

## JHS Scholar Publications (2004 – Present)

\*- Indicates publication with JHS Data

### 2021

Aboulgheit A, Karbasiafshar C, Zhang Z, Sabra M, Shi G, **Tucker A**, Sodha N, Abid MR, Sellke FW. *Lactobacillus plantarum* probiotic induces Nrf2-mediated antioxidant signaling and eNOS expression resulting in improvement of myocardial diastolic function. *Am J Physiol Heart Circ Physiol*. 2021 Nov 1;321(5):H839-H849. doi: 10.1152/ajpheart.00278.2021. Epub 2021 Sep 10. PMID: 34506225; PMCID: PMC8616611.

Ingram NE, **Jordan BJ**, Donnadieu B, Creutz SE. Barium and titanium dithiocarbamates as precursors for colloidal nanocrystals of emerging optoelectronic materials. *Dalton Trans*. 2021 Nov 16;50(44):15978-15982. doi: 10.1039/d1dt03018c. PMID: 34610070.

### 2020 - NONE

### 2019

Conner, S.C., Lodi, S., Lunetta, K.L., Casas, J.P., Lubitz, S.A., Ellinor, P.T., Anderson, C.D., Huang, Q., **Coleman, J., White, W.B.** and Benjamin, E.J., 2019. Refining the Association Between Body Mass Index and Atrial Fibrillation: G-Formula and Restricted Mean Survival Times. *Journal of the American Heart Association*, 8(16), p.e013011.

Li, L., Mei, H. and **Commey, A.N.A.**, 2019. Application of RNA-sequencing to identify transcriptome modification by DCLK1 in colorectal cancer cells. *Cancer gene therapy*, pp.1-11.

Sengupta, B., **Coleman, J., Johnson, J.** and Feng, M., 2019. Graphene oxide as selective transporter of flavonols for physiological target DNA: A two-color fluorescence approach. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*.

Yang, Z.H., Pryor, M., Noguchi, A., Sampson, M., **Johnson, B.**, Pryor, M., Donkor, K., Amar, M. and Remaley, A.T., 2019. Dietary Palmitoleic Acid Attenuates Atherosclerosis Progression and Hyperlipidemia in Low-Density Lipoprotein Receptor-Deficient Mice. *Molecular nutrition & food research*, p.1900120.

Conner, S.C., Lodi, S., Lunetta, K.L., Casas, J.P., Lubitz, S.A., Ellinor, P.T., Anderson, C.D., Huang, Q., **Coleman, J., White, W.B.** and Benjamin, E.J., 2019. Refining the Association Between Body Mass Index and Atrial Fibrillation: G-Formula and Restricted Mean Survival Times. *Journal of the American Heart Association*, 8(16), p.e013011.

### 2018

Plenty, N.L., Faulkner, J.L., **Cotton, J.**, Spencer, S.K., Wallace, K., LaMarca, B. and Murphy, S.R., 2018. Arachidonic acid metabolites of CYP4A and CYP4F are altered in women with preeclampsia. *Prostaglandins & other lipid mediators*, 136, pp.15-22.

**Clayton, A.M.**, Shao, Q., Paauw, N.D., Giambone, A.B., Granger, J.P. and Warrington, J.P., 2018. Postpartum increases in cerebral edema and inflammation in response to placental ischemia during pregnancy. *Brain, behavior, and immunity*, 70, pp.376-389.

## 2017

Sengupta, B., Mukherjee, C.S., Chakrabarty, S., **Muhammad, M.J.**, Gladney, W. and Armstrong, G., 2017. Chiral alkylated-aniline as a noninvasive fluorescence sensor: Spectroscopic and molecular modeling studies. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*.

Majumdar, S., Patil, C.N., Ladner-Threadgill, T., **Randolph, E.**, Burgreen, G.W. and Kermode, J.C., 2017. Platelet activation and erythrocyte lysis during brief exposure of blood to pathophysiological shear stress in vitro. *Clinical hemorheology and microcirculation*, 67(2), pp.159-172.

## 2016

Chakraborty, S., Kumar, A., Butt, N.A., Zhang, L., **Williams, R.**, Rimando, A.M., Biswas, P.K. and Levenson, A.S., 2016. Molecular insight into the differential anti-androgenic activity of resveratrol and its natural analogs: In silico approach to understand biological actions. *Molecular BioSystems*, 12(5), pp.1702-1709.

Garner, B., **Brown, E.**, Taplin, M., Garcia, A. and Williams-Mapp, B., 2016. Transferrin Impacts Bacillus thuringiensis Biofilm Levels. *BioMed research international*, 2016.

Hooper, C.W., Delaney, C., **Streeter, T.**, Yarboro, M.T., Poole, S., Brown, N., Slaughter, J.C., Cotton, R.B., Reese, J. and Shelton, E.L., 2016. Selective serotonin reuptake inhibitor exposure constricts the mouse ductus arteriosus in utero. *American Journal of Physiology-Heart and Circulatory Physiology*, 311(3), pp.H572-H581.

Sengupta, B., Sinha, S.S., Garner, B.L., Arany, I., Corley, C., Cobb, K., **Brown, E.** and Ray, P.C., 2016. Influence of Aptamer-Enclosed Silver Nanocluster on the Prevention of Biofilm by Bacillus thuringiensis. *Nanoscience and Nanotechnology Letters*, 8(12), pp.1054-1060.

Wang, Y., Min, J., **Harris, K.**, Khuri, J., and Anderson L.M., 2016. A systematic examination of food intake and adaptation to the food environment by refugees settled in the United States. *Advances in Nutrition*, 7(6), 1066-1079.

## 2015

Jackson-Hayes, L., Hill, T.W., Loprete, D.M., DelBove, C.E., Shapiro, J.A., **Henley, J.L.** and Dawodu, O.O., 2015. Two amino acid sequences direct Aspergillus nidulans protein kinase C (PkcA) localization to hyphal apices and septation sites. *Mycologia*, 107(3), pp.452-459.

## 2014

Clark, D., Youngblood, C., Taplin, M., **Brown, E.**, Williams, B.S., **Phillips, C.** and Garner, B., 2014. Impact of Iron Availability on *Bacillus amyloliquefaciens* Growth. *Advances in Microbiology*, 4(13), p.962.

Sengupta, B., Reilly, S.M., Davis Jr, D.E., **Harris, K.**, Wadkins, R.M., Ward, D., Gholar, D.A. and **Hampton, C.**, 2014. Excited state proton transfer of natural flavonoids and their chromophores in duplex and tetraplex DNAs. *The Journal of Physical Chemistry B*, 119(6), pp.2546-2556.

\*Sung, J.H., Lee, J.E., Samdarshi, T.E., Nagarajarao, H.S., **Taylor, J.K.**, Agrawal, K.K., Taylor Jr, H.A. and Fox, E.R., 2014. C-reactive Protein and Subclinical Cardiovascular Disease among African Americans:(the Jackson Heart Study). *Journal of cardiovascular medicine (Hagerstown, Md.)*, 15(5), p.371.

## 2013

Pahari, B., Chakraborty, S., Sengupta, B., Chaudhuri, S., Martin, W., Taylor, J., **Henley, J.**, Davis, D., Biswas, P.K., Sharma, A.K. and Sengupta, P.K., 2013. Biophysical Characterization of Genistein in Its Natural Carrier Human Hemoglobin Using Spectroscopic and Computational Approaches. *Food and Nutrition Sciences*, 4(08), p.83.

## 2012

Sengupta, B., Chakraborty, S., **Crawford, M.**, **Taylor, J.M.**, Blackmon, L.E., Biswas, P.K. and Kramer, W.H., 2012. Characterization of diadzein–hemoglobin binding using optical spectroscopy and molecular dynamics simulations. *International journal of biological macromolecules*, 51(3), pp.250-258.

## 2011

Mao, J., Ai, J., Zhou, X., Shenwu, M., Ong, M., Blue, M., **Washington, J.T.**, Wang, X. and Deng, Y., 2011. Transcriptomic profiles of peripheral white blood cells in type II diabetes and racial differences in expression profiles. *BMC genomics*, 12(5), p.S12.

\*Hickson, D.A., Burchfiel, C.M., Liu, J., Petrini, M.F., **Harrison, K.**, White, W.B. and Sarpong, D.F., 2011. Diabetes, impaired glucose tolerance, and metabolic biomarkers in individuals with normal glucose tolerance are inversely associated with lung function: the Jackson Heart Study. *Lung*, 189(4), pp.311-321.

## 2010

Hennington, B.S., **Jones, E.J.**, Taylor, L., Trocquet, D.M., Ojeda, N.B., Royals, T.B. and Alexander, B.T., 2010. Bioavailability of nitric oxide is impaired in hypertensive male IUGR offspring. *The FASEB Journal*, 24(1 Supplement), pp.1041-7.

Cook, S.M., Aker, W.G., Rasulev, B.F., Hwang, H.M., Leszczynski, J., **Jenkins, J.J.** and Shockley, V., 2010. Choosing safe dispersing media for C60 fullerenes by using cytotoxicity tests on the bacterium *Escherichia coli*. *Journal of hazardous materials*, 176(1-3), pp.367-373.

## 2009

Furtak, S.C., Cho, C.E., Kerr, K.M., Barredo, J.L., **Alleyne, J.E.**, **Patterson, Y.R.** and Burwell, R.D., 2009. The Floor Projection Maze: A novel behavioral apparatus for presenting visual stimuli to rats. *Journal of neuroscience methods*, 181(1), pp.82-88.

Hennington, B.S., **Dawson, A.**, Ojeda, N., Royals, T.B. and Alexander, B.T., 2009. Oxidant status is maintained through different mechanisms in male and female intrauterine growth restricted offspring. *The FASEB Journal*, 23(1 Supplement), pp.LB176-LB176.

Kalluri, J.R., Arbnesi, T., Afrin Khan, S., Neely, A., Candice, P., Varisli, B., **Washington, M.**, **McAfee, S.**, Robinson, B., Banerjee, S. and Singh, A.K., 2009. Use of gold nanoparticles in a simple colorimetric and ultrasensitive dynamic light scattering assay: selective detection of arsenic in groundwater. *Angewandte Chemie*, 121(51), pp.9848-9851.

Molenaar, E.A., Massaro, J.M., Jacques, P.F., Pou, K.M., Ellison, R.C., Hoffmann, U., Pencina, K., **Shadwick, S.D.**, Vasani, R.S., O'donnell, C.J. and Fox, C.S., 2009. Association of lifestyle factors with abdominal subcutaneous and visceral adiposity. *Diabetes Care*, 32(3), pp.505-510.

## 2008

Hoven, C.V., Yang, R., Garcia, A., **Crockett, V.**, Heeger, A.J., Bazan, G.C. and Nguyen, T.Q., 2008. Electron injection into organic semiconductor devices from high work function cathodes. *Proceedings of the National Academy of Sciences*, 105(35), pp.12730-12735.

## 2007

Grigore, D., Ojeda, N.B., Robertson, E.B., **Dawson, A.S.**, **Huffman, C.A.**, Bourassa, E.A., Speth, R.C., Brosnihan, K.B. and Alexander, B.T., 2007. Placental insufficiency results in temporal alterations in the renin angiotensin system in male hypertensive growth restricted offspring. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 293(2), pp.R804-R811.

## 2006

**Lee, M.**, Entzminger, L., Lohsoonthorn, V. and Williams, M.A., 2006. Risk Factors Of Hypertension and Correlates Of Blood Pressure and Mean Arterial Pressure Among Thai Population. *Journal of the Medical Association of Thailand*, 89(8) pp. 1213-21.

## 2005

Vera, T., **Taylor, M.**, Bohman, Q., Flasch, A., Roman, R.J. and Stec, D.E., 2005. Fenofibrate prevents the development of angiotensin II-dependent hypertension in mice. *Hypertension*, 45(4), pp.730-735.

**2004**

Lu, P.Y., **Taylor, M.**, Jia, H.T. and Ni, J.H., 2004. Muscle LIM protein promotes expression of the acetylcholine receptor  $\gamma$ -subunit gene cooperatively with the myogenin-E12 complex. *Cellular and Molecular Life Sciences CMLS*, 61(18), pp.2386-2392.