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Education

- 09/2016-present **Ph.D. in Medical Sciences** concentrated on Health Outcomes and Policy, The University of Florida, United States
- 01/2009-08/2011 **M.A.S. in Statistics**, Department of Statistics, The Ohio State University, United States. GPA: 3.7
- 09/2004-12/2007 **M. S. in Human Nutrition**, The Ohio State University, United States. GPA: 3.7
- 09/1998-07/2002 **B.S. in Biology**, Nanjing University, China.
Percentage: 82.4/100, Major percentage: 87.1/100

Professional Experience

Statistical Research Coordinator (Data Management Analyst), College of Medicine, University of Florida

10/2011-present

Job responsibilities: Design and manage data file systems from multiple research projects that include multiple data sets; Conduct statistical data analyses and participate in interpretation of results; Oversee statistical analyses conducted by graduate student research assistants and staff; Participate in design and implementation of research and evaluation studies; Participate in data collection; Write, in collaboration with faculty and staff, scientific reports, conference papers, and journal articles.

Research Associate 1-B/H, College of Medicine, The Ohio State University

03/2008-10/2011

Job responsibilities: Assist Principle Investigator (PI) with research project implementation, data analysis and interpretation of results; participate in carrying out *in vitro* studies to evaluate drugs containing nano-vehicles; participate in *in vivo* studies to evaluate their therapeutic efficiency in experimental animals. Assists PI in compiling, organizing and preparing technical data and results for research papers, manuscripts, reports, proposals and/or presentations; perform critical analysis of literature relevant to research undertaken.

Graduate Research Associate, Department of Human Nutrition, The Ohio State University.

09/2005-12/2007

Job responsibilities: actively engage in conducting experimental studies; data analysis; computer searches; help to train other students; attend research group meetings; help prepare manuscripts/presentations; order supplies; and undertake other standard responsibilities

associated with the research process that may arise. Complete/Submit assignments in a timely manner with deadlines by research mentor.

Professional Development

05/2016 Attended as a teaching assistant in the three-day workshop - Selecting a Valid Sample Size for Longitudinal and Multilevel Study Designs, Department of Health Outcomes and Policy, University of Florida, Gainesville, FL

Publications & Presentations

Research Publications

1. Kline KP, Plumb J, Nguyen L, Shaw LJ, Beyth RJ, **Huo T**, Winchester DE. Patient and Provider Attitudes on Appropriate Use Criteria for Myocardial Perfusion Imaging. *JACC Cardiovasc Imaging*. 2016 Dec 8. pii: S1936-878X(16)30794-X. doi:10.1016/j.jcmg.2016.08.013. [Epub ahead of print]
2. Cardel MI, Chavez S, Bian J, Peñaranda E, Miller DR, **Huo T**, Modave F. Accuracy of weight loss information in Spanish search engine results on the internet. *Obesity*. 2016 Nov;24(11):2422-2434. doi: 10.1002/oby.21646. Epub 2016 Sep 21.
3. Smith SM, **Huo T**, Gong Y, Handberg E, Gulati M, Merz CN, Pepine CJ, Cooper-DeHoff RM. Mortality Risk Associated with Resistant Hypertension Among Women: Analysis from Three Prospective Cohorts Encompassing the Spectrum of Women's Heart Disease. *J Womens Health (Larchmt)*. 2016 Oct;25(10):996-1003. Epub 2016 May 25.
4. Rocca DG, Willenberg BJ, Qi Y, Simmons CS, Rubiano A, Ferreira LF, **Huo T**, Petersen JW, Ruchaya PJ, Wate PS, Wise EA, Handberg EM, Cogle CR, Batich CD, Byrne BJ, Pepine CJ. An injectable capillary-like microstructured alginate hydrogel improves left ventricular function after myocardial infarction in rats. An injectable capillary-like microstructured alginate hydrogel improves left ventricular function after myocardial infarction in rats. *Int J Cardiol*. 2016 Oct 1;220:149-54. doi: 10.1016/j.ijcard.2016.06.158. Epub 2016 Jun 25.
5. Barth RF, Wu G, Meisen WH, Nakkula RJ, Yang W, **Huo T**, Kellough DA, Kaumaya P, Turro C, Agius LM, Kaur B. Design, synthesis, and evaluation of cisplatin-containing EGFR targeting bioconjugates as potential therapeutic agents for brain tumors. *Onco Targets Ther*. 2016 May 10;9:2769-81. doi: 10.2147/OTT.S99242. eCollection 2016.
6. Nichols WW, Denardo SJ, Davidson JB, **Huo T**, Bairey Merz CN, Pepine CJ. Association of aortic stiffness and wave reflections with coronary flow reserve in women without obstructive coronary artery disease: An ancillary study from the National Heart, Lung, and Blood Institute-sponsored Women's Ischemia Syndrome Evaluation (WISE). *Am Heart J*. 2015 Dec;170(6):1243-54. doi: 10.1016/j.ahj.2015.08.019. Epub 2015 Aug 28.
7. Bavry AA, Handberg EM, **Huo T**, Lerman A, Quyyumi AA, Shufelt C, Sharaf B, Merz CN, Cooper-DeHoff RM, Sopko G, Pepine CJ. (2014) Aldosterone inhibition and coronary endothelial function in women without obstructive coronary artery disease: an ancillary study of the national heart, lung, and blood institute-sponsored women's ischemia syndrome evaluation. *Am Heart J*. 2014;167(6):826-32.
8. Smith SM, **Huo T**, Delia Johnson B, Bittner V, Kelsey SF, Vido Thompson D, Noel Bairey Merz C,

- Pepine CJ, Cooper-Dehoff RM. (2014) Cardiovascular and mortality risk of apparent resistant hypertension in women with suspected myocardial ischemia: a report from the NHLBI-sponsored WISE Study. *J Am Heart Assoc* 28;3(1):e000660.
9. Yang W, Barth RF, **Huo T**, Nakkula RJ, Weldon M, Gupta N, Agius L, Grecula JC. (2014) Radiation therapy combined with intracerebral administration of carboplatin for the treatment of brain tumors. *Radiat Oncol.* 14;9:25.
 10. Barth RF, Kabalka GW, Yang W, **Huo T**, Nakkula RJ, Shaikh AL, Haider SA, Chandra S. Evaluation of unnatural cyclic amino acids as boron delivery agents for treatment of melanomas and gliomas. *Appl Radiat Isot.* 88:38-42.
 11. Mohandas R, Sautina L, Li S, Wen X, **Huo T**, Handberg E, Chi YY, Merz CN, Pepine CJ, Segal MS. (2013) Number and Function of Bone-Marrow Derived Angiogenic Cells and Coronary Flow Reserve in Women without Obstructive Coronary Artery Disease: A Substudy of the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE). *PLoS One.* 8(12):e81595.
 12. Park KE, **Huo T**, Muller KE, Aranda JM, Hill JA, Anderson RD. (2013) Drug-eluting stents may not reduce target lesion revascularization in cardiac allograft vasculopathy. *J Interv Cardiol;* 27(1):80-5.
 13. Yang, W., Barth, R.F., **Huo, T.**, and Yongmao, Z. Boron neutron capture therapy: Progress and future prospects (in Chinese). *Chinese J. Radiation Oncology.* 2012;21(1):76-79.
 14. Racke FK, Baird M, Barth RF, **Huo T**, Yang W, Gupta N, Weldon M, Rutledge H. Unique *in vitro* and *in vivo* thrombopoietic activities of ingenol 3,20-dibenzoate, a Ca(++)-independent protein kinase C isoform agonist. *PloS One.* 2012;7(12): e51059.
 15. **Huo T**, Barth RF, Yang W, Nakkula RJ, Koynova R, Tenchov B, Chaudhury AR, Agius L, Boulikas T, Eileume H, Lee RJ. (2012) Preparation, biodistribution and neurotoxicity of liposomal cisplatin following convection enhanced delivery in normal and F98 glioma bearing rats. *PLoS One.* 7(11): e48752.
 16. Tiwari R, Toppino A, Agarwal HK, **Huo T**, Byun Y, Gallucci J, Hasabelnaby S, Khalil A, Goudah A, Baiocchi RA, Darby MV, Barth RF, Tjarks W. (2012) Synthesis, biological evaluation, and radioiodination of halogenated closo-carboranylthymidine analogues. *Inorg Chem.* 51(1): 629-639.
 17. Barth RF, Yang W, **Huo T**, Riley KJ, Binns PJ, Grecula JC, Gupta N, Rousseau J, Elleaume H. (2011) Comparison of intracerebral delivery of carboplatin and photon irradiation with an optimized regimen for boron neutron capture therapy of the F98 rat glioma. *Appl Radiat Isot.* 69(12): 1813-1816.
 18. Kabalka GW, Shaikh AL, Barth RF, **Huo T**, Yang W, Gordnier PM, Chandra S. (2011) Boronated unnatural cyclic amino acids as potential delivery agents for neutron capture therapy. *Appl Radiat Isot.* 69(12): 1776-1781.
 19. Kawabata S, Yang W, Barth RF, Wu G, **Huo T**, Binns PJ, Riley KJ, Ongayi O, Gottumukkala V, Vicente MG. (2011) Convection enhanced delivery of carboranylporphyrins for neutron capture therapy of brain tumors. *J Neuro-Oncol.* 103(2):175-85.
 20. Yang W, Kawabata S, Barth RF, Wu G, **Huo T**, Binns, P.J., Riley, K.J., Ongayi, O., Gottumukkala, V., and Vicente, M.G.H. Convection enhanced delivery of carboranylporphyrins for neutron capture therapy of brain tumors. *Proceedings of 14th International Congress on Neutron Capture Therapy.* pp. 33-36.
 21. Barth RF, Yang W, **Huo T**, Riley KJ, Binns PJ, Grecula JC, Gupta N, Rousseau J, Elleaume H.(2011). Comparison of intracerebral delivery of carboplatin and photon irradiation with an optimized regimen for boron neutron capture therapy of the F98 rat glioma. *Proceedings of 14th International Congress on Neutron Capture Therapy.* pp.37-40.
 22. Yang W, **Huo T**, Barth RF, Gupta N, Weldon M, Grecula JC, Ross BD, Hoff BA, Chou TC, Rousseau

- J, Elleaume H (2010). Convection enhanced delivery of carboplatin in combination with radiotherapy for the treatment of brain tumors. *J Neuro-Oncol.* 101(3):379-90.
23. Polar-Cabrera K, **Huo T**, Schwartz SJ, Failla ML (2010). Digestive stability and transport of norbixin, a 24-carbon carotenoid, across monolayers of Caco-2 cells. *J Agric Food Chem.*58(9):5789-5794
 24. Zhou C, Yu B, Yang X, **Huo T**, Lee LJ, Barth RF, Lee RJ (2010). Lipid-coated nano-calcium-phosphate (LNCP) for gene delivery. *Int J Pharm.* 392(1-2):201-208
 25. Yang W, Barth RF, Wu G, **Huo T**, Tjarks W, Ciesielski M, Fenstermaker RA, Ross BD, Wikstrand CJ, Riley KJ, Binns PJ. (2009) Convection enhanced delivery of boronated EGF as a molecular targeting agent for neutron capture therapy of brain tumors. *J. Neuro-Onco.* 95(3): 355-365.
 26. Thakkar SK, **Huo T**, Maziya-Dixon B, Failla ML.(2009) Impact of style of processing on retention and bioaccessibility of beta-carotene in cassava (*Manihot esculanta*, Crantz). *J Agric Food Chem.* 25;57(4):1344-8.
 27. Failla ML, **Huo T**, Thakkar SK (2008). *In vitro* screening of relative bioavailability of carotenoids from foods. (review) *Asian Pacific J Clin. Nutr.* 17(S1): 200-203.
 28. **Huo T.**, Ferruzzi MG, Schwartz SJ, Failla ML (2007) Impact of fatty acyl composition and quantity of triglycerides on bioaccessibility of dietary carotenoids. *J. Agric. Food Chem*, 55 (22): 8950-8957.
 29. Ding J, Jing X, **Huo T**, Cao D, Huang C. (2004) Effect of perilla oil on reducing triglyceride and cholesterol level in serum of hyperlipidemia model rats (in Chinese). *China Fats and Oils.* 29(10): 61-64.
 30. Jin A, Chen Y, Ding J, **Huo T**, Huang C. (2004) Impact of perilla oil on the antioxidative system of the brain in SSA mice (in Chinese). *Chinese J. Gerontology.* 24(7): 648-650.
 31. Ding J, Jin A, Shi L, **Huo T**, Huang C. (2004) Effect of *Spirulina* on Antioxdatation Ability of Liver during CCL4 Induced Chronic Liver Injury in Mice (in Chinese). *J. Lake Sci.* 16 (4): 343-348.
 32. **Huo T**, Jin A, Chen Y, Ding J, Huang C. (2004) Effect of perilla oil on GSH content of the brain in SSA-mice induced by D-galactose (in Chinese). *China Fats and Oils.* 29 (2): 68-70. (Indexed in Chemical Abstracts)
 33. Chen Y, Jin A, **Huo T**, Lv J, Huang C. (2003) Observations on the effects of Artemia powder on anti-stress actions of *Mus musculus* (in Chinese) *J. Nanjing Normal Univ. (Natural Science)*, 26 (1): 88-91.
 34. **Huo T**, Huang C, Chen Y. (2002) Effects of algae *Spirulina maxima* on hyperlipemic rats (in Chinese). *J. Nanjing Normal Univ. (Natural Science)*, 4 (2): 40-44.
 35. Liu G, Chen Y, Yang X, **Huo T**, Huang C. Expression of recombinant hTPO genes in HepG2 and its influences on the expression of TPO receptor (in Chinese). *J. Nanjing Normal University (Natural Science)*, 2003, 26 (1): 92-95.

Presentations

1. **Huo T**, Smith SM, Pepine CJ, Gong Y, Handberg EM, Gulati M, Bairey Merz CN, Cooper-DeHoff RM, Chi YY. The 70th Deming Conference on Applied Statistics, Dec. 8-12, 2014. Data and Statistical challenges in pooled analysis of clustered survival data from multiple clinical studies
2. Mohandas R, Segal MS, **Huo T**, Johnson BD, Handberg EM, Petersen J, Sopko G, Bairey Merz CN, Pepine CJ. American Heart Association (AHA) Scientific Sessions, Nov. 16-20, 2013. Mild Renal Insufficiency is an Independent Predictor of Coronary Microvascular Dysfunction among Women with Symptoms/Signs of Ischemia: A report from the Women's Ischemic Syndrome Evaluation (WISE).
3. Park K, **Huo T**, Chi YY, Handberg EM, Nada A, Junge C, Losordo DW, Pepine CJ, Anderson RD.

- American College of Cardiology (ACC) 61st Annual Scientific Session, Mar.24-27, 2012. Electromechanical Assessment of Myocardial Function (NOGA®) Is Associated with Exercise Improvement in Patients Treated with Autologous Stem Cell Therapy for Refractory Angina.
4. Racke FK, Baird ME, Barth RF, **Huo T**, Yang W, Weldon M, and Gupta N. Unique Thrombopoietic Activity of Novel PKC Agonist Ingenol 3,20 Dibenzoate. 51th American Society of Hematology (ASH) Annual Meeting. Dec. 5-8, 2009. New Orleans, Louisiana (Abstract 3622)
 5. Barth RF, Yang W, **Huo T**, et al. (2009) Boronated epidermal growth factor as a molecular targeting agent for neutron capture therapy of EGFR positive gliomas. In: Proceedings of the 100th Annual Meeting of the American Association for Cancer Research; 2009 Apr 18-22; Denver, CO. Philadelphia (PA): AACR; 2009.(Abstract 5599)
 6. **Huo T**, Ferruzzi MG, Belury MA., Schwartz SJ, and Failla ML. (2007) Impact of amount and triglyceride (TG) structure on micellarization of dietary carotenoids during simulated digestion. FASEB J. 21: A730 (Abstract 701.15).
 7. **Huo T**, Ferruzzi MG, Belury MA, Schwartz SJ, and Failla ML. (2007) Impact of triglyceride (TG) structure on bioaccessibility of dietary carotenoids using simulated digestion and Caco-2 cell model. Institute of Food Technology. (Abstract 010-14)

Honors and Awards

11/2016	Patient-Centered Outcomes Research Institute Annual Meeting Trainee Scholarship
06/2007	Serve on OARDC Graduate Competitive Grant Award Panel
07/2006-06/2007	Ohio Agricultural Research and Development Center (OARDC) Graduate Competitive Grant Award, US
09/2004-08/2005	Graduate School Fellowship at OSU, US
04/2004	Excellent Graduate Student at Nanjing University, China
09/2002-08/2003	National Scholarship for Excellent Graduate Student at Nanjing University, China

Membership in Professional Organizations

09/2010-present	American Statistician Association, student member
07/2010-present	Sigma Xi, member