



# Focusing on Research

Please take the opportunity to learn what research your peers are doing, congratulate them on their contributions and reach out for collaborations. #OneUniversity

## Notable Collaborations:

UNT Denton/HSC Educational Partnership agreement with the 711<sup>th</sup> Human Performance Wing, Air Systems Directorate, Bioeffects Division in San Antonio TX. UNT is the 19<sup>th</sup> educational institution to partner with the 711 HPW/RHD. The agreement opens doors for collaborative science, internships and fellowships for US citizens at the base. For more information, please contact [ResearchRelations@unthsc.edu](mailto:ResearchRelations@unthsc.edu). Researcher from the Tri-Service Research Laboratory will visit UNTHSC and UNT Denton campuses January 28-29, 2019.

## Notable Honors:

System College of Pharmacy (SCP) presented UNT at the 2018 Institute of Electrical & Electronics Engineers (IEEE) at MetroCon on Nov 7, 2018- Hurst Conference Center. Drs. Michail Kastellorizios, Iok-Hou Pang and Hongli Wu Co-chaired a BioTechnologies session. Presenters included: Dr. Ina Mishra, "Metabolic health screening using compact NMR"; Dr. Iok-Hou Pang, "Ligandomics: a revolutionary approach for drug discovery", and Dr. Hongli Wu, "Using grapes to fight against free radicals in the eye: cataract prevention". The session was well-attended, and the SCP presentations were well received, generating wonderful interactions. We are very proud of our SCP participants.

## September, October, November, December Publications:

	Title (Linked to Scopus Details)	Authors	Year	Source (alphabetical)
1	Tissue Plasminogen Activator-Porous Magnetic Microrods for Targeted Thrombolytic Therapy after Ischemic Stroke	Hu, J., Huang, S., Zhu, L., (...), Jin, K., Zhuge, Q.	2018	<i>ACS Applied Materials and Interfaces</i> , 10(39), pp. 32988-32997.
2	Clinical Outcomes for Diabetic Foot Ulcers Treated with Clostridial Collagenase Ointment or with a Product Containing Silver	Motley, T.A., Caporusso, J.M., Lange, D.L., (...), Cargill, D.I., Dickerson, J.E.	2018	<i>Advances in Wound Care</i> , 7(10), pp. 339-348.
3	Perspectives on ethnic and racial disparities in Alzheimer's disease and related dementias: Update and areas of immediate need	Babulal, G.M., Quiroz, Y.T., Albeni, B.C., (...), Zetterberg, H., O'Bryant, S.E.	2018	<i>Alzheimer's and Dementia. Article in Press</i>
4	Time course of compensatory physiological responses to central hypovolemia in high-and low-tolerant human subjects	Xiang, L., Hinojosa-Laborde, C., Ryan, K.L.,	2018	<i>American Journal of Physiology - Regulatory Integrative and</i>

		Rickards, C.A., Convertino, V.A.		<i>Comparative Physiology</i> , 315(2), pp. R408- R416.
5	Vasodilator function is impaired in burn injury survivors	Romero, S.A., Morales, G., Jaffery, M.F., Huang, M., Crandall, C.G.	2018	<i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> . 315(5), pp. R1054- R1060
6	AT1a influences GABAA-mediated inhibition through regulation of KCC2 expression	Farmer, G.E., Balapattabi, K., Bachelor, M.E., Little, J.T., Cunningham, J.T.	2018	<i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> . 315(5), pp. R972- R982
7	Improved glucose homeostasis in male obese zucker rats coincides with enhanced baroreflexes and activation of the nucleus tractus solitarius	Chaudhary, P., Schreihofner, A.M.	2018	<i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> . 315(6), pp. R1195- R1209
8	Pharmacological potentiation of the efferent vagus nerve attenuates blood pressure and renal injury in a murine model of systemic lupus erythematosus	Pham, G.S., Wang, L.A., Mathis, K.W.	2018	<i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> . 315(6), pp. R1261- R1271
9	Angiotensin receptor and tumor necrosis factor- $\alpha$ activation contributes to glucose intolerance independent of systolic blood pressure in obese rats	Rodriguez, R., Lee, A., Mathis, K.W., (...), Ryan, M.J., Ortiz, R.M.	2018	<i>American journal of physiology. Renal physiology</i> . 315(4), pp. F1081- F1090
10	Human papillomavirus vaccine initiation for adolescents following Rhode Island's school-entry requirement, 2010-2016	Thompson, E.L., Livingston, M.D., Daley, E.M., Zimet, G.D.	2018	<i>American Journal of Public Health</i> , 108(10), pp. 1421- 1423.
11	Good Vibrations: The Evolution of Whisking in Small Mammals	Muchlinski, M.N., Wible, J.R., Corfe, I., Sullivan, M., Grant, R.A.	2018	<i>Anatomical Record. Article in Press</i>

12	Remote ischemic conditioning for stroke: clinical data, challenges, and future directions	Zhao, W., Li, S., Ren, C., (...), Jin, K., Ji, X.	2018	<i>Annals of Clinical and Translational Neurology. Article in Press</i>
13	Antibiotic-induced dysbiosis predicts mortality in an animal model of clostridium difficile infection	Burdet, C., Sayah-Jeanne, S., Nguyen, T.T., (...), Mentré, F., De Gunzburg, J.	2018	<i>Antimicrobial Agents and Chemotherapy, 62(10), art. no. e00925.</i>
14	Personalized normative feedback for heavy drinking: An application of deviance regulation theory	Neighbors, C., DiBello, A.M., Young, C.M., (...), Blanton, H., Lewis, M.A.	2018	<i>Behaviour Research and Therapy. Article in Press</i>
15	How often parents make decisions with their children is associated with obesity	Rahman, A., Fulda, K.G., Franks, S.F., (...), Habiba, N., Muzaffar, O.	2018	<i>BMC Pediatrics, 18(1), art. no. 311.</i>
16	Lipopolysaccharide challenge reveals hypothalamic-pituitary-adrenal axis dysfunction in murine systemic lupus erythematosus	Pham, G.S., Mathis, K.W.	2018	<i>Brain Sciences, 8(10), art. no. 184.</i>
17	Stress and interferon signalling-mediated apoptosis contributes to pleiotropic anticancer responses induced by targeting NGLY1	Zolekar, A., Lin, V.J.T., Mishra, N.M., (...), Emmitte, K.A., Wang, Y.-C.	2018	<i>British Journal of Cancer. Article in Press</i>
18	Recurrent Granuloma Gluteale Infantum Secondary to Fecal Overflow Incontinence	Ingersoll, Z., Garza-Chapa, J.I., Pham, R., (...), Susa, J., Weis, S.	2018	<i>Case Reports in Dermatology, 10(2), pp. 203-207.</i>
19	Buffering chronic kidney disease with sodium bicarbonate	Williams, E.N., Mathis, K.W.	2018	<i>Clinical Science, 132(17), pp. 1999-2001.</i>
20	Mechanisms of Sex Disparities in Cardiovascular Function and Remodeling	Chaudhari, S., Cushen, S.C., Osikoya, O., (...), Mathis, K.W., Goulopoulou, S.	2018	<i>Comprehensive Physiology. 9(1), pp. 375-411</i>
21	Promoting guideline-based cancer genetic risk assessment for hereditary breast and ovarian cancer in ethnically and geographically diverse cancer survivors: Rationale and design of a 3-arm randomized controlled trial	Kinney, A.Y., Howell, R., Ruckman, R., (...), Paddock, L.E., Walters, S.T.	2018	<i>Contemporary Clinical Trials, 73, pp. 123-135.</i>

22	Distinguishing Comorbidity, Disability, and Frailty	Espinoza, S.E., Quiben, M., Hazuda, H.P.	2018	<i>Current Geriatrics Reports</i> , 7(4), pp. 201-209
23	#drunktwitter: Examining the relations between alcohol-related Twitter content and alcohol willingness and use among underage young adults	Litt, D.M., Lewis, M.A., Spiro, E.S., (...), Head-Corliss, M.K., Swanson, A.	2018	<i>Drug and Alcohol Dependence</i> , 193, pp. 75-82.
24	Nanopore sequencing: An enrichment-free alternative to mitochondrial DNA sequencing	Zascavage, R.R., Thorson, K., Planz, J.V.	2018	<i>Electrophoresis. Article in Press</i>
25	Current state-of-art of STR sequencing in forensic genetics	Alonso, A., Barrio, P.A., Müller, P., (...), Roewer, L., Budowle, B.	2018	<i>Electrophoresis</i> . 39(21), pp. 2655-2668
26	An Examination of the Relative Associations of Prototype Favorability, Similarity, and Their Interaction With Alcohol and Alcohol-Related Risky Sexual Cognitions and Behavior	Litt, D.M., Lewis, M.A., Fairlie, A.M., Head-Corliss, M.K.	2018	<i>Emerging Adulthood. Article in Press</i>
27	Potential highly polymorphic short tandem repeat markers for enhanced forensic identity testing	Novroski, N.M.M., Woerner, A.E., Budowle, B.	2018	<i>Forensic Science International: Genetics</i> , 37, pp. 162-171.
28	NIST interlaboratory studies involving DNA mixtures (MIX13): A modern analysis	Buckleton, J.S., Bright, J.-A., Cheng, K., Budowle, B., Coble, M.D.	2018	<i>Forensic Science International: Genetics</i> , 37, pp. 172-179.
29	Reconstituted HDL: Drug delivery platform for overcoming biological barriers to cancer therapy	Raut, S., Mooberry, L., Sabnis, N., (...), Dossou, A.S., Lacko, A.	2018	<i>Frontiers in Pharmacology</i> , 9(OCT), art. no. 01154.
30	Rat strain and housing conditions alter oxidative stress and hormone responses to chronic intermittent hypoxia	Snyder, B., Duong, P., Tenkorang, M., Wilson, E.N., Cunningham, R.L.	2018	<i>Frontiers in Physiology</i> . 9(NOV), 1554
31	Androgens modulate chronic intermittent hypoxia effects on brain and behavior	Snyder, B., Duong, P., Trieu, J., Cunningham, R.L.	2018	<i>Hormones and Behavior</i> , 106, pp. 62-73.
32	Antihypertensive treatment fails to control blood pressure during exercise	Raven, P.B.	2018	<i>Hypertension</i> , 72(1), pp. 63-64.
33	Interleukin-17A exacerbates disease severity in BALB/c mice susceptible to lung infection with <i>Mycoplasma pulmonis</i>	Mize, M.T., Sun, X.L., Simecka, J.W.	2018	<i>Infection and Immunity</i> , 86(9), art. no. e00292-18.

34	Aircraft-Assisted Pilot Suicides in the General Aviation Increased for One-Year Period after 11 September 2001 Attack in the United States	Vuorio, A., Laukkala, T., Junttila, I., (...), Navathe, P., Sajantila, A.	2018	<i>International journal of environmental research and public health.</i> 15(11)
35	Humanin attenuates NMDA-induced excitotoxicity by inhibiting ROS-dependent JNK/p38 MAPK pathway	Yang, X., Zhang, H., Wu, J., (...), Yan, L.-J., Zhang, C.	2018	<i>International Journal of Molecular Sciences</i> , 19(10), art. no. 2982.
36	Incidence of endemic human cutaneous leishmaniasis in the United States	McIlwee, B.E., Weis, S., Hosler, G.A.	2018	<i>JAMA Dermatology</i> , 154(9), pp. 1032-1039.
37	Sex-specific association of apolipoprotein e with cerebrospinal fluid levels of tau	Hohman, T.J., Dumitrescu, L., Barnes, L.L., (...), Yu, L., Zhao, Y.	2018	<i>JAMA Neurology</i> , 75(8), pp. 989-998.
38	Human Papillomavirus Vaccination and School Entry Requirements: Politically Challenging, but Not Impossible	Daley, E., Thompson, E., Zimet, G.	2018	<i>JAMA Pediatrics.</i> Article in Press
39	Osteopathic Manipulative Treatment Alters Gastric Myoelectric Activity in Healthy Subjects	Shadiack, E., Jouett, N., Van Den Raadt, A., (...), Hensel, K., Smith, M.	2018	<i>Journal of Alternative and Complementary Medicine.</i> 24(12), pp. 1176-1180
40	Exploring college students' sexual and reproductive health literacy	Vamos, C.A., Thompson, E.L., Logan, R.G., (...), Merrell, L.K., Daley, E.M.	2018	<i>Journal of American College Health.</i> Article in Press
41	Authors' Reply to Letter to the Editor	Schneider, H.P., Baca, J., Carpenter, B., (...), Fleischer, A.E., Sachs, B.D.	2018	<i>Journal of Foot and Ankle Surgery</i> , 57(5), pp. 1052-1053.
42	Application of a Health Literacy Framework to Explore Patients' Knowledge of the Link between HPV and Cancer	Best, A.L., Logan, R.G., Vázquez-Otero, C., (...), Gwede, C.K., Daley, E.M.	2018	<i>Journal of Health Communication</i> , 23(8), pp. 695-702.
43	Supraciliary Microstent in Refractory Open-Angle Glaucoma: Two-Year Outcomes from the DUETTE Trial	García-Feijoo, J., Höh, H., Uzunov, R., Dickerson, J.E.	2018	<i>Journal of Ocular Pharmacology and Therapeutics</i> , 34(7), pp. 538-542.

44	The Pain Registry for Epidemiological, Clinical, and interventional Studies and Innovation (PRECISION): Registry overview and protocol for a propensity score-matched study of opioid prescribing in patients with low back pain	Licciardone, J.C., Gatchel, R.J., Phillips, N., Aryal, S.	2018	<i>Journal of Pain Research.</i> 11, pp. 1751-1760
45	Response to Pazopanib in Patients with Relapsed Osteosarcoma	Elete, K.R., Albritton, K.H., Akers, L.J., Basha, R., Ray, A.	2018	<i>Journal of Pediatric Hematology/Oncology. Article in Press</i>
46	An ensemble-based likelihood ratio approach for family-based genomic risk prediction   [基于家系数据集群化似然比算法的疾病基因组遗传风险预测研究]	An, H., Wei, C.-S., Wang, O., (...), Lu, Q., Ye, C.-Y.	2018	<i>Journal of Zhejiang University: Science B.</i> 19(12), pp. 935-947
47	Reciprocal regulation of pro-inflammatory Annexin A2 and anti-inflammatory Annexin A1 in the pathogenesis of rheumatoid arthritis	Haridas, V., Shetty, P., Sarathkumar, E., (...), Patil, V., Dinesh, U.S.	2018	<i>Molecular Biology Reports. Article in Press</i>
48	Atrophied thymus, a tumor reservoir for harboring melanoma cells	Sizova, O., Kuriatnikov, D., Liu, Y., Su, D.-M.	2018	<i>Molecular Cancer Research.</i> 16(11), pp. 1652-1664
49	Tip110/SART3 regulates IL-8 expression and predicts the clinical outcomes in melanoma	Timani, K.A., Gyorffy, B., Liu, Y., Mohammad, K.S., He, J.J.	2018	<i>Molecular Cancer,</i> 17(1), art. no. 124.
50	Prolonged increase in ser31 tyrosine hydroxylase phosphorylation in substantia nigra following cessation of chronic methamphetamine	Salvatore, M.F., Nejtcek, V.A., Khoshbouei, H.	2018	<i>NeuroToxicology,</i> 67, pp. 121-128.
51	Food choice priorities change over time and predict dietary intake at the end of the first year of college among students in the U.S	Vilaro, M.J., Colby, S.E., Riggsbee, K., (...), Sowers, M., Mathews, A.E.	2018	<i>Nutrients,</i> 10(9), art. no. 1296.
52	Intrapartum Fetal Heart Rate Tracing Among Small-for-Gestational Age Compared With Appropriate-for-Gestational-Age Neonates	Chauhan, S.P., Weiner, S.J., Saade, G.R., (...), Sorokin, Y., Caritis, S.N.	2018	<i>Obstetrics and gynecology,</i> 132(4), pp. 1019-1025.
53	Models for predicting recurrence, complications, and health status in women after pelvic organ prolapse surgery	Jelovsek, J.E., Chagin, K., Lukacz, E.S., (...), Meikle, S.F., Kattan, M.W.	2018	<i>Obstetrics and Gynecology.</i> 132(2), pp. 298-309

54	Treatment duration affects cytoprotective efficacy of positive allosteric modulation of $\alpha 7$ nAChRs after focal ischemia in rats	Gaidhani, N., Uteshev, V.V.	2018	<i>Pharmacological Research</i> , 136, pp. 121-132.
55	Dopamine D3 receptor partial agonist LS-3-134 attenuates cocaine-motivated behaviors	Powell, G.L., Bonadonna, J.P., Vannan, A., (...), Luedtke, R.R., Neisewander, J.L.	2018	<i>Pharmacology Biochemistry and Behavior</i> , 175, pp. 123-129.
56	Distinguishing genetically between the germlines of male monozygotic twins	Krawczak, M., Budowle, B., Weber-Lehmann, J., Rolf, B.	2018	<i>PLoS Genetics</i> . 14(12),e1007756
57	CRISPR deletion of MIEN1 in breast cancer cells	Van Treuren, T., Vishwanatha, J.K.	2018	<i>PLoS ONE</i> , 13(10), art. no. e0204976.
58	Microbial enrichment and gene functional categories revealed on the walls of a spent fuel pool of a nuclear power plant	Silva, R., De Almeida, D.M., Cabral, B.C.A., (...), Budowle, B., Nassar, C.A.G.	2018	<i>PLoS ONE</i> , 13(10), art. no. e0205228.
59	The role of the built environment and private rooms for reducing central line-associated bloodstream infections	O'Neill, L., Park, S.-H., Rosinia, F.	2018	<i>PLoS ONE</i> , 13(7), art. no. e0201002.
60	Signature molecules expressed differentially in a liver disease stage-specific manner by HIV-1 and hcv co-infection	Whitmill, A., Kim, S., Rojas, V., (...), Singh, M., Park, I.-W.	2018	<i>PLoS ONE</i> , 13(8), art. no. e0202524.
61	Association between emergency physician self-reported empathy and patient satisfaction	Wang, H., Kline, J.A., Jackson, B.E., (...), Arze, S.E., Zenarosa, N.R.	2018	<i>PLoS ONE</i> , 13(9), art. no. e0204113.
62	Perceived Social and Built Environment Correlates of Transportation and Recreation-Only Bicycling Among Adults	Porter, A.K., Kohl, H.W., Pérez, A., (...), Pettee Gabriel, K., Salvo, D.	2018	<i>Preventing chronic disease</i> . 15, pp. E135
63	Factors associated with human papillomavirus (HPV) test acceptability in primary screening for cervical cancer: A mixed methods research synthesis	Tatar, O., Thompson, E., Naz, A., (...), Daley, E., Rosberger, Z.	2018	<i>Preventive Medicine</i> , 116, pp. 40-50.
64	Let-7i inhibition enhances progesterone-induced functional recovery in a mouse model of ischemia	Nguyen, T., Su, C., Singh, M.	2018	<i>Proceedings of the National Academy of Sciences of the United States of</i>

				<i>America</i> , 115(41), pp. E9668-E9677.
65	Alcohol Motivations and Behaviors During Months Young Adults Experience Social Role Transitions: Microtransitions in Early Adulthood	Patrick, M.E., Rhew, I.C., Lewis, M.A., (...), Schulenberg, J.E., Lee, C.M.	2018	<i>Psychology of Addictive Behaviors</i> . 32(8), pp. 895-903
66	Vive la résistance! The role of inspiratory resistance breathing on cerebral blood flow	Rickards, C.A.	2018	<i>Respiratory Physiology and Neurobiology</i> . Article in Press
67	Successful management of early gastrogastric fistula using fully covered esophageal stent	Jafri, S.A., Jay Roberts, D.O., Smith, A.	2018	<i>Surgery for Obesity and Related Diseases</i> . 14(12), pp. 1911-1913
68	Genomics-guided discovery of a new and significantly better source of anticancer natural drug FK228	Liu, X., Xie, F., Doughty, L.B., (...), Liu, X., Cheng, Y.-Q.	2018	<i>Synthetic and Systems Biotechnology</i> . 3(4), pp. 268-274
69	Electronic cigarette explosion and burn injuries, US Emergency Departments 2015-2017	Rossheim, M.E., Livingston, M.D., Soule, E.K., Zeraye, H.A., Thombs, D.L.	2018	<i>Tobacco Control</i> . Article in Press
70	What's the influence of social interactions on substance use and treatment initiation? A prospective analysis among substance-using probationers	Spohr, S.A., Livingston, M.D., Taxman, F.S., Walters, S.T.	2019	<i>Addictive Behaviors</i> , 89, pp. 143-150.
71	Differential effects of protein kinase C-eta on apoptosis versus senescence	Basu, A., Pal, D., Blaydes, R.	2019	<i>Cellular Signalling</i> . 55, pp. 1-7
72	Expanding beyond the current core STR loci: An exploration of 73 STR markers with increased diversity for enhanced DNA mixture deconvolution	Novroski, N.M.M., Wendt, F.R., Woerner, A.E., (...), Coble, M., Budowle, B.	2019	<i>Forensic Science International: Genetics</i> . 38, pp. 121-129
73	Forensic human identification with targeted microbiome markers using nearest neighbor classification	Woerner, A.E., Novroski, N.M.M., Wendt, F.R., (...), Schmedes, S.E., Budowle, B.	2019	<i>Forensic Science International: Genetics</i> . 38, pp. 130-139
74	Probabilistic genotyping software: An overview	Coble, M.D., Bright, J.-A.	2019	<i>Forensic Science International: Genetics</i> . 38, pp. 219-224



75	Compound stutter in D2S1338 and D12S391	Woerner, A.E., King, J.L., Budowle, B.	2019	<i>Forensic Science International: Genetics</i> . 39, pp. 50-56
76	Children with Autism Spectrum Disorder, Developmental Coordination Disorder, and typical development differ in characteristics of dynamic postural control: A preliminary study	Miller, H.L., Caçola, P.M., Sherrod, G.M., Patterson, R.M., Bugnariu, N.L.	2019	<i>Gait and Posture</i> , 67, pp. 9-11.
77	The shear complexity of insulin-stimulated vasodilatation	Lalande, S., Romero, S.A.	2019	<i>Journal of Physiology</i> . 597(1), pp. 11
78	Basics on the use of acid-sensing ion channels' inhibitors as therapeutics	Dibas, J., Al-Saad, H., Dibas, A.	2019	<i>Neural Regeneration Research</i> . 14(3), pp. 395-398
79	Intracranial atherosclerotic disease	Wang, Y., Meng, R., Liu, G., (...), Ji, X., Cao, G.	2019	<i>Neurobiology of Disease</i> . 124, pp. 118-132
80	Cannabinoid-like effects of five novel carboxamide synthetic cannabinoids	Gatch, M.B., Forster, M.J.	2019	<i>NeuroToxicology</i> . 70, pp. 72-79
81	Daytime Compared With Nighttime Differences in Management and Outcomes of Postpartum Hemorrhage	Yee, L.M., McGee, P., Bailit, J.L., (...), Blackwell, S.C., Tolosa, J.E.	2019	<i>Obstetrics and gynecology</i> . 133(1), pp. 155-162