

## Publications for Andrew Holmes

### 2019

Koay, Y., Wali, J., Luk, A., Macia, L., Cogger, V., Pulpitel, T., Wahl, D., Solon-Biet, S., Holmes, A., Simpson, S., O'Sullivan, J. (2019). Ingestion of resistant starch by mice markedly increases microbiome-derived metabolites. *The FASEB Journal*, 33(7), 8033-8042. <a href="http://dx.doi.org/10.1096/fj.201900177R">[More Information]</a>

### 2018

McCarl, V., Somerville, M., Ly, M., Henry, R., Liew, E., Wilson, N., Holmes, A., Coleman, N. (2018). Heterologous expression of Mycobacterium alkene monooxygenases in Gram-positive and Gram-negative bacterial hosts. *Applied and Environmental Microbiology*, 84(15), 1-16. <a href="http://dx.doi.org/10.1128/AEM.00397-18">[More Information]</a>

### 2017

Holmes, A., Chew, Y., Colakoglu, F., Cliff, J., Klaassens, E., Read, M., Solon-Biet, S., McMahon, A., Cogger, V., Ruohonen, K., Raubenheimer, D., Le Couteur, D., Simpson, S. (2017). Diet-Microbiome Interactions in Health Are Controlled by Intestinal Nitrogen Source Constraints. *Cell Metabolism*, 25(1), 140-151. <a href="http://dx.doi.org/10.1016/j.cmet.2016.10.021">[More Information]</a>

Read, M., Holmes, A. (2017). Towards an integrative understanding of diet-host-gut microbiome interactions. *Frontiers in Immunology*, 8, 1-9. <a href="http://dx.doi.org/10.3389/fimmu.2017.00538">[More Information]</a>

### 2016

Cogger, V., Mohamad, M., Solon-Biet, S., Senior, A., Warren, A., O'Reilly, J., Tung, B., Svistounov, D., McMahon, A., Fraser, R., Raubenheimer, D., Holmes, A., Simpson, S., Le Couteur, D. (2016). Dietary Macronutrients and the Aging Liver Sinusoidal Endothelial Cell. *American Journal of Physiology - Heart and Circulatory Physiology*, 310(9), H1064-H1070. <a href="http://dx.doi.org/10.1152/ajpheart.00949.2015">[More Information]</a>

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Wong, A., Holmes, A., Ponton, F., Lihoreau, M., Wilson, K., Raubenheimer, D., Simpson, S. (2015). Behavioral Microbiomics: A Multi-Dimensional Approach to Microbial Influence on Behavior. *Frontiers in Microbiology*, 6, 1-8. <a href="http://dx.doi.org/10.3389/fmicb.2015.01359">[More Information]</a>

Lam, Y., Ha, C., Hoffmann, J., Oscarsson, J., Dinudom, A., Mather, T., Cook, D., Hunt, N., Caterson, I., Holmes, A., Storlien, L. (2015). Effects of dietary fat profile on gut permeability and microbiota and their relationships with metabolic changes in mice. *Obesity*, 23(7), 1429-1439. <a href="http://dx.doi.org/10.1002/oby.21122">[More Information]</a>

Gofton, A., Oskam, C., Lo, N., Beninati, T., Wei, G., McCarl, V., Murray, D., Papparini, A., Greay, T., Holmes, A., et al (2015). Inhibition of the endosymbiont "Candidatus Midichloria mitochondrii" during 16S rRNA gene profiling reveals potential pathogens in Ixodes ticks from Australia. *Parasites and Vectors*, 8(1), 1-11. <a href="http://dx.doi.org/10.1186/s13071-015-0958-3">[More Information]</a>

Ponton, F., Wilson, K., Holmes, A., Raubenheimer, D., Robinson, K., Simpson, S. (2015). Macronutrients mediate the functional relationship between Drosophila and Wolbachia. *Proceedings of the Royal Society B: Biological Sciences*, 282, 1-9. <a href="http://dx.doi.org/10.1098/rspb.2014.2029">[More Information]</a>

Read, M., Holmes, A., Hartill-Law, M., Solon-Biet, S., Raubenheimer, D., Simpson, S. (2015). Simulating the Influence of Diet on the Intestinal Microbiome Composition. *The 13th European Conference on Artificial Life (ECAL 2015)*, York, UK: The MIT Press.

Le Couteur, D., Tay, S., Solon-Biet, S., Bertolino, P., McMahon, A., Cogger, V., Colakoglu, F., Warren, A., Holmes, A., Pichaud, N., Raubenheimer, D., Simpson, S., et al (2015). The influence of macronutrients on splanchnic and hepatic lymphocytes in aging mice. *Journals of Gerontology. Series A: Biological Sciences and Medical Sciences*, 70(12), 1499-1507. <a href="http://dx.doi.org/10.1093/gerona/glu196">[More Information]</a>

### 2014

Coleman, N., Richardson, J., Wilson, N., Holmes, A. (2014). Insertion sequence ISPst4 activates pUC plasmid replication in Pseudomonas stutzeri. *FEMS Microbiology Letters*, 356(2), 242-249. <a href="http://dx.doi.org/10.1111/1574-6968.12417">[More Information]</a>

Ha, C., Lam, Y., Holmes, A. (2014). Mechanistic links between gut microbial community dynamics, microbial functions and metabolic health. *World Journal of Gastroenterology*, 20(44), 16498-16517. <a href="http://dx.doi.org/10.3748/wjg.v20.i44.16498">[More Information]</a>

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Chew, Y., Holmes, A., Cliff, J. (2014). Visualization of Metabolic Properties of Bacterial Cells Using Nanoscale Secondary Ion Mass Spectrometry (NanoSIMS). In Ian T. Paulsen and Andrew J. Holmes (Eds.), *Environmental Microbiology: Methods and Protocols*, (pp. 133-146). New York: Humana Press. <a href="http://dx.doi.org/10.1007/978-1-62703-712-9\_11">[More Information]</a>

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Islam, A., Labbate, M., Djordjevic, S., Alam, M., Darling, A., Melvold, J., Holmes, A., Johura, F., Cravioto, A., Charles, I., et al (2013). Indigenous Vibrio cholerae strains from a non-endemic region are pathogenic. *Open Biology*, 3(2), 1-12. <a href="http://dx.doi.org/10.1098/rsob.130001">[More Information]</a>

<http://dx.doi.org/10.1098/rsob.120181>>[More Information]</a>

Ponton, F., Wilson, K., Holmes, A., Cotter, S., Raubenheimer, D., Simpson, S. (2013). Integrating nutrition and immunology: A new frontier. *Journal of Insect Physiology*, 59(2), 130-137. <a href="http://dx.doi.org/10.1016/j.jinsphys.2012.10.011">[More Information]</a>

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## 2012

Fuller, N., Lau, N., Denyer, G., Simpson, A., Gerofi, J., Wu, M., Holmes, A., Markovic, T., Kang, J., Caterson, I. (2012). A 12-week, randomised, controlled trial to examine the acceptability of the Korean diet and its effectiveness on weight and metabolic parameters in an Australian overweight and obese population. *Obesity Research & Clinical Practice*, 6(1), e71-e83. <a href="http://dx.doi.org/10.1016/j.orcp.2011.05.003">[More Information]</a>

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## 2010

Thompson, C., Hofer, M., Campbell, I., Holmes, A. (2010). Community Dynamics in the Mouse Gut Microbiota: A Possible Role for IRF9-Regulated Genes in Community Homeostasis. *PLoS One*, 5(4), e10335-1-e10335-9. <a href="http://dx.doi.org/10.1371/journal.pone.0010335">[More Information]</a>

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C., Kjelleberg, S., Steinberg, P., Taylor, M. (2007). Comparisons of diversity of bacterial communities associated with three sessile marine eukaryotes. *Aquatic Microbial Ecology*, 48(3), 217-229. <a href="http://dx.doi.org/10.3354/ame048217">[More Information]</a>

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