities Committee, Medical College of Virginia, 1989 - 1990.

Anatomy Seminar Committee, Medical College of Virginia, 1990 - 1991.

Executive Committee, Department of Rehabilitation Medicine, Emory University, 1995.

Appointment and Promotions Committee, Department of Rehabilitation Medicine, Emory University, 2006 - 2018.

Executive Committee, Department of Rehabilitation Medicine, Emory University, 2010 - 2018.

Divisional:

Resource Renovation Task Force, Division of Physical Therapy, Department of Rehabilitation

Medicine, Emory University, 1997.

Student Honor Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 1998.

Outreach Affairs Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 1998.

Academic Affairs Committee, Chair, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 1998 - 2004.

Marketing Committee, Chair, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2003 - 2004.

Academic Affairs Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2004 - 2010.

Student Affairs Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2005 - 2008.

Joint Programs Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2005 - 2018.

Merit Scholarships Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2005 - 2010.

Faculty Clinic Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2011 - 2018.

Public Relations and Alumni Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2011 - 2018.

Curriculum Committee, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2011 - 2018.

13. Peer Review Activities:

a. Manuscripts:

Anatomical Record, 1989 - 1991.

Blood, 1997

Acta Anatomica, 1998

Life Sciences, 1999

Virology, 2000

International Journal of Parasitology, 2002

Journal of Applied Physiology, 2003

American Journal of Physiology, 2004

Physical Therapy, 2015

b. External Reviewer for Promotion (by Institution):

University of North Florida, 2013

University of Pittsburgh, 2013

University of Southern California, 2016, 2018

Northwestern University, 2018

University of Minnesota, 2019
Columbia University, 2021
University of Wisconsin-Madison, 2021
Emory University, 2021
Rutgers University, 2022
Drexel University, 2023

14. Consultantships:

Center for Faculty Development and Excellence, Teaching Consultant, Emory University, 2009 – 2018.

Board of Governors of the University of North Carolina, External Reviewer of Doctoral Program, 2012.

Tbilisi State Medical University, Tbilisi, Republic of Georgia, 2014-2018.

Atlanta Advisory Board of Center for Visual and Neurocognitive Rehabilitation, Atlanta Veterans Administration Hospital, 2015-2018.

John Hopkins University, Baltimore, Maryland 2018.

Purdue University, Lafayette, Indiana, 2018.

15. Editorships and Editorial Boards:

Journal of Humanities in Rehabilitation, Editorial Board, 2015 – present.

16. Honors and Awards:

Jay Surgical Award for the Best Junior Paper presented at the Silver Jubilee Conference of the Indian Association of Physiotherapists, Pune, India, 1987.

Honorable Mention for presentation of research paper during the Medical Sciences Section of the Virginia Academy of Science Meeting, Richmond, Virginia, 1989.

Second prize for presentation of research paper during the Medical Sciences Section of the Virginia Academy of Science Meeting, Fairfax, Virginia, 1990.

Certificate of Appreciation for presentation of research poster at the Seventh Annual Daniel T. Watts Graduate Symposium Day, Medical College of Virginia, Richmond Virginia, 1990.

The H.L. Osterud Award for Outstanding Graduate Student, Department of Anatomy, Medical College of Virginia, Richmond Virginia, 1990 - 1991.

The Jack D. Burke Award for Excellence in Cell Biology, Department of Anatomy, Medical College of Virginia, Richmond Virginia, 1990 - 1991.

Honorable Mention-John C. Forbes Graduate Student Honors Day Award, for Proposed Research, Medical College of Virginia, Richmond Virginia, 1991.

Award for Best Poster Presentation by Cardiopulmonary Section of the American Physical Therapy Association, 2000.

IAP Oration Award: Prestigious Award for Outstanding Contributions to the Profession of Physiotherapy by the Indian Association of Physiotherapists (IAP), 41st Annual Conference of the IAP, Mumbai, India, 2003.

Beta Gamma Sigma, National Scholastic Honor in Business Administration, 2006.

Invited as a judge for Goizueta Marketing Strategy Consultancy Presentations, Goizueta Business School, Emory University, May 8, 2008.

Emory University School of Medicine Dean's Teaching Award, 2014.

Invited Commencement Address, Doctor of Physical Therapy Class of 2016, Feinberg School of Medicine, Northwestern University, Chicago, IL, April 15, 2016.

Emory Williams Distinguished Teaching Award, Emory University, 2017.

Health Care Heroes Allied Health Professional Award, Atlanta Business Chronicle, 2017.

Catherine Worthingham Fellow of the American Physical Therapy Association, 2019.

Zoher Kapasi Award for Excellence in Leadership, Emory University School of Medicine's Division of Physical Therapy. The division honored Dr. Kapasi with the creation of the Zoher Kapasi Award for Excellence in Leadership. The award is given annually to a student or students who shows considerable initiative and organizational skills related to the Doctor of Physical Therapy class and program activities. 2019-present.

Elected Faculty Member of the MUSC Chapter of the Alpha Eta Society, 2022.

The Stanford Award for a manuscript containing the most influential educational ideas published in the Journal of Physical Therapy Education for the manuscript: Competency-Based Education in Physical Therapy: Developing a Framework for Education. Journal of Physical Therapy Education. 36(4):334-340, 2022. The award was conferred to all co-authors by the American Physical Therapy Association, Academy of Education, 2022.

17. Society Memberships:

American Physical Therapy Association, 1995 - present.

Physical Therapy Association of Georgia, 1995 – present.

International Society of Exercise and Immunology, 1995 - present.

American Council of Academic Physical Therapy, 2011 – 2018.

American Council of Academic Physical Therapy, Vice-President, 2015.

American Council of Academic Physical Therapy, Secretary, 2016 – 2018.

Vistage, the world's largest CEO coaching and peer advisory organization for small and midsize business leaders, 2019 – present.

18. Organization of Conferences:

a. National and International:

i. Sessions as Chair:

International Society for Exercise and Immunology International Convention, Baltimore, Maryland, USA, 2001 (Poster Session).

41st Annual Conference of the Indian Association of Physiotherapists, Mumbai, India, 2003 (Poster Session).

19. Clinical Service Contributions:

Expanded Patient Volumes of Emory Physical Therapy and Wellness Clinic as part of Faculty Practice at Emory Clinic B by hiring a director and providing faculty and resident staffing to serve the physical therapy needs of people on the Clifton Corridor. 2010 – 2016.

Oversaw the merger of Faculty Clinical Practice (Emory Physical Therapy and Wellness Clinic) in clinic B with Emory Rehabilitation Hospital to provide cutting edge care and growth of physical therapist residency programs. The merger has led to cost savings for the department and has potential for lowering costs for Emory Rehabilitation Hospital. 2016

20. Community Outreach:

a. General:

Volunteer for Physical Therapy for ING Marathon and Half Marathon, March 30, 2008.

Volunteer for Hydration Station for Publix Georgia Marathon and Half Marathon, March 23, 2014.

b. Media Appearances:

Interviewed by John Murphy of "Advance for Physical Therapists". The article based on the interview "3D-Dissection" was published on page 24 in March, 1996 issue of the magazine.

Interviewed by "PT Magazine" on participation in 10th Annual National Institute on Aging/Brookdale Foundation Summer Institute on Aging Research. The article based on the interview "PTs Attend Brookdale Summer Institute" was published on page 18 in October, 1996 issue of the magazine.

"Balancing Act: Physical therapy professor on the move." Emory Profile: Zoher Kapasi by Alfred Charles, Emory Report, page 3, April 3, 2006.

Interviewed by "PT in Motion" magazine published for members of the American Physical Therapy Association on an article on Good Business by Chris Hayhurst. The article based on the interview "Good Business" was published on pages 38-42 in June 2011 issue of the magazine.

Interviewed by Huffington Post. The article based on the interview entitled "Emory University Uses Harvard Business School Cases to Teach Innovation in The Physical

Therapy Field” was published on February 12, 2016
http://www.huffingtonpost.com/marquis-cabrera/emory-university-uses-har_b_9206862.html.

21. Formal Teaching:

a. Graduate Programs:

i. PhD Programs:

Nutrition and Health Sciences Program, Laney Graduate School, Lectures on Immune Function and Nutrition, 2005-2009, 3 contact hours/year.

ii. Master of Health Administration Program:

Negotiation, College of Health Professions, Medical University of South Carolina, 2108-2019, 3 contact hours/year.

Motivation of Individuals and Teams and Innovation, College of Health Professions, Medical University of South Carolina, 2021-present, 1 contact hour/year.

b. Other Categories:

i. Physical Therapist Students (Emory University):

Course Director and Instructor in Master and Doctor of Physical Therapy Program:

Course*	Credit Hours	Contact Hours	Maximum # of Students	Responsibility	Years taught
DPT 705 (PHT 540a) Human Anatomy	4	138	70	Course Director & Instructor	1995-2017. In 2002 taught twice (MPT & DPT students)
DPT 990 (PHT 669r) Preceptorship	3	50	8	Course Director & Instructor	1995-2001, 2003, 2006-2009
DPT 957 (PHT 644) Advanced Human Anatomy	3	50	6	Course Director & Instructor	1995-2002, 2004-2005, 2008-2018

PHT 645a Current Practices in Physical Therapy	4	60	16	Instructor	2002- 2008
DPT 755 (PHT 543 & PHT 530c) General Medical Conditions	12	178	70	Course Director & Instructor	1995- 1999, 2001- 2009 2010- 2018 (Instructor only)
DPT 915/925 (PHT 550b-e Clinical Research II-V) Clinical Research I & II	12	180	4-10	Research Advisor	1995- 2013
DPT 835 (PHT 510d) Administration & Consultation in Healthcare	6	90	70	Course Director & Instructor	2005- 2010
DPT 952 (PHT 620) Business Management for the Physical Therapist Entrepreneur	3	50	18	Co-Course Director & Instructor	2007- 2009, 2012- 2017
DPT 765 Evidence Based Practice	2	4	70	Instructor	2011- 2016
DPT 820 Health Service & Management	3	10	70	Instructor	2011- 2018
DPT 720 Ethics & Professionalism	3	3	70	Instructor	2013- 2017

* PHT courses in the old curriculum are DPT courses in the new curriculum

ii. Undergraduate Students:

Disability, Resilience, and the Mortal Self, IDS 385W/ANTH_OX 385R, Emory University, Atlanta, Oxford College, Covington, Georgia, Spring Semester, 2016 - 2017 (This is a course presented to undergraduate students at Emory and Oxford campuses funded by the Coalition of the Liberal Arts). Assisted in organizing the course and conducting lab tours for the students. Also, contributed to class discussion at several lectures. 8 contact hours/year

22. Supervisory Teaching:

a. PhD Students Directly Supervised:

Advisor to Janel Hart. Division of Biological and Biomedical Sciences, Program in Nutrition and Health Sciences, Laney Graduate School. "Protein Calorie Malnutrition, Exercise and Memory T Cells" 2002-2006.

b. Thesis Committees:

PhD Dissertation Committee Member for Beth Imhoff-Kunsch. Division of Biological and Biomedical Sciences, Program in Nutrition and Health Sciences, Laney Graduate School. "The effect of prenatal docosahexaenoic acid supplementation in pregnancy on breast milk fatty acid composition and morbidity and immune function in Mexican infants: a double-blind randomized, controlled trial." 2007-2009.

c. Other:

Advisor for Research Group Projects:

Doctor of Physical Therapy (DPT):

Pamela Diamond, Rebecca Loveman, Stacey Pagorek and Gianna Rossi. "Modulation of Tetanus Vaccine Response in Young Adults." 2002-2003.

Allison Lee, Barbara Litt, Aimee Rozin and Stacy Stebbins. "Immune Response to Tetanus Toxoid Vaccine Following Eccentric Exercise in Mice." 2002-2004.

Lindsey Hollister, Elizabeth Killian, Janet Kindschuh and Jill Steppat. "Immune Response to Tetanus Toxoid Vaccine Following Concentric and Eccentric Exercise in Mice." 2004-2006.

Jessica Ignatius, Brianna Kuhn and Priti Patel. "Effects of an Exercise Intervention on Relationship between Muscle Strength and Immune Parameters in Frail Elderly Nursing Home Residents." 2005-2007.

Stephanie Baker, Megan Crawford, Katie Goodman and Elizabeth Granger. "Determinants of Physical Therapy Referrals." 2006-2008.

Kristin Mercer, Jennifer Patterson and Laura Stone. "Physical Therapist Perceptions in Generating Referrals." 2007-2009.

Jessica Botvinick, Kristen Lidstone, Yazmin Torres and Christina Vaughn. "Determinants of Direct Access by Patients to Physical Therapy Services." 2008-2010.

Monica Ferguson, Kwaku Kankum, Quana Tribble, Michael Wang. "Assessment of Primary Care Doctors Knowledge of Physical Therapy." 2009-2011.

Mark Cox, Mary Elizabeth Dailey, Crystal Huber, Jeneria Tapp, Lakshmi Urlam. "Factors Associated with Primary Care Physician Referrals to Physical Therapy." 2010-2012.

Jaclyn Bishop, Zachary Dunkle, Megan Hunter, Sam Kridl, Kaitlin Trudeau. "Effects of Marketing Knowledge on Attitudes of Physical Therapists Toward Marketing." 2012-2013.

Master of Physical Therapy (MPT):

Gena Crater, Denise Guadanino and Tami Pohnert, "The effects of moderate exercise training on anti-tetanus antibody responses in young sedentary individuals," 1996.

Dexter Joyner, Michelle Lewis, Ann Schwartz and Elise Townsend, "The effects of intense physical exercise on germinal center and secondary antibody responses in young and aged mice," 1997.

Jon Beck, Tamara Kelley and Kathryn Smith, "The effect of endogenous opioids in exercise-induced enhancement of secondary antibody response," 1998.

Amy Latimer, Amy Pridgen, Stephanie Russell and Matt Spiegelman, "The role of catecholamines in exercise-induced modulation of germinal centers and secondary antibody responses in aged mice," 1999.

Meredith Adams, Elizabeth Glass, Bart McDonald and Alyson Nancarrow, "The effects of moderate physical exercise training on humoral immunity in young mice," 2000.

Susan Cappell, Kristen Goetz, Carla Hill and Helen Roton, "The effects of moderate exercise training on anti-tetanus response in elderly humans," 2001.

Melissa Baudo, Karen Jackson and Kerri Joyce. "The Effect of Eccentric Exercise on Immune Response to a Tetanus-Diphtheria Vaccine in Young Adults." 2001-2002.

Current Status of Some Supervised Trainees:

Master of Physical Therapy Students

Elise Townsend	Associate Professor, MGH Institute of Health Professions	1995-1997
Beth Davis	Assistant Professor, Emory University	1995-1997
Tammy Roehling	Assistant Professor, A. T. Still University	1996-1998
Carla Hill	Assistant Professor, UNC Chapel Hill	1998-2001

Doctor of Philosophy Student (PhD, Laney Graduate School)

Janel Hart	Not Known	2002-2006
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23. Lectureships, Seminar Invitations, and Visiting Professorships:

a. National and International:

Follicular Dendritic Cells in Aging and Severe Combined Immunodeficiency. Basel Institute for Immunology, Basel, Switzerland. August, 1992.

Origin of Follicular Dendritic Cells. Basel Institute for Immunology, Basel, Switzerland. July, 1993.

Free Markets and Health Care. The Academy of Capitalism and Limited Government Foundation symposium entitled "Are we regulating Capitalism out of existence? University of Illinois at Urbana- Champaign. October 2009.

b. Regional:

Exercise and Immunology: What do we know about the effects for older persons? presented at Rehabilitation Interventions in the Younger Old and Older Old: Linking Quality and Reasonableness, Sponsored by Emory University School of Medicine, Emory Conference Center Hotel, Atlanta, Georgia. April, 1996.

Exercise and Immunology: What do we know about the effects for older persons? The Atlanta VA Medical Center's Rehabilitation Research and Development Center, Atlanta, Georgia. November 1997.

The Brachial Plexus. Hand Therapy Specialists Interest Group, Atlanta, Georgia. July 2000.

Cadaver Anatomy of the Shoulder Complex. Presented at Restoration of Shoulder Function in Clinical Rehabilitation: an Integrated Orthopedic and Neurologic Approach. Sponsored by Emory University, Atlanta, Georgia. September 2000.

c. Institutional:

Follicular Dendritic Cells in Aging and Severe Combined Immunodeficiency. Medical College of Virginia, Richmond, Virginia 1991.

Aging, Immune System and Exercise. Department of Rehabilitation Medicine, Emory University School of Medicine, Atlanta, Georgia. June 1994.

Aging, Immune System and Exercise. Department of Anatomy, Emory University School of Medicine, Atlanta, Georgia. May 1995.

Origin of Follicular Dendritic Cells. Department of Microbiology and Immunology, Emory University School of Medicine, Atlanta, Georgia. April 1996.

Free Markets and Healthcare. Department of Rehabilitation Medicine, Emory University School of Medicine, Atlanta, Georgia. November 2009.

Panelist, Digital Accessibility. Faculty Senate Town Hall. Medical University of South Carolina. March 20, 2019.

Panelist, Town Hall on Diversity & Inclusion. College of Health Professions Student Diversity Leadership Council, College of Health Professions, Medical University of South Carolina. March 26, 2019.

24. Invitations to National/International, Regional, and Institutional Conferences:

a. National and International:

Exercise and the Aging Immune System. Symposium speaker at a conference in a joint program sponsored by the Cardiopulmonary, Geriatrics, and Oncology Sections at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, Louisiana. February 2000.

Exercise and Immune Responses in Young Individuals. All-India Student Forum, GS Medical College, Mumbai, India. January 2003.

Exercise and the Aging Immune System. Indian Association of Physiotherapists Oration Lecture

at the 41st Annual Conference of Indian Association of Physiotherapists Meeting, Mumbai, India. February 2003.

Does Exhaustive Exercise Suppress Immune Function in the Elderly? American College of Sports Medicine (ACSM) National Meeting, Indianapolis, Indiana. June 2004.

Looking Outside Health Care to Teach Physical Therapy Business Practice. Combined Sections Meeting of the American Physical Therapy Association, Indianapolis, Indiana, January 2015.

Relational Coordination. Panel Speaker. GRJ Forum, American Physical Therapy Association Educational Leadership Conference, Seattle, Washington. October 2019.

Educating the millennial physiotherapist. Panel Speaker. 5th Annual Conference of Society of Indian Physiotherapists, Mumbai, India. January 2020.

Publishing in Predatory journals: the argument for and against. Panel Speaker. 5th Annual Conference of Society of Indian Physiotherapists, Mumbai, India. January 2020.

From Mumbai to United States of America: The highlights and challenges of extraordinary journey. Inaugural Lecture. 5th Annual Conference of Society of Indian Physiotherapists, Mumbai, India. January 2020.

Catherine Worthingham Fellows Forum, Part 1: Setting the Stage for Physical Therapy in the Next Century. Panel Speaker on Costs of Physical Therapist Education, American Physical Therapy Association NEXT Conference, Phoenix, Nevada. June 2020 (virtual presentation and discussion).

My Journey as a Physiotherapist Spanning Three Continents – Lesson Learned, 1st World Physiotherapy Day Lecture, Society of Indian Physiotherapists, Online FB Live Lecture, September 8, 2020.

Physical Therapy Education Governance: How did we get here? – Panel Member, The Graham Sessions. The Institute of Private Practice Physical Therapy, Tucson, Arizona. January 2022.

b. Regional:

Exercise and Immunology: What do we know about the effects for older persons? Co-Keynote speaker at the Tenth Anniversary Program for the Georgia Consortium on the Psychology of Aging, Atlanta, Georgia. March 1998.

Intense Physical Exercise and Immune Response to Viral Infection in Aging. Basic Biology of Aging Research Retreat organized by University of Alabama at Birmingham, Birmingham, Alabama. April 2004.

History of the Health Professions. Waring Historical Library, November SHC Lunch Lecture, Medical University of South Carolina, Charleston, South Carolina, November 11, 2020 (online live oral presentation).

25. Abstract Presentations at National/International, Regional, and Institutional Conferences:

a. National and International:

Z.F. Kapasi,* M.T. Shahani and D.H. Dastoor. Study of Maximal Isometric Strength and Integrated Electromyography of Human Quadriceps Femoris Muscle in Various Age Groups in

Males. Indian Association of Physiotherapists Meeting. Pune, India, April 1987 (oral presentation).

Z.F. Kapasi,* J.G. Tew and A.K. Szakal. Reconstitution of Lymph Node Germinal Center Reaction in Aged Mice. American Association of Anatomists Meeting, New Orleans. Louisiana, Anat. Rec. 223:58A, 1989 (oral presentation).

Z.F. Kapasi,* G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. Follicular Dendritic Cell Deficit and Reconstitution in Severe Combined Immunodeficiency Mice. 1990 FASEB/AAI Meeting, Atlanta, Georgia. June 1990 (poster presentation).

Szakal, A.K.,* **Z.F. Kapasi**, L.D. Shultz, G.F. Burton, M.H. Kosco and J.G. Tew. Reconstitution of Follicular Dendritic Cell Defect in CB17 Mice with Severe Combined Immunodeficiency. 10th International Conference on Lymphatic tissues and Germinal centres in Immune reactions. Compiègne, France, July 1990 (poster presentation).

Z.F. Kapasi,* G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. Reconstitution of Follicular Dendritic Cell Deficit in Severe Combined Immunodeficient Mice. Second International Meeting on Dendritic cells in Fundamental and Clinical Immunology, Amsterdam, The Netherlands, June, 1992 (oral presentation).

Z.F. Kapasi,* J.G. Tew and A.K. Szakal. Reconstitution of the Germinal Center and Secondary Antibody Response of Old Mice. Eighth International Congress of Immunology, Budapest, Hungary, Abstract # W4-21, August 1992 (poster presentation).

Z.F. Kapasi,* G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. Requirements for Follicular Dendritic Cell Development in Severe Combined Immunodeficiency Mice. Eighth International Congress of Immunology, Budapest, Hungary, Abstract # W61-14, August 1992 (poster presentation).

M.H. Kosco,* **Z.F. Kapasi**, D. Scheidegger, F. Ronchese and M. Wiles. Lymphokine Crosstalk During the Germinal Center Reaction. Keystone Symposia on Molecular and Cellular Biology, B cell Immunobiology and Human disease, Taos, New Mexico, Abstract # F 206, February 1993 (oral presentation).

Z.F. Kapasi,* M.H. Kosco, L.D. Shultz, J.G. Tew and A.K. Szakal. Cellular Origin of Follicular Dendritic Cells. 11 th International conference on lymphoid tissues and germinal centres in immune reactions, Spa, (Liege) Belgium, Abstract # 10.2, July 1993 (poster presentation).

R.E. Caffrey, **Z.F. Kapasi**, S.T. Haley, J.G. Tew and A.K. Szakal.* DHEAS Enhances Germinal Center Responses in Old Mice. 11 th International conference on lymphoid tissues and germinal centres in immune reactions, Spa, (Liege) Belgium, Abstract # 10.2, July 1993 (poster presentation).

A.K. Szakal,* **Z.F. Kapasi**, S.T. Haley and J.G. Tew. Multiple Lines of Evidence Favoring a Bone Marrow Derivation of Follicular Dendritic Cells. Third International Meeting on Dendritic cells in Fundamental and Clinical Immunology, Annecy, France, June, 1994 (oral presentation).

D. Qin, **Z.F. Kapasi**, S.T. Haley, A.K. Szakal* and J.G. Tew. Hematopoietic Bone Marrow Progenitor Derivation and Phenotype of Follicular Dendritic Cells. 12 th International conference on lymphoid tissues and germinal centres in immune reactions, Graz, Austria, July, 1996 (oral presentation).

Z.F. Kapasi,* P. Catlin, C. Geis, G. Crater, D. Guadanino and T. Pohnert. Effects of Moderate Exercise-Training on Anti-Tetanus Antibody Responses in Young Sedentary Individuals. 3rd International Society of Exercise and Immunology (ISEI) Symposium, Paderborn, Germany, Int. J. of Sports Med., 1998, 19:S218, November 1997 (oral presentation).

Z.F. Kapasi,* P. Catlin, J. Beck, T. Kelley and K. Smith. The Role of Endogenous Opioids in Exercise-Induced Modulation of Secondary Antibody Response. 3rd International Society of Exercise and Immunology (ISEI) Symposium, Paderborn, Germany, Int. J. of Sports Med., 1998, 19:S215, November 1997 (oral presentation).

E. Townsend,* P. Catlin, D. Joyner, M. Lewis, A. Schwartz and **Z.F. Kapasi.** Effects of Intense Exercise on Secondary Antibody Response in Young and Aged Mice. 3rd International Society of Exercise and Immunology (ISEI) Symposium, Paderborn, Germany, Int. J. of Sports Med., 1998, 19:S218, November 1997 (oral presentation).

Z.F. Kapasi, P. Catlin, A. Latimer, A.S Pridgen, S. Russell and M.G. Spiegelman. The Role of Catecholamines in Exercise-Induced Modulation of Secondary Antibody Response in Aged Mice. 4th International Society of Exercise and Immunology (ISEI) Symposium, Rome, Italy, May 1999 (oral presentation).

Z.F. Kapasi,* P. Catlin, J. Beck, T. Kelley and K. Smith. The Role of Endogenous Opioids in Exercise-Induced Modulation of Secondary Antibody Response. Annual Conference of American Physical Therapy Association, Washington D.C., USA, June 1999 (oral presentation).

Z.F. Kapasi,* P. Catlin, A. Latimer, A.S Pridgen, S. Russell and M.G. Spiegelman. The Role of Catecholamines in Exercise-Induced Modulation of Secondary Antibody Response in Aged Mice. Cardiopulmonary Section, Combined Sections Meeting of the American Physical Therapy Association, New Orleans, Louisiana, February 2000 (poster presentation).

Z.F. Kapasi,* P.Catlin, M. Adams, E. Glass, B. McDonald and A. Nancarrow. The Effects of Moderate Physical Exercise Training on Humoral Immunity in Young Mice. 5th International Society of Exercise and Immunology (ISEI) Symposium, Baltimore, Maryland, Supplement issue of Medicine and Science in Sports and Exercise May 2001 (poster presentation).

Z.F. Kapasi,* M.L. McRae and R. Ahmed. CD8 and CD4 T cell Responses to Lymphocytic Choriomeningitis Virus Infection Following Intense Exercise in Young and Old Mice. 5th International Society of Exercise and Immunology (ISEI) Symposium, Baltimore, Maryland, Supplement issue of Medicine and Science in Sports and Exercise, May 2001 (oral presentation).

Z.F. Kapasi,* K. Murali-Krishna M.L. McRae and R. Ahmed. Defective Generation but Normal Maintenance of Memory T Cells in Old Mice. International Conference on Aging and Immunology, Washington D.C., June 2002 (poster presentation).

Z.F. Kapasi,* P.A. Catlin, M.A. Baudo, K.E. Jackson and K.A. Joyce. Immune Response to Tetanus Toxoid Vaccine Following Eccentric Exercise. Cardiopulmonary Section, Combined Sections Meeting of the American Physical Therapy Association, Tampa, Florida, February 2003 (poster presentation).

J. Chatraw,* T.C. Becker, E.J. Wherry, R. Ahmed and **Z.F. Kapasi.** Failure to maintain homeostatic proliferation of viral-specific memory CD8 T cells during protein calorie malnutrition (PCM) mice. 2005 FASEB/AAI Meeting, San Diego, California, April 2005 (poster presentation).

Z. F. Kapasi,* J. Ignatius, B. Kuhn and P. Patel. Effects of an Exercise Intervention on Relationship between Muscle Strength and Immune Parameters in Frail Elderly Nursing Home Residents. Geriatric Section, Combined Sections Meeting of the American Physical Therapy Association, Nashville, Tennessee, February 2008 (poster presentation).

Z. F. Kapasi,* S. Baker, M. Crawford, K. Goodman and E. Granger. Factors Influencing Physician Referrals To Physical Therapy. Private Practice Section, Combined Sections Meeting

of the American Physical Therapy Association, Las Vegas, Nevada, February 2009 (poster presentation).

B.C. Imhoff-Kunsch,* A.D. Stein, **Z.F. Kapasi**, K. Herrick, R. Martorell and U. Ramakrishnan. Prenatal Docosahexaenoic Acid Supplementation and Infant Response to Hepatitis B and Tetanus Vaccination: A Double-Blind Randomized, Controlled Trial in Mexico. *Annals of Nutrition and Metabolism* Volume: 55, Supplement: 1 Pages: 528-528, 2009 (poster presentation).

Z. F. Kapasi,* K. Mercer, J. Patterson and L. Stone. Physical Therapist Perceptions in Generating Referrals. Private Practice Section, Combined Sections Meeting of the American Physical Therapy Association, San Diego, California, February 2010 (poster presentation).

Z. F. Kapasi,* J. Botvinick, K. Lidstone, Y. Torres and C. Vaughn. Determinants of Direct Access by Patients to Physical Therapy Services. Private Practice Section, Combined Sections Meeting of the American Physical Therapy Association, Chicago, Illinois, February 2012 (poster presentation).

Z. F. Kapasi,* B. Davis,* M. Cox, M. E. Dailey, C. Huber, J. Tapp and L. Urlam. Factors Associated With Primary Care Physician Referrals to Physical Therapy for Low Back Pain. Private Practice Section, Combined Sections Meeting of the American Physical Therapy Association, San Diego, California, January 2013 (poster presentation).

Z. F. Kapasi,* B. Davis,* J. Bishop, Z. Dunkle, M. Hunter, S. Kridl and K. Trudeau. Physical Therapists' Knowledge and Attitudes Related to Marketing. Private Practice Section, Combined Sections Meeting of the American Physical Therapy Association, Las Vegas, Nevada, January 2014 (poster presentation).

Z.F. Kapasi,* S.D. Pullen,* and M.J. Johanson.* The Role of Dual Degrees in the Physical Therapist Education Program at Emory University. Education Leadership Conference, American Physical Therapy Association, Kansas City, Missouri, October 2014 (oral presentation).

Z.F. Kapasi,* S.D. Pullen,* B. Greene, S.J. Herdman and M.J. Johanson.* The Role of Dual Degrees in the Physical Therapist Education Program at Emory University. Private Practice Section, Combined Sections Meeting of the American Physical Therapy Association, Indianapolis, Indiana, January 2015 (poster presentation).

B.P. Davis and **Z.F. Kapasi**. Innovative Business Education for an Entrepreneurial Mindset in the Physical Therapy Classroom and Clinic. American Physical Therapy Association Education Leadership Conference, Educational Session; Phoenix, AZ; October 8, 2016 (oral presentation).

M.J. Johanson* and **Z.F. Kapasi**.* Globalization of Higher Education in Physical Therapy: An International Collaboration in Tbilisi. World Confederation of Physical Therapy Congress 2017. Cape Town, South Africa, July 2017 (poster presentation).

S. Blanton,* B. Greenfield, J. Carey, G. Jensen, N. Kirsch, L.L. Swisher, and **Z.F. Kapasi**.* Journal of Humanities in Rehabilitation: Fostering Humanism Through International, Interdisciplinary Collaboration and Scholarship. World Confederation of Physical Therapy Congress 2017. Cape Town, South Africa, July 2017 (poster presentation).

G.S. Steinhorn, M. Friedman, J. Quinn, D. Young, and **Z.F. Kapasi**. Designing Residency and Clinical Education Programs that Facilitate Clinical QI. Academy of Physical Therapy Education, Combined Sections Meeting of the American Physical Therapy Association, Washington D.C, January 2019 (oral presentation).

S. Appling, S. Chesbro, R. Herr, **Z. Kapasi**, L. Kontney, and N. Reese. Our Second Century: Leveraging the Education Leadership Partnership for the Future of PT Education. Academy of

Physical Therapy Education, Combined Sections Meeting of the American Physical Therapy Association, Orlando, Florida. February 2021 (online live oral presentation).

S. Deusinger, L. Hack, G. Jensen, D. Jette, **Z. Kapasi**, P. Kluding, T. Nordstrom, C. Royeen. Accreditation As a Means Towards Excellence. Academy of Physical Therapy Education, Combined Sections Meeting of the American Physical Therapy Association, San Antonio, Texas. February 2022 (platform and recorded presentation).

b. Regional:

Z.F. Kapasi,* J.G. Tew and A.K. Szakal. Bone Marrow and Thymus Reconstitution of Lymph Node Germinal Center Reaction in Aged Mice. Virginia Academy of Sciences Meeting. Richmond, Virginia, May 1989 (oral presentation).

Z.F. Kapasi,* L.D. Shultz, G.F. Burton, M.H. Kosco, J.G. Tew and A.K. Szakal. Origin of Follicular Dendritic Cell in CB17 Mice with Severe Combined Immunodeficiency. Virginia Academy of Sciences Meeting. Fairfax, Virginia, May 1990 (oral presentation).

Z.F. Kapasi, P.A. Catlin, M.A. Baudo,* K.E. Jackson* and K.A. Joyce.* Immune Response to Tetanus Toxoid Vaccine Following Eccentric Exercise. Physical Therapy Association of Georgia Meeting, Kennesaw, Georgia, October 2002 (poster presentation).

Z. F. Kapasi,* J. Ignatius, B. Kuhn and P. Patel. Effects of an Exercise Intervention on Relationship between Muscle Strength and Immune Parameters in Frail Elderly Nursing Home Residents. Physical Therapy Association of Georgia Meeting, Dahlonaga, Georgia, October 2008 (poster presentation).

Z. F. Kapasi,* S. Baker, M. Crawford, K. Goodman and E. Granger. Factors Influencing Physician Referrals To Physical Therapy. Physical Therapy Association of Georgia Meeting, Atlanta, Georgia, October 2009 (poster presentation).

Z. F. Kapasi,* K. Mercer, J. Patterson and L. Stone. Physical Therapist Perceptions in Generating Referrals. Physical Therapy Association of Georgia Meeting, Atlanta, Georgia, October 2010 (poster presentation).

c. Institutional:

Z.F. Kapasi,* G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. Follicular Dendritic Cell Deficit and Reconstitution in Severe Combined Immunodeficient Mice. The Seventh Annual Watts Graduate Student Research Symposium, Medical College of Virginia, Richmond, Virginia, October 1990 (poster presentation).

26. Research Focus:

Age-related changes in immune function and the effects of exercise and nutrition on the immune system including mechanisms by which physical exercise and nutrition modulate immune response to infections and vaccines in elderly humans. Additionally, I am researching determinants of referrals for physical therapy in a private practice setting.

27. Grant Support:

a. Active Support:

None.

a. Previous Support:

Role: Graduate Student Investigator (100% effort)

Source: National Institute on Aging.

Title: Reconstitution of Antigen Transport, Germinal Center Response and Antibody Production in Aged Mice.

Predocutorial study application.

Total Allocation: 72 C57BL/6 young and 126 C57BL/6 old mice (equivalent to \$ 6,174) 1988-1991.

Role: Principal Investigator (50% effort)

Source: National Institute on Aging.

Title: Exercise-Induced Immunomodulation in Aging.

R03 Grant

Total Cost: \$123,673.

07/01/99 - 06/30/01.

Role: Principal Investigator (50% effort)

Source: Emory University Research Committee.

Title: Exercise-Induced Immunomodulation of Vaccine Responses in Elderly Humans.

Pilot Grant

Total Cost: \$29,956.

01/01/00 - 12/31/00.

Role: Principal Investigator

Source: Emory Vaccine Center and Georgia Research Alliance.

Funds for equipment support to establish a tissue culture room.

Total Cost: \$37,471.71.

December, 2000.

Role: Principal Investigator (20% effort)

Source: Physical Therapy Association of Georgia.

Title: The Effect of Eccentric Exercise on Immune Response to a Tetanus Toxoid Vaccine in Young Adults.

Total Cost: \$600.00.

05/2001-05/2002.

Role: Faculty Scholar (20% effort)

Source: Emory Center for Health in Aging.

Faculty Scholarship that provided salary support for analysis and writing of research paper.

Total Cost: \$14,571.

05/01/2002 – 10/31/2002.

Role: Principal Investigator (40% effort)

Source: Emory Center for Health in Aging.

Title: Aging and T Cell Memory to Viruses.

Pilot Grant.

Total Cost: \$30,000.

01/01/2004–12/31/2004.

Role: Principal Investigator (20% effort)
Source: Physical Therapy Association of Georgia.
Title: The Effect of Eccentric Exercise on Immune Response to a Tetanus Toxoid Vaccine in Mice.
Pilot Grant.
Total Cost: \$400.00.
06/01/2004-05/31/2005.

Role: Principal Investigator (20% effort)
Source: Physical Therapy Association of Georgia.
Title: Physical Therapist Perceptions of Physician Determinants in Generating Referrals to Physical Therapy Practice
Total Cost: \$300.00.
06/01/2008-05/31/2009.

Role: Co-Teacher on a New Course
Source: Emory Coalition of Liberal Arts
Title: Disability, Resilience, and the Mortal Self: Healing and Care Across the Lifespan
Total: \$20,000
2015-2016

Role: Co-Teacher on a New Course
Source: Emory Center for Faculty Development and Excellence
Title: University Course on Disability, Resilience, and the Mortal Self.
Total: \$2,000
2017-2018

Role: Technical Advisor
Source: United States Agency for International Development
Title: The Strengthening Physical Rehabilitation in Georgia (SPRING) Activity
Total: \$4.5 million
2017 - 2021

28. Bibliography:

a. Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journals:

1. Kosco, M.H., G.F. Burton, **Z.F. Kapasi**, A.K. Szakal and J.G. Tew. 1989. Antibody-forming cell induction during an early phase of germinal centre development and its delay with ageing. *Immunology*, 68:312-318.
2. **Z.F. Kapasi**, J.G. Tew and A.K. Szakal. 1993. Germinal Center development and Secondary antibody response in Bone marrow and thymus reconstituted old mice. *Aging: Immunology and Infectious Disease*, Vol 4. No. 2, 77-93.
3. **Z.F. Kapasi**, G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. 1993. Induction of functional Follicular dendritic cell development in severe combined immunodeficient mice (SCID) mice: the influence of B and T cells. *Journal of Immunology*, 150, 2648-2658.
4. **Z.F. Kapasi**, D. Qin, W.G. Kerr, M.H. Kosco-Vilbois, L.D. Shultz, J.G. Tew and A.K. Szakal. 1998. Follicular Dendritic Cell (FDC) Precursors in Primary Lymphoid Tissues.

Journal of Immunology, 160:1078-1084.

5. **Z.F. Kapasi**, P. Catlin, D. Joyner, M. Lewis, A. Schwartz and E. Townsend. 2000. Effects of Intense Exercise on Secondary Antibody Response in Young and Aged Mice. *Physical Therapy*, 80:1076-1086.
6. **Z.F. Kapasi**, P. Catlin, J. Beck, T. Kelley and K. Smith. 2001. The Role of Endogenous Opioids in Exercise-Induced Modulation of Secondary Antibody Response. *Physical Therapy*, 81:1801-1809.
7. **Z.F. Kapasi**, K. Murali-Krishna M.L. McRae and R. Ahmed. 2002. Defective Generation but Normal Maintenance of Memory T Cells in Old Mice. *European Journal of Immunology*, 32:1567-1573.
8. **Z.F. Kapasi**, J.G. Ouslander, J.F. Schnelle, M. Kutner and J.L. Fahey. 2003. Effects of an Exercise Intervention on Immunologic Parameters in Frail Elderly Nursing Home Residents. *Journal of Gerontology: Medical Sciences*, 58A (7):636-643.
9. **Z.F. Kapasi**, P. Catlin, M. Adams, E. Glass, B. McDonald and A. Nancarrow. 2003. The Effects of Moderate Physical Exercise Training on Humoral Immunity in Young Mice. *Physical Therapy*, 83:638-647.
10. **Z.F. Kapasi**, M.L. McRae and R. Ahmed. 2005. Suppression of Viral Specific Primary T Cell Response following Intense Physical Exercise in Young but not Old Mice. *Journal of Applied Physiology*, 98:663-671.
11. J.H. Chatraw, *E.J. Wherry, R. Ahmed and **Z.F. Kapasi**. 2008. Diminished Primary CD8 T Cell Response to Viral Infection during Protein Calorie Malnutrition is Due to Changes in Microenvironment and Low Numbers of Viral-Specific CD8 T Cell Precursors. *Journal of Nutrition*, 138(4):806-12.
12. S.S. Iyer, J.H. Chatraw, *W.G. Tan, E.J. Wherry, T.C. Becker, R. Ahmed, **Z.F. Kapasi**. 2012. Protein Energy Malnutrition Impairs Homeostatic Proliferation of Memory CD8 T cells. *Journal of Immunology*, Jan 1;188(1):77-84. Epub 2011 Nov 23.
13. **Z.F. Kapasi**, S.D. Pullen, B. Greene, S.J. Herdman and M.J. Johanson. 2016. The Role of Dual Degrees in the Physical Therapist Education Program at Emory University. *Journal of Physical Therapy Education*, Jan; 30 (1):31-39.
14. **Z.F. Kapasi**. 2016. Disabled Souls (a poem). *Journal of Humanities in Rehabilitation* Published online 20 June 2016 at journalofhumanitiesinrehabilitation.org
15. **Z.F. Kapasi** and B.P. Davis. 2017. Looking Outside Health Care to Teach Innovation in Physical Therapy Business Practice: Use of Harvard Business School Cases at Emory University. *Journal of Physical Therapy Education*. Vol. 31 Issue 4, p40-48.
16. D. Wise, J. Dominguez, **Z.F. Kapasi**, S. Brooks, V. Moerchen, L. Ross and B. Williams-York. 2017. Defining Underrepresented Minorities and Promoting Holistic Review Admission Strategies in Physical Therapist Education. *Journal of Physical Therapy Education*. 31(4):8-13.
17. V. Moerchen, B. Williams-York, L. Ross, D. Wise, J. Dominguez, **Z.F. Kapasi** and S. Brooks. 2018. Purposeful Recruitment Strategies to Increase Diversity in Physical Therapist Education. *Journal of Physical Therapy Education*. 32(3):209-217.
18. G. Jensen, D.U. Jette, J.F. Timmerberg, S.B. Chesbro, R. Dole, **Z. Kapasi** and A.

Lotshaw. 2022. Competency-Based Education in Physical Therapy: Developing a Framework for Education Research. *Journal of Physical Therapy Education*. 36(4):334-340.

* *Trainee (PhD student) is the first author or co-first author.*

b. Manuscripts Submitted:

1. T. Nordstrom, D.U. Jette, S.S. Deusinger, L. Hack, G.M. Jensen, Z. Kapasi, P. Kluding and C. Royeen. 2022. Accreditation as a Means of Achieving Excellence in Physical Therapy Education. *Journal of Physical Therapy Education* (in review).

c. Review Articles:

1. A.K. Szakal, **Z.F. Kapasi**, A. Masuda and J.G. Tew. 1992. Follicular dendritic cells in the alternative antigen transport pathway: microenvironment, cellular events, age and retrovirus related alterations. *Seminars in Immunology*, 4: 257-265.
2. A.K. Szakal, **Z.F. Kapasi**, S.T. Haley and J.G. Tew. 1995. A Theory of Follicular Dendritic Cell Origin. In: *Current topics in Microbiology and Immunology*, Vol. 201: Kosco-Vilbois (ed) An antigen depository of the immune system. Springer-Verlag: New York, 1995: 1-13.
3. G.F. Burton, **Z.F. Kapasi**, D. Qin, and J. Wu. 2001. Follicular Dendritic Cells (B-lymphocyte stimulating). In: *Encyclopedia of Life Sciences*, Macmillan Reference Ltd.
4. C.C. Goodman and **Z.F. Kapasi**. 2002. The Effect of Exercise on the Immune System. *Rehabilitation Oncology*, 20:13-15.

d. Symposium Contributions:

1. **Z.F. Kapasi**, M.T. Shahani and D.H. Dastoor. 1987. Study of Maximal Isometric Strength of Human Quadriceps Femoris Muscle in Various Age Groups in Males. *Physiotherapy*, 3:1, 19-22.
2. **Z.F. Kapasi**, M.H. Kosco, L.D. Shultz, J.G. Tew and A.K. Szakal. 1993. Cellular origin of follicular dendritic cells. In: *Advances in Experimental Medicine and Biology*, 355: 231-235.
3. A.K. Szakal, **Z.F. Kapasi**, L.D. Shultz, G.F. Burton, M.H. Kosco, and J.G. Tew. 1991. Reconstitution of Follicular Dendritic Cell (FDC) Defect in SCID Mice with Isogenic and Xenogeneic Bone Marrow and Lymphocytes. *Lymphatic Tissues and In Vivo Immune Responses*, eds., Imhof, Berrih-Aknin and Ezine, 119:691-695.
4. **Z.F. Kapasi**, G.F. Burton, L.D. Shultz, J.G. Tew and A.K. Szakal. 1993. Cellular requirements for functional reconstitution of follicular dendritic cells in SCID mice. In: *Dendritic Cells in Fundamental and Clinical Immunology*. Hoefsmit, E.C.M., and Nieuwenhuis, P. Editors. Plenum Publishing Corporation, New York, pp. 383-386.
5. R.E. Caffrey, **Z.F. Kapasi**, S.T. Haley, J.G. Tew and A.K. Szakal. 1993. DHEAS enhances germinal center responses in old mice. In: *Advances in Experimental Medicine and Biology*, 355: 225-229.

6. A.K. Szakal, **Z.F. Kapasi**, S.T. Haley and J.G. Tew. 1994. Multiple lines of evidence favoring a bone marrow derivation of follicular dendritic cells (FDC). In *Advances in Experimental Medicine and Biology*, 378: 267-272.
- e. Book Chapters:
1. J.G. Tew, G.F. Burton, A. Masuda, **Z.F. Kapasi** and A.K. Szakal, 1992. Dendritic Cells as Accessory Cells. In: *Immune System Accessory Cells*, Fornusek, L. and Vetvicka, V. Eds. CRC Press, Inc. Boca Raton Florida, Chapter 7, 131-160.
 2. G.F. Burton, **Z.F. Kapasi**, A.K. Szakal and J.G. Tew. 1994. The Generation and Maintenance of Antibody and B Cell Memory: The Role of Retained Antigen and Follicular Dendritic Cells. In: *Strategies in Vaccine Design*, Medical Intelligence Unit, Ada G.L. Ed. R.G. Landes Company, Austin, Chapter 3, 35-49.
 3. **Z.F. Kapasi**, S.T. Haley, J.G. Tew and A.K. Szakal. 1995. Origin of Follicular Dendritic Cells. In: *Follicular Dendritic Cells in Normal and Pathological Conditions*, Heinen E. Ed. R.G. Landes Company, Austin, Chapter 3, 23-34.
 4. J.G. Tew, **Z.F. Kapasi**, D. Qin, and A.K. Szakal. 1999. Origin of Follicular Dendritic Cells. In: *Dendritic Cells-Biology and Clinical Applications*, Lotze M.T. and Thomson A.W., Eds. Academic Press Ltd., London, U.K., Chapter 4, 51-62.
 5. **Z.F. Kapasi**. 2006. The Immune System and Infectious Disease and Disorders. In: *Physical Therapy in Acute Care – A Clinician’s Guide*, Malone, D. and Bishop-Lindsay, K. Eds. Slack, Inc. Thorofare, New Jersey, Book Chapter 5, 111-138.
 6. **Z.F. Kapasi** and C.C. Goodman. 2009. The Immune System. In: *Pathology – Implications for the Physical Therapist*, Goodman, CC. and Fuller, KS. Eds. Saunders, Inc. Philadelphia, Pennsylvania, Book Chapter 7, 241-297.
 7. **Z.F. Kapasi**. Exercise and the Immune System. 2013. In: *The Rehabilitation Specialist’s Handbook*, 4th Edition, Roy, SH, Wolf SL and Scalzitti, DA. Eds. FA Davis, Philadelphia, Pennsylvania, Section IX, Geriatrics, 687-688.
 8. **Z.F. Kapasi** and Beth P. Davis. Managing Human Resources. 2014. In: *Private Practice: The How-To Manual*, 2nd Edition, Sanders, JS, McMenamin and Sanders, K. Eds. American Physical Therapy Association, Private Practice Section Publication. Book Chapter 5, 43-66
- f. Other Publications:
1. **Z.F. Kapasi**. Disabled Souls (a poem). 2002. Published in *O’ Georgia! A Collection of Georgia’s Newest and Most Promising Writers*. Volume V: page 129 (modified version was peer-reviewed and published in the *Journal of Humanities in Rehabilitation* in 2016)
 2. **Z.F. Kapasi**. Health Reform Law and its Impact on Physical Therapists – Value across the spectrum of care. *The Academic Exchange – A forum for Emory faculty work, life, and thought*. Volume 13, No. 1, Fall 2010.
 3. **Z. Kapasi**. (2018). *American Council on Physical Therapy Education’s Oral History Audio Project: Zoher Kapasi*. Alexandria, VA: American Council of Physical Therapy Education. Accessed at: https://acapt.org/docs/default-source/transcripts/snapshot-audio-history_zoher-kapasi_09-23-18.docx on September 25, 2018

4. **Z. Kapasi.** (2021). Strategies To Increase Enrollment of Underrepresented Minorities in Physical Therapy Programs. Perspective Article. American Physical Therapy Association Weekly Newsletter. November 24, 2021. Accessed at: <https://www.apta.org/article/2021/11/24/strategies-enrollment-minorities-programs> on December 14, 2021.