CURRICULUM VITAE

Joseph R. Libonati, Ph.D.

BUSINESS ADDRESS

University of Pennsylvania School of Nursing
354 Claire M. Fagin Hall
418 Curie Boulevard
Philadelphia, PA 19104-4217

EDUCATION

Ph.D.	1993	Temple University, Philadelphia, PA, Exercise Physiology
M.S.	1987	East Stroudsburg University, East Stroudsburg, PA, Cardiac Rehabilitation
B.S.	1986	East Stroudsburg University, East Stroudsburg, PA, Exercise Physiology

POSTGRADUATE TRAINING & FELLOWSHIP APPOINTMENTS

Post-Doctoral Fellowship	1993 – 1996	Boston University School of Medicine; Boston, MA Whitaker Cardiovascular Institute Cardiac Muscle Research Laboratory, Supervisor: Carl Apstein, MD

PROFESSIONAL EXPERIENCE

1999	Clinical Physiologist, Exercise Testing Laboratory, Department of Cardiology, Beth Israel Deaconess Medical Center, Boston, MA
1992 - 1993	Research Assistant, Cellular Cardiology Laboratory, Department of Physiology, Temple University School of Medicine, Philadelphia, PA
1989 - 1990	Clinical Exercise Physiologist, Department of Cardiac and Pulmonary Rehabilitation, Saint Mary's Hospital, Langhorne, PA
1988 – 1989	Clinical Exercise Physiologist, Department of Cardiology, Robert Wood Johnson University Hospital, New Brunswick, NJ
1987 - 1988	Exercise Physiologist, Pritikan Longevity Center, Downingtown, PA

ACADEMIC POSITIONS

2011 –	Associate Professor, School of Nursing, University of Pennsylvania, Philadelphia, PA
2008 – 2011	Assistant Professor, School of Nursing, University of Pennsylvania, Philadelphia, PA
2002 – 2008	Adjunct Assistant Professor, Department of Physiology, Temple University School of Medicine, Philadelphia, PA
2000 – 2008	Assistant Professor, Department of Kinesiology, Temple University, Philadelphia, PA
1997	Laboratory Instructor, Integrated Human Physiology (Exercise Physiology), Harvard Medical School, Boston, MA
1996 - 2000	Assistant Professor, Department of Cardiopulmonary Sciences, Northeastern University, Boston, MA

1995 - 1996 Lecturer, Exercise Physiology and Cardiopulmonary Physiology and Assessment, Northeastern University, Boston, MA

1995 - 1996 Instructor, Department of Physiology, Boston University School of Medicine, Boston, MA

ADMINISTRATIVE POSITIONS

2012 – 2019 Director Laboratory of Innovative and Translational Nursing Research, School of Nursing, University of Pennsylvania, Philadelphia, PA

2000 – 2002 Director Biokinetics Research Laboratory, Temple University, Philadelphia, PA

1996 – 2000 Director Human Performance Laboratory, Northeastern University, Boston, MA

1996 – 2000 Undergraduate Exercise Physiology Program Director, Northeastern University, Boston, MA

TEACHING AWARDS

2013 Anne Keane Teaching Award, University of Pennsylvania, School of Nursing

2016 Anne Keane Teaching Award, University of Pennsylvania, School of Nursing

2017 Deans Exemplary Teaching Award, University of Pennsylvania, School of Nursing

2018 Graduate Student Teaching Award, University of Pennsylvania, School of Nursing

2020 Lindback Award for Distinguished Teaching, University of Pennsylvania

PEER REVIEW/HONORS/AWARDS/MEMBERSHIPS IN HONORARY SOCIETIES

2018 - 2019 Peer Reviewer, TriService Nursing Research Program

2016 Peer Reviewer, Delaware INBRE DRPP Pilot Proposal Grant

2015 Peer Reviewer, Aetna Foundation Inc, Aetna Foundation's Healthier World Innovation Challenge Grant

2014 Peer Reviewer, American Heart Association Strategically Focused Prevention Research Network

2012 - 2020 Fellow American Heart Association (Council on Basic Cardiovascular Sciences)

2011 - 2013 Chair, American Heart Association, Cardiac Biology/ Regulation 2 Study Group; and Cardiac Biology 2/3 (2012)

2010 - 2011 Co-Chair, American Heart Association, Cardiac Biology/ Regulation 2 Study Group

2010 Peer Reviewer, American Heart Association Cardiac Biology 2 and 3 Study Group (Fall)

2008 - 2009 Grant Peer Reviewer, American Heart Association, Region 1; Cardiac Biology/ Regulation 2 Study Group

2007 Grant Peer Reviewer, Israel Science Foundation

2006 Text Reviewer for Exercise Physiology; Kraemer and Fleck, Human Kinetics Publishers

2004 Peer Reviewer, National Athletic Training Research Association

2002	Cardiopulmonary Abstract Section Reviewer, American College of Sports Medicine, National Meeting
2001	Research Mentor, Ronald McNair Program; Temple University, Philadelphia, PA
2001 - 2004	Peer Reviewer, American Heart Association, Mid-Atlantic Study Section, Cardiovascular Pathophysiology, Anesthesiology and Surgery
1995	Finalist: Kalil Young Investigator Award for Outstanding Cardiovascular Research in New England Area Medical Schools, Boston, MA. Presented Paper: Reduced Ischemia and Reperfusion Injury with Exercise: Effects on Ca^{2+}_i, Electrophysiology, Biochemistry, and Isolated Heart Function

PUBLICATIONS

Journal Articles: Research, Peer Reviewed

1. Axsom JE, **Libonati JR**. Impact of parental exercise on epigenetic modifications inherited by offspring: A systematic review. Physiol Rep. 2019 Nov;7(22):e14287. doi: 10.14814/phy2.14287. Review. 31758667

2. Sefcik, JS., Ersek, M., **Libonati, JR**, Hartnett, S, Hodgson, N, & Cacchione, P. (2019). Heart rate of nursing home residents with advanced dementia and persistent vocalizations. *Health and Technology*. Advanced online publication. doi: 10.1007/s12553-019-00397-2.

3. **Libonati JR**. (2019) Cardiomyocyte Proliferation, Stem Cells and Aerobic Training. J Cardiol Forecast. 2(1): 1005.

4. Arisi MF, Chirico EN, Sebeny R, Muthukumaran G, Mu A, De Jonghe BC, Margulies KB, **Libonati JR**. (2017). Myocardial apoptosis and mesenchymal stem cells with acute exercise. Physiol Rep. Jun;5(11). pii: e13297. doi: 10.14814/phy2.13297. PMID: 28576853

5. Kolpakov MA, Rafiq K, Guo X, Hooshdaran B, Wang T, Vlasenko L, Bashkirova YV, Zhang X, Chen X, Iftikhar S, **Libonati JR**, Kunapuli SP, Sabri A. (2016) Protease-activated receptor 4 deficiency offers cardioprotection after acute ischemia reperfusion injury. J Mol Cell Cardiol. Jan;90:21-9. doi: 10.1016/j.yjmcc.2015.11.030. Epub 2015 Nov 28.

6. Chirico E, Ding D, Muthukumaran G, Houser SR, Starosta T, Mu A, Margulies KB **Libonati JR**. (2015). Acute Aerobic Exercise Increases Exogenously Infused Bone Marrow Cell Retention in the Heart Physiol Rep. Physiol Rep. 2015 Oct;3(10). pii: e12566. doi: 10.14814/phy2.12566. PMID: 26486160

7. Sturgeon K, Muthukumaran G, Ding D, Bajulaiye A, Ferrari V, **Libonati JR**. (2015) Moderate-intensity treadmill exercise training decreases murine cardiomyocyte cross-sectional area. Physiol Rep. 2015 May;3(5). pii: e12406. doi: 10.14814/phy2.12406. PMID:25991723

8. Mann S, Bajulaiye A, Sturgeon K, Sabri A, Muthukumaran G, **Libonati JR.** (2015) Effects of acute angiotensin II on ischemia reperfusion injury following myocardial infarction. J Renin Angiotensin Aldosterone Syst. J Renin Angiotensin Aldosterone Syst. 2015 Mar;16(1):13-22. doi: 10.1177/1470320314554963. Epub 2014 Dec 8. PMID: 25487980

9. **Libonati JR** (2015) Exercise and Stem Cell Therapeutics for the Infarcted Heart. Int J Sports Exerc Med 1:008.

10. Sturgeon KM, Ky B, **Libonati JR**, Schmitz KH. (2014) The effects of exercise on cardiovascular outcomes before, during, and after treatment for breast cancer. Breast Cancer Res Treat. 2014 Jan;143(2):219-26. doi: 10.1007/s10549-013-2808-3. Epub 2013 Dec 14. PMID:24337598

11. Sturgeon K, Schadler K, Muthukumaran G, Ding D, Bajulaiye A, Thomas NJ, Ferrari V, Ryeom S, **Libonati JR**. (2014). Concomitant low-dose doxorubicin treatment and exercise. Am J Physiol Regul Integr Comp Physiol. Sep 15;307(6):R685-92 PMID: 25009215

12. Fachko, MJ, Xiao C, Bowles KH, Robinson KM, **Libonati JR**. (2013). Cardiovascular effects and enjoyment of exer-gaming in older adults. J of Gerontological Nursing Jul 12:1-11. doi: 10.3928/00989134-20130628-01. Gerontol Nurs. 2013 Dec;39(12):43-54. doi: 10.3928/00989134-20130628-01. PMID: 23855328

13. Shore SM, Sachs ML, Ducette JP, **Libonati JR**. (2013). Step-count promotion through a school-based intervention. Clin Nurs Res. Apr 19. [Epub ahead of print] PMID: 23606186

14. **Libonati JR**. (2013). Is exercise really deleterious for the hypertensive heart? J Physiol. Apr 15;591(Pt 8):2225-6. doi: 10.1113/jphysiol.2012.249094. PMID: 23588504

15**. Libonati JR**. (2013) Cardiac Effects of Exercise Training in Hypertension. ISRN Hypertension, Article ID 980824, http://dx.doi.org/10.5402/2013/980824

16. **Libonati JR.** (2012). Cardiac remodeling and function following exercise and angiotensin II antagonism, Eur J Appl Physiol. Aug; 112 (8) 3149-54. PMID 22143841

17. Reger PO, Kolwicz SC, and **Libonati JR.** (2012). Acute Exercise exacerbates ischemia-induced diastolic rigor in hypertensive myocardium. SpringerPlus, 1;46.

18. Anderson DW Sr, **Libonati JR**. Physical activity and body mass perception. Clin Nurs Res. 2012 Aug;21(3):252-67. doi: 10.1177/1054773811426928. Epub 2011 Oct 31. PMID: 22042909

19. **Libonati JR**, Sabri AK, Xiao C, MacDonnell, SM, Renna BF. Exercise Training Improves Systolic Function in Hypertensive Myocardium. (2011). J Appl Physiol. Dec;111(6):1637-43. Epub 2011 Sep 15. PMID: 21921241

20. **Libonati, JR.,** & MacDonnell, SM. (2011). Cardiac beta-adrenergic responsiveness with exercise. Eur J Appl Physiol. Nov;111(11):2735-41. Epub 2011 Mar 15. PMID:21404069

21. Dean AS, **Libonati JR**, Madonna D, Ratcliffe SJ, Margulies KB. (2011). Resistance training improves vasoreactivity in end-stage heart failure patients on inotropic support. J Cardiovasc Nurs. May-Jun;26(3):218-23. PMID:21263349

22. Riegel B, Sawyer A, **Libonati JR.** (2011). "The lesser of two evils: Commentary on Kline et al. The effect of exercise training on obstructive sleep apnea and sleep quality: a randomized controlled trial. Sleep. Dec 1;34(12):1621-2. PMID:22131594

23. **Libonati, J.R.** (2011). Cardiac remodeling and exercise training in hypertension. Current Hypertension Reviews, 7, 20-28.

24. Brown SB, **Libonati JR,** Selak MA, Shannon RP, Simmons RA.(2010). Neonatal exendin-4 Leads to protection from reperfusion injury and reduced rates of oxidative phosphorylation in the adult rat heart. Cardiovasc Drug Ther, 24(3): 197-205. PMID: 20582459.

25. Kolpakov MA, Seqqat R, Rafiq K, Xi H, Margulies KB, **Libonati JR**, Powel P, Houser SR, Dell'italia LJ, Sabri A.(2009). Pleiotropic effects of neutrophils on myocyte apoptosis and left ventricular remodeling during early volume overload. J Mol Cell Cardiol, 47(5): 634-45. PMID:19716828; PMCID: PMC2761535.

26. Kolwicz SC, MacDonnell SM, Renna BF, Reger PO, Seqqat R, Rafiq K, Kendrick ZV, Houser SR, Sabri A, **Libonati JR**.(2009). Left ventricular remodeling with exercise in hypertension. Am J Physiol Heart Circ Physiol, 297(4): H1361-8. PMID:19666835; PMCID: PMC2770762.

27. Kolwicz SC, MacDonnell SM, Kendrick ZV, Houser SR, **Libonati JR**.(2008). Voluntary wheel running and pacing-induced dysfunction in hypertension. Clin Exp Hypertens, 30(7): 565-73. PMID:18855260.

28. Shore SM, Sachs ML, Lidicker JR, Brett SN, Wright AR, **Libonati JR**.(2008). Decreased scholastic achievement in overweight middle school students. Obesity(Silver Spring), 16(7): 1535-8. PMID:18451772.

29. Blewett AJ, Varma D, Gilles T, **Libonati JR**, Jansen SA.(2008). Development and validation of a high-performance liquid chromatography-electrospray mass spectrometry method for the simultaneous determination of 23 eicosanoids. J Pharm Biomed Anal, 46(4): 653-62. PMID:18215487.

30. **Libonati JR**. (2007). Aerobic run training improves brachial artery flow-mediated dilation. J Strength Cond Res, 21(4): 1291-5. PMID:18076272.

31. MacDonnell SM, Kubo H, Harris DM, Chen X, Berretta R, Barbe MF, Kolwicz S, Reger PO, Eckhart A, Renna BF, Koch WJ, Houser SR, **Libonati JR**. (2007). Calcineurin inhibition normalizes beta-adrenergic responsiveness in the spontaneously hypertensive rat. Am J Physiol Heart Circ Physiol, 293(5): H3122-9. PMID:17827263.

32. Renna BF, MacDonnell SM, Reger PO, Crabbe DL, Houser SR, **Libonati JR**. (2007). Relative systolic dysfunction in female spontaneously hypertensive rat myocardium. J Appl Physiol, 103(1): 353-8. PMID:17431084.

33. Kolwicz SC, Kubo H, MacDonnell SM, Houser SR, **Libonati JR**. (2007). Effects of forskolin on inotropic performance and phospholamban phosphorylation in exercise-trained hypertensive myocardium. J Appl Physiol, 102(2): 628-33. PMID:17082376.

34. **Libonati, JR**., Bazzano C., Faigenbaum, AD, Kirschner E, Bellucci M, & Pesce C. (2007) Cardiac adaptations to exercise: new perspectives for fitness professionals. ScuoladelloSport, (75) October-December, 21-28.

35. Bazzano C, Bellucci M, Kirschner E, Faigenbaum A D, **Libonati JR**, Pesce C. (2007). Physical activity intense or moderate? ScuoladelloSport,(75) October-December: 29-35.

36. Faigenbaum AD, Kirschner E, Bazzano C, **Libonati JR**, Bellucci M, Pesce C. (2007). Designing resistance training programs to maximize performance. ScuoladelloSport, (75) October-December: 37-44.

37. Funakoshi H, Chan TO, Good JC, **Libonati JR**, Piuhola J, Chen X, MacDonnell SM, Lee LL, Herrmann DE, Zhang J, Martini J, Palmer TM, Sanbe A, Robbins J, Houser SR, Koch WJ, Feldman AM.

(2006). Regulated overexpression of the A1-adenosine receptor in mice results in adverse but reversible changes in cardiac morphology and function. Circulation, 114(21): 2240-50. PMID:17088462.

38. **Libonati JR**, Gaughan JP. (2006). Low-intensity exercise training improves survival in Dahl salt hypertension. Med Sci Sports Exerc, 38(5): 856-8. PMID:16672837.

39. Renna BF, Kubo H, MacDonnell SM, Crabbe DL, Reger PO, Houser SR, **Libonati JR**. (2006). Enhanced acidotic myocardial Ca2+ responsiveness with training in hypertension. Med Sci Sports Exerc, 38(5): 847-55. PMID:16672836.

40. Reger PO, Barbe MF, Amin M, Renna BF, Hewston LA, MacDonnell SM, Houser SR, **Libonati JR**. (2006). Myocardial hypoperfusion/reperfusion tolerance with exercise training in hypertension. J Appl Physiol, 100(2): 541-7. PMID:16223983.

41. **Libonati JR**, Kendrick ZV, Houser SR. (2005). Sprint training improves postischemic, left ventricular diastolic performance. J Appl Physiol, 99(6): 2121-7. PMID:16037397.

42. MacDonnell SM, Kubo H, Crabbe DL, Renna BF, Reger PO, Mohara J, Smithwick LA, Koch WJ, Houser SR, **Libonati JR**. (2005). Improved myocardial beta-adrenergic responsiveness and signaling with exercise training in hypertension. Circulation, 111(25): 3420-8. PMID:15967848.

43. Dean AS, Margulies KB, Nicholas JJ, Rubin S, Gaughan JP, **Libonati JR**. (2005). Impaired vasoreactivity in end-stage heart failure patients on intravenous inotropic support. J Card Fail, 11(5): 351-7. PMID:15948085.

44. Mohara J, Aguilera I, Goldman BI, Fisher CA, Gaughan JP, **Libonati JR**, Furukawa S, Singhal AK. (2005). Effects of nutrient and hemoglobin enriched cell free perfusates upon ex vivo isolated rat heart preparation. ASAIO J, 51(3): 288-95. PMID:15968961.

45. **Libonati JR**. (2003). Exercise and diastolic function after myocardial infarction. Med Sci Sports Exerc, 35(9): 1471-6. PMID:12972864.

46. Kubo H, **Libonati JR**, Kendrick ZV, Paolone A, Gaughan JP, Houser SR. (2003). Differential effects of exercise training on skeletal muscle SERCA gene expression. Med Sci Sports Exerc, 35(1): 27-31. PMID:12544631.

47. **Libonati JR**, Glassberg HL. (2002). Exercise and coronary artery disease: assessing causes and managing risks. Phys Sportsmed, 30(11): 23-9. PMID:20086501.

48. Howell AK, Gaughan JP, Cairns MA, Faigenbaum AD, **Libonati JR**. (2001). The effect of muscle hypoperfusion-hyperemia on repetitive vertical jump performance. J Strength Cond Res, 15(4): 446-9. PMID:11726255.

49. **Libonati JR**, Howell AK, Incanno NM, Pettee KK, Glassberg HL. (2001). Brief muscle hypoperfusion/hyperemia: an ergogenic aid?. J Strength Cond Res, 15(3): 362-6. PMID:11710666.

50. **Libonati JR**, Ciccolo J, Glassberg HL. (2001). The Tei index and exercise capacity. J Sports Med Phys Fitness, 41(1): 108-13. PMID:11317157.

51. Guazzi M, Musante FC, Glassberg HL, **Libonati JR**. (2001). Detection of changes in diastolic function by pulmonary venous flow analysis in women athletes. Am Heart J, 141(1): 139-47. PMID:11136499.

52. **Libonati JR,** Faigenbaum AD. (2001). Promoting physical activity in adults, using the heart rate guide. American Journal of Medicine and Sports: 3: 69-72.

53. **Libonati JR**. (2000). Exercise training improves left ventricular isovolumic relaxation. Med Sci Sports Exerc, 32(8): 1399-405. PMID:10949005.

54. Hayward LM, Sullivan AC, **Libonati JR**. (2000). Group exercise reduces depression in obese women without weight loss. Percept Mot Skills, 90(1): 204-8. PMID:10769900.

55. Mansell KM, **Libonati JR.** (2000). Antioxidants and muscle fatigue. American Journal of Medicine and Sports, 2(1): 34-38.

56. **Libonati JR**, Colby AM, Caldwell TM, Kasparian R, Glassberg HL. (1999). Systolic and diastolic cardiac function time intervals and exercise capacity in women. Med Sci Sports Exerc, 31(2): 258-63. PMID:10063815.

57. **Libonati JR**. (1999). Myocardial diastolic function and exercise. Med Sci Sports Exerc, 31(12): 1741-7. PMID:10613423.

58. **Libonati JR.** (1999). Getting to the heart of the matter: cardiovascular adaptations to exercise. American College of Sports Medicine, Health Fitness Journal, 3(4): 19-23.

59. **Libonati JR**, Cox M, Incanno N, Melville SK, Musante FC, Glassberg HL, Guazzi M. (1998). Brief periods of occlusion and reperfusion increase skeletal muscle force output in humans. Cardiologia, 43(12): 1355-60. PMID:9988944.

60. Faigenbaum AD, Ciccolo J, **Libonati JR**. (1998). Perceptions of the heart-rate guide. Percept Mot Skills, 87(1): 315-20. PMID:9760664.

61. **Libonati JR**, Gaughan JP, Hefner CA, Gow A, Paolone AM, Houser SR. (1997). Reduced ischemia and reperfusion injury following exercise training. Med Sci Sports Exerc, 29(4): 509-16. PMID:9107634.

62. **Libonati JR**, Eberli FR, Sesselberg HW, Apstein CS. (1997). Effects of low-flow ischemia on the positive inotropic action of angiotensin II in isolated rabbit and rat hearts. Cardiovasc Res, 33(1): 71-81. PMID:9059530.

63. Faigenbaum AV, **Libonati JR**. (1996). Target heart rates: A new view of an old chart. American College of Sports Medicine Certified News, 6: 8-9.

Books and Book Chapters

1. **Libonati JR.** (2015) Exercise and myocardial remodeling in animal models with hypertension. In L. Pescatello (Ed). Effects of Exercise on Hypertension: From Cells to Physiological Systems (pp. 239-253).Switzerland: Springer International Publishing

2. **Libonati JR**, Glassberg HL, Balady GJ. (2001). Coronary artery disease. In P. Thompson (Ed.), Exercise and sports cardiology (pp. 146-169). New York: McGraw-Hill Publishing.

3. Apstein CS, **Libonati JR**, Varma N, Eberli FR.(1997). Exercise, diastolic function and dysfunction. In G. J. Balady & I. Pina (Eds.), Exercise and heart failure (pp.39-83). Armonk, NY: Futura Publishing.

4. **Libonati JR**. (1998). Exercise physiology: Laboratory manual for allied health professionals. Denton, TX: RonJon Publishing.

SELECTED CONSULTATION: RESEARCH/EDUCATIONAL

2019	Co-Developer, Nursing Pathophysiology and Pharmacology Course, Vin Univ., Vietnam
2017	Libonati Consulting, LLC, HUP Sports Cardiology
2008	Science in the City, Temple University, Philadelphia, PA
2004	Fitness Training Course, Southeastern Pennsylvania Transportation Authority (SEPTA) Police Department, Philadelphia, PA
1997 - 1999	Fitness Specialist Training Course, YMCA of the USA, Boston, MA
1996 - 1997	Cardiac Muscle Research Laboratory, BU School of Medicine,Boston, MA
1996 - 1997	United States Soldier Systems Command, United States Army, Natick, MA

SELECTED LECTURES BY INVITATION, SPEECHES, AND WORKSHOPS

2016	The Integrative Biology of Exercise VII, APS/ACSM. Exercise and Stem Cells in the Heart, Phoenix, AZ.
2016	Tutorial Lecture, American College of Sports Medicine. Stem Cells, Cardiomyogenesis and Aerobic Exercise Training, Boston, MA.
2015	Chair, Exercise and Cardiovascular Disease, Basic Cardiovascular Sciences 2015 Scientific Sessions, New Orleans, LA
2015	Co-chair and Presenter Experimental Biology, Treating Cardiovascular Disease With Exercise, Boston, MA
2014	Co-chair and organizer, Cardiac Signaling, Conduction and Exercise, Basic Cardiovascular Sciences 2014 Scientific Sessions, Las Vegas, NV
2010	Panel Discussion; Beautiful and Vibrant at Every Age. Trustees Council of Penn Women, University of Pennsylvania, Philadelphia, PA (Invited Presentation)
2010	Responsible Conduct of Research in Biomedical Sciences, Penn Undergraduate Research Mentorship Program, University of Pennsylvania, Philadelphia, PA (Invited Presentation)
2010	Panel Discussion; Women and Food. Trustees Council of Penn Women, University of Pennsylvania, Philadelphia, PA (Invited Presentation)
2009	Exercise Myths; Wharton School Preceptorials, Wharton School of Business, University of Pennsylvania, Philadelphia, PA (Invited Presentation)
2009	Cardiopulmonary Exercise Testing; Cardiology Fellows Conference, Department of Cardiology, University of Pennsylvania, Philadelphia, PA (Invited Presentation)
2009	Of Mice and Men; Studying the Myocardial Adaptations to Exercise, USDA Scholars Program; University of Pennsylvania, Philadelphia, PA (Invited Presentation)

RESEARCH MENTORING AT UNIVERSITY OF PENNSYLVANIA

2019-	Jessie Axsom, Hillman Scholar
2013-2015	Chair, Committee on Diversity and Equity, University of Pennsylvania
2013	Alison Trainor (Thomas Jefferson University Medical School and NIDDK Medical Student Summer Research Program in Diabetes and Metabolism Recipient), Primary Research Mentor
2013	Lauren Willcox (Lehigh University, Biology/ Pre-Med), Primary Research Mentor
2013	Florencia Arisi, SAS, Provost Undergraduate Research Mentor
2013	Margaret De Berardine, SAS, Provost Undergraduate Research Mentor
2013-2014	Marcella Hill FULD-FOUR Nursing Scholar
2013	Yu Kevin Zeng, Nursing MSN
2013-2014	Roxanne Sebeny, Nursing BSN FULD-FOUR Nursing Scholar and Independent Research Project.
2013	Vivian Wu, Nursing MSN
2013	Dennis Ding, SAS, MS, Bioengineering Program (Entering Medical School Fall 2013)
2013-2015	Sarah Mann, SAS
2012-2013	Akinyemi Bajulaiye, SAS Senior Independent Research Project- "Cardiotoxicity and Exercise", Primary Research Mentor
2011	Lauren Vaught, University of Florida, Visiting Intern
2010	Darryl Ulama, SAS, Provost Undergraduate Research Mentor
2010	Fannie Simmons Biomedical Technology Program Mentor, Wistar Institute
2011	Faculty Advisor; UPENN Fitness for Life Undergraduate Club

UNDERGRADUATE THESES

Maria Arisi (2016). "Exercise and Stem Cells", University of Pennsylvania, Philadelphia, PA

Kaitlyn Kennard (2012). "Pregnancy-Induced Cardiac Hypertrophy and its Effect on the Ventricular Myocytes", Thesis Committee Member, Ursinus College, Collegeville, PA

Julia Rappoport (2010). "Physiologic and Genetic Modifications of Oxidative Stress in the Brain," Primary Thesis Advisor, Biological Basis of Behavior, University of Pennsylvania, Philadelphia, PA

POST DOCS MENTORED AND DOCTORAL DISSERTATIONS

Post Docs:

Kathleen Sturgeon, Ph.D. (2012 -2014) Institute of Translational Medicine and Therapeutics, University of Pennsylvania (Co-mentor with Dr. Katie Schmitz)

Erica Chirico, Ph.D. (2013-2015), PENN-PORT Program (Primary Mentor)

Houry V. Puzantian, Ph.D. (2012) Institute of Translational Medicine and Therapeutics, University of Pennsylvania, The Role of Insulin and Glucose in Aortic Pulse Wave Velocity, Thesis Committee Member (Primary Mentor: Dr. Raymond Townsend)

Selected Doctoral Dissertations (from 25 total)

Jaime-Lara, Rosario, Ph.D. (2018). Olanzapine as Novel Treatment for Chemotherapy Induced Nausea and Vomiting. Committee Member, School of Nursing, University of Pennsylvania, Philadelphia, PA.

Lit Soo Ng, Ph.D. (2015). Perceived Stress and Autonomic Nervous System Measures: Their Relationships and the Role of Sleep Quality. -Reader. University of Pennsylvania, Philadelphia, PA

Ruth M. Masterson Creber **,** Ph.D. (2014). Profiling Patients With Heart Failure and Testing A Motivational Interviewing Intervention To Improve Heart Failure Care. -Reader. University of Pennsylvania, Philadelphia, PA

Lawrence Barr, PhD (2014). The Role of Calcium in the Regulation of Pathological Hypertrophy. - Committee Member, Temple University, Philadelphia, PA

Michael J. Fachko, Ph.D. (2012). Cardiovascular Effects and Enjoyment of Exer-Gaming on Older Adults. -Primary Thesis Advisor/Chair, School of Nursing, University of Pennsylvania, Philadelphia, PA

Nancy Ho, Ph.D. (2011) "Diabetes and Neurobehavioral Complications: The Role of Hippocampal Neurogenesis" - Committee Member, School of Nursing, University of Pennsylvania, Philadelphia, PA

Brian F. Renna, Ph.D. (2008) "The Effects of Exercise Training on the Cardiac Phenotype of the Female Spontaneously Hypertensive Rat" - Primary Thesis Advisor, Department of Kinesiology, Temple University, Philadelphia, PA

Son M. Pham, Ph.D. (2008) "Sex-Based Differences in the Response to Angiotensin II in Isolated Rat Hearts," - Committee Member, Department of Physiology, Temple University School of Medicine, Philadelphia, PA

Jane M. Fedorczyk, Ph.D. (2007) "Relationship Between the Neurochemical Response In Tendons and Motor Behavior Changes in A Rat Model of Upper Extremity Work-Related Musculoskeletal Disorder" - Committee Member, Department of Physical Therapy, Temple University, Philadelphia, PA

Scott M. McDonnell, Ph.D. (2006) "Beta Adrenergic Responsiveness in Hypertension: Impact of Exercise Training" - Primary Thesis Advisor/Chair, Department of Kinesiology, Temple University, Philadelphia, PA

Patricia O. Reger, Ph.D. (2006) "Myocardial Ischemia/Reperfusion Tolerance with Exercise in Hypertension"- Primary Thesis Advisor/Chair, Department of Kinesiology, Temple University, Philadelphia, PA