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EDUCATION

PhD , Exercise Physiology University of Florida, Gainesville, FL	2014
MS , Exercise Science, Strength and Conditioning The George Washington University, Washington D.C.	2011
BS , Public Health The Johns Hopkins University, Baltimore, MD	2006

AWARDS & ACHIEVEMENTS

APSelect research paper: Ghosh et al. (<i>JAP</i> 118(7): 904-11, 2015), American Physiological Society	2015
National Space Biomedical Research Institute's Predoctoral Gravitational Physiology Award, American Physiological Society	2014
Jane Adams Edmonds Endowed Ph.D. Fellowship, University of Florida	2011
Public Health Honors, The Johns Hopkins University	2006

PROFESSIONAL & RESEARCH EXPERIENCE

Teaching Faculty , Department of Nutrition, Food, and Exercise Sciences College of Human Sciences, Florida State University, Tallahassee, FL	2018-present
Post-Doctoral Scholar , Department of Nutrition, Food, and Exercise Sciences College of Human Sciences, Florida State University, Tallahassee, FL Supervisor: Dr. Michael D. Delp	2015-2018
Graduate Research Assistant , Department of Applied Physiology and Kinesiology College of Health and Human Performance, University of Florida, Gainesville, FL Advisor: Dr. Michael D. Delp Project: The Effects of Hindlimb Unloading and Heavy Ion Radiation on Skeletal Muscle Vascular Function	2011-2014
Graduate Intern , Strength and Conditioning The George Washington University, Washington D.C. Supervisor: Ben Kenyon	2010-2011
Graduate Intern , Strength and Conditioning Georgetown University, Washington D.C. Supervisor: Michael Hill	2010-2011
Senior Research Coordinator , Department of Population, Family and Reproductive Health Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD Supervisor: Dr. Wanda K. Nicholson	2006-2011

TEACHING EXPERIENCE

Guest Lecturer , APK 3110C, Applied Exercise Physiology Florida State University, Tallahassee, FL	2017
Guest Lecturer , APK 4112, Advanced Exercise Physiology University of Florida, Gainesville, FL	2014
Guest Lecturer , APK 4112, Advanced Exercise Physiology	2013

CERTIFICATIONS

Certified Strength & Conditioning Specialist, National Strength & Conditioning Association	2010-present
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PUBLICATIONS

1. Otzel DM, Conover CF, Ye F, Phillips EG, Bassett T, Wnek RD, Flores M, Catter A, **Ghosh P**, Balazs A, Petusevsky J. Longitudinal Examination of Bone Loss in Male Rats After Moderate–Severe Contusion Spinal Cord Injury. *Calcified Tissue International*. Sep 14:1-3. 2018.
2. Evanson KW, Goldsmith JA, **Ghosh P**, Delp MD. The G protein–coupled estrogen receptor agonist, G-1, attenuates BK channel activation in cerebral arterial smooth muscle cells. *Pharmacology Research & Perspectives*. Jul;6(4):e00409. 2018.
3. Phillips EG, Beggs LA, Ye F, Conover CF, Beck DT, Otzel DM, **Ghosh P**, Bassit AC, Borst SE, Yarrow JF. Effects of pharmacologic sclerostin inhibition or testosterone administration on soleus muscle atrophy in rodents after spinal cord injury. *PLoS one*. Mar 26;13(3):e0194440. 2018.
4. Hotta K, Behnke BJ, Arjmandi B, **Ghosh P**, Chen B, Brooks R, Maraj J, Elam M, Maher P, Kurien D, Churchill A, Sepulveda J, Kabolowsky M, Christou D, Muller-Delp JM. Daily muscle stretching enhances blood flow, endothelial function, capillarity, vessel density and connectivity in aged skeletal muscle. *J.Physiol*. 2018.
5. Hotta K, Chen B, Behnke BJ, **Ghosh P**, Stabley JN, Bramey JA, Sepulveda JL, Delp MD, Muller-Delp JM. Exercise training reverses age-induced diastolic dysfunction and restores coronary microvascular function. *J.Physiol*. 2017.
6. Gittemeier EM, Ericson T, **Ghosh P**, Copp SW, Opoku-Acheampong AB, Behnke BJ. Effects of aging and exercise training on the dynamics of vasoconstriction in skeletal muscle resistance vessels. *Eur.J.Appl.Physiol*. 117: 3: 397-407, 2017.
7. Delp MD, Charvat JM, Limoli CL, Globus RK, **Ghosh P**. Apollo lunar astronauts show higher cardiovascular disease mortality: Possible deep space radiation effects on the vascular endothelium. *Scientific Reports*. 6: 29901, 2016.
8. **Ghosh P**, Stabley JN, Behnke BJ, Allen MR, Delp MD. Effects of spaceflight on the murine mandible: Possible factors mediating skeletal changes in non-weight bearing bones of the head. *Bone* 83: 156-161, 2016.
9. **Ghosh P**, Behnke BJ, Stabley JN, Kilar CR, Park Y, Narayanan A, Alwood JS, Shirazi-Fard Y, Schreurs A, Globus RK, Delp MD. Effects of high-LET radiation exposure and hindlimb unloading on skeletal muscle resistance artery vasomotor properties and cancellous bone microarchitecture in mice. *Radiat.Res*. 185: 3: 257-266, 2016.
10. Prisby RD, Alwood JS, Behnke BJ, Stabley JN, McCullough DJ, **Ghosh P**, Globus RK, Delp MD. Effects of hindlimb unloading and ionizing radiation on skeletal muscle resistance artery vasodilation and its relation to cancellous bone in mice. *J.Appl.Physiol*. 120: 2: 97-106, 2016.
11. Toklu HZ, Muller-Delp J, Yang Z, Oktay S, Sakarya Y, Strang K, **Ghosh P**, Delp MD, Scarpace PJ, Wang KK, Tumer N. The functional and structural changes in the basilar artery due to overpressure blast injury. *J.Cereb.Blood Flow Metab*. 35: 12: 1950-1956, 2015.
12. **Ghosh P**, Mora Solis FR, Dominguez JM, Spier SA, Donato AJ, Delp MD, Muller-Delp JM. Exercise training reverses aging-induced impairment of myogenic constriction in skeletal muscle arterioles. *J.Appl.Physiol*. 118: 7: 904-911, 2015.
13. Beggs LA, Ye F, **Ghosh P**, Beck DT, Conover CF, Balazs A, Miller JR, Phillips EG, Zheng N, Williams AA. Sclerostin Inhibition Prevents Spinal Cord Injury-Induced Cancellous Bone Loss. *J.Bone and Mineral Research* 30: 4: 681-689, 2015.
14. Tumer N, Toklu HZ, Muller-Delp JM, Oktay S, **Ghosh P**, Strang K, Delp MD, Scarpace PJ. The effects of aging on the functional and structural properties of the rat basilar artery. *Physiol.Rep*. 2: 6: 10.14814/phy2.12031. Print 2014 Jun 1, 2014.
15. Taylor CR, Hanna M, Behnke BJ, Stabley JN, McCullough DJ, Davis RT, **Ghosh P**, Papadopoulos A, Muller-Delp JM, Delp MD. Spaceflight-induced alterations in cerebral artery vasoconstrictor, mechanical, and structural properties: implications for elevated cerebral perfusion and intracranial pressure. *FASEB J*. 27: 6: 2282-2292, 2013.
16. Sindler AL, Reyes R, Chen B, **Ghosh P**, Gurovich AN, Kang LS, Cardounel AJ, Delp MD, Muller-Delp JM. Age and exercise training alter signaling through reactive oxygen species in the endothelium of skeletal muscle arterioles. *J.Appl.Physiol*. 114: 5: 681-693, 2013.
17. Baptiste-Roberts K, **Ghosh P**, Nicholson WK. Pregravid physical activity, dietary intake, and glucose intolerance during pregnancy. *J.Womens.Health*. 20: 12: 1847-1851, 2011.
18. Bonekamp S, **Ghosh P**, Crawford S, Solga S, Horska A, Brancati F, Diehl A, Smith S, Clark J. Quantitative comparison and evaluation of software packages for assessment of abdominal adipose tissue distribution by magnetic resonance imaging. *Int.J.Obes*. 32: 1: 100-111, 2008.

ABSTRACTS & POSTERS

1. **Ghosh P**, Cullen A, Park H, Goldsmith J, Maraj J, Evanson K, Zawieja D, Behnke BJ, Delp M. Jugular veins demonstrate enhanced constriction following spaceflight in mice. Galveston, TX. 2018

2. **Ghosh P**, Hotta K, Lucero T, Borodunovich K, Cowan M, Bramy J, Behnke B, Delp M, Muller-Delp J. Contribution of adiponectin to vascular responses in bone resistance arteries in mice. *Experimental Biology*. Chicago, IL. 2017
3. Bramy J, Gorman K, Delp M, **Ghosh P**, Hotta K, Behnke B, Muller-Delp J. Contractile function of coronary arterioles is impaired in adiponectin-deficient mice. *Experimental Biology*. Chicago, IL. 2017
4. **Ghosh P**, Hotta K, Verma R, Kurien D, Chen B, Maher P, Behnke B, Delp M, Muller-Delp J. Effects of muscle stretching on hindlimb bone blood flow. *American Society of Bone and Mineral Research*. Atlanta, GA. 2016
5. Hotta K, Behnke B, Christou D, **Ghosh P**, Maher P, Kurien D, Verma R, Muller-Delp J. Effects of muscle stretching on endothelium-dependent vasodilation and skeletal muscle blood flow of aged rats. *Circulation*. Chicago, IL. 2014
6. **Ghosh P**, Morales-Solis F, Dominguez J, Delp M, Muller-Delp J. Contribution of Kv1 channel activity to myogenic responses in skeletal muscle arterioles with aging and exercise training. *Experimental Biology*. San Diego, CA. 2014
7. **Ghosh P**, Stabley J, Kilar C, Behnke B, Alwood J, Shirazi Y, Globus R, Delp M. Effects of hindlimb unloading and radiation on vasodilator responses in skeletal muscle arteries. *Experimental Biology*. San Diego, CA. 2014
8. Toklu H, Muller-Delp J, Yang Z, **Ghosh P**, Strang K, Scarpace P, Wang K, Tumer N. The functional changes in the basilar artery due to overpressure blast injury. *Experimental Biology*. San Diego, CA. 2014
9. Shirazi-Fard Y, Alwood J, Schreurs A, Tran L, **Ghosh P**, Stabley J, Delp M, Limoli C, Globus R. Deleterious effects of simulated spaceflight on bone and microvasculature in adult mice and dietary mitigation strategies. *NASA Human Research Program Investigators Workshop*. Galveston, TX. 2014
10. Hotta K, **Ghosh P**, Chen B, Rojas M, La H, Sapp G, Patel R, Matsunaga A, Masuda T, Muller-Delp J. Muscle stretching enhances nitric oxide-dependent vasodilation in skeletal muscle arterioles of aged rats. *Japanese Circulation Society, 77th Annual Scientific Meeting*, Yokohama, Japan. 2013
11. **Ghosh P**, Morales-Solis F, Spier S, Donato A, Delp M, Muller-Delp J. Exercise training increases myogenic responsiveness in skeletal muscle arterioles through enhanced release of endothelial contracting factors. *Advances in Skeletal Muscle Biology in Health and Disease*. Gainesville, FL. 2012
12. Gurovich A, **Ghosh P**, Sapp G, Chen B, Delp M, Muller-Delp J. Aerobic exercise affects body weight differently in young and old rats. *Experimental Biology*. San Diego, CA. 2012