ASCHER, David

Bayley, J. P., Bausch, B., Rijken, J. A., van Hulsteijn, L. T., Jansen, J. C., Ascher, D., Pires, D. E. V., Hes, F. J., Hensen, E. F., Corssmit, E. P. M., Devilee, P., & Neumann, H. P. H. (2020). **Variant type is associated with disease characteristics in SDHB, SDHC and SDHD-linked phaeochromocytoma-paraganglioma**. *Journal of Medical Genetics, 57*(2), 96-103. doi:10.1136/jmedgenet-2019-106214

Copoiu, L., Torres, P. H. M., Ascher, D. B., Blundell, T. L., & Malhotra, S. (2020). **ProCarbDB: a database of carbohydrate-binding proteins.** *Nucleic Acids Research, 48*(D1), D368-D375. doi:10.1093/nar/gkz860

Hampstead, J. E., Goldmann, J. M., Wong, W. S. W., Turner, T., Wilfert, A., Jonker, M. A., Bernier, R., Huynen, M. A., Gomez, L., Baker, R., Ascher, D., Hazrati, S., Conrads, T., Eichler, E. E., Veltman, J. A., Maxwell, G. L., & Gilissen, C. (2020). **Stochastic variation explains differences in the number of de novo mutations between families**. *European Journal of Human Genetics, 28*(SUPPL 1), 711-712. Retrieved from <Go to ISI>://WOS:000598482602339

Haque, S., Pouton, C. W., McIntosh, M. P., Ascher, D. B., Keizer, D. W., Whittaker, M. R., & Kaminskas, L. M. (2020). **The impact of size and charge on the pulmonary phatmacokinetics and immunological response of the lungs to PLGA nanoparticles after intratracheal administration to rats.** *Nanomedicine-Nanotechnology Biology and Medicine, 30*. doi:10.1016/j.nano.2020.102291

Hildebrand, J. M., Kauppi, M., Majewski, I. J., Liu, Z., Cox, A. J., Miyake, S., Petrie, E. J., Silk, M. A., Li, Z., Tanzer, M. C., Brumatti, G., Young, S. N., Hall, C., Garnish, S. E., Corbin, J., Stutz, M. D., Di Rago, L., Gangatirkar, P., Josefsson, E. C., Rigbye, K., Anderton, H., Rickard, J. A., Tripaydonis, A., Sheridan, J., Scerri, T. S., Jackson, V. E., Czabotar, P. E., Zhang, J.-G., Varghese, L., Allison, C. C., Pellegrini, M., Tannahill, G. M., Hatchell, E. C., Willson, T. A., Stockwell, D., de Graaf, C. A., Collinge, J., Hilton, A., Silke, N., Spall, S. K., Chau, D., Athanasopoulos, V., Metcalf, D., Laxer, R. M., Bassuk, A. G., Darbro, B. W., Singh, M. A. F., Vlahovich, N., Hughes, D., Kozlovskaia, M., Ascher, D. B., Warnatz, K., Venhoff, N., Thiel, J., Biben, C., Blum, S., Reveille, J., Hildebrand, M. S., Vinuesa, C. G., McCombe, P., Brown, M. A., Kile, B. T., McLean, C., Bahlo, M., Masters, S. L., Nakano, H., Ferguson, P. J., Murphy, J. M., Alexander, W. S., & Silke, J. (2020). **A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction**. *Nature Communications, 11*(1).doi:10.1038/s41467-020-16819-z

Jatana, N., Ascher, D. B., Pires, D. E. V., Gokhale, R. S., & Thukral, L. (2020). **Human LC3 and GABARAP subfamily members achieve functional specificity via specific structural modulations.** *Autophagy, 16*(2), 239-255. doi:10.1080/15548627.2019.1606636

Karmakar, M., Rodrigues, C. H. M., Horan, K., Denholm, J. T., & Ascher, D. B. (2020). **Structure guided prediction of Pyrazinamide resistance mutations in pncA**. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-58635-x

Kinneman, L., Zhu, W., Wong, W. S. W., Clemency, N., Provenzano, M., Vilboux, T., Jane't, K., Seo-Mayer, P., Levorson, R., Kou, M., Ascher, D., Niederhuber, J. E., & Hourigan, S. K. (2020). **Assessment of the Urinary Microbiome in Children Younger Than 48 Months.** *Pediatric Infectious Disease Journal, 39*(7), 565-570. doi:10.1097/inf.0000000000002622

Manthiram, K., Preite, S., Dedeoglu, F., Demir, S., Ozen, S., Edwards, K. M., Lapidus, S., Katz, A. E., Feder, H. M., Jr., Lawton, M., Licameli, G. R., Wright, P. F., Le, J., Barron, K. S., Ombrello, A. K., Barham, B., Romeo, T., Jones, A., Srinivasalu, H., Mudd, P. A., DeBiasi, R. L., Gul, A., Marshall, G. S., Jones, O. Y., Chandrasekharappa, S. C., Stepanovskiy, Y., Ferguson, P. J., Schwartzberg, P. L., Remmers, E. F., Kastner, D. L., & Genomic Ascertainment, C. (2020). **Common genetic susceptibility loci link PFAPA syndrome, Behcet's disease, and recurrent aphthous stomatitis.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(25), 14405-14411. doi:10.1073/pnas.2002051117

Myung, Y., Pires, D. E. V., & Ascher, D. B. (2020).
mmCSM-AB: guiding rational antibody engineering through multiple point mutations. *Nucleic Acids Research, 48*(W1), W125-W131. doi:10.1093/nar/gkaa389

Myung, Y., Rodrigues, C. H. M., Ascher, D. B., & Pires, D. E. V. (2020).
mCSM-AB2: guiding rational antibody design using graph-based signatures. *Bioinformatics, 36*(5), 1453-1459. doi:10.1093/bioinformatics/btz779

Pires, D. E. V., & Ascher, D. B. (2020).
mycoCSM: Using Graph-Based Signatures to Identify Safe Potent Hits against Mycobacteria. *Journal of Chemical Information and Modeling, 60*(7), 3450-3456. doi:10.1021/acs.jcim.0c00362

Pires, D. E. V., Portelli, S., Rezende, P. M., Veloso, W. N. P., Xavier, J. S., Karmakar, M., Myung, Y., Linhares, J. P. V., Rodrigues, C. H. M., Silk, M., & Ascher, D. B. (2020).
A Comprehensive Computational Platform to Guide Drug Development Using Graph-Based Signature Methods. *Methods in molecular biology (Clifton, N.J.), 2112*, 91-106. doi:10.1007/978-1-0716-0270-6_7

Pires, D. E. V., Rodrigues, C. H. M., & Ascher, D. B. (2020).
mCSM-membrane: predicting the effects of mutations on transmembrane proteins. *Nucleic Acids Research, 48*(W1), W147-W153. doi:10.1093/nar/gkaa416

Pires, D. E. V., Veloso, W. N. P., Myung, Y., Rodrigues, C. H. M., Silk, M., Rezende, P. M., Silva, F., Xavier, J. S., Velloso, J. P. L., da Silveira, C. H., & Ascher, D. B. (2020).
EasyVS: a user-friendly web-based tool for molecule library selection and structure-based virtual screening. *Bioinformatics, 36*(14), 4200-4202. doi:10.1093/bioinformatics/btaa480

Portelli, S., Myung, Y., Furnham, N., Vedithi, S. C., Pires, D. E. V., & Ascher, D. B. (2020).
Prediction of rifampicin resistance beyond the RRDR using structure-based machine learning approaches. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-74648-y

Portelli, S., Olshansky, M., Rodrigues, C. H. M., D'Souza, E. N., Myung, Y., Silk, M., Alavi, A., Pires, D. E. V., & Ascher, D. B. (2020).
Exploring the structural distribution of genetic variation in SARS-CoV-2 with the COVID-3D online resource. *Nature Genetics, 52*(10), 999-1001. doi:10.1038/s41588-020-0693-3

Potter, E. L., Rodrigues, C., Ascher, D., & Marwick, T. H. (2020). **MACHINE LEARNING APPLIED TO ENERGY WAVEFORM ECG FOR PREDICTION OF STAGE B HEART FAILURE IN THE COMMUNITY.** *Journal of the American College of Cardiology, 75*(11), 1894-1894. Retrieved from <Go to ISI>://WOS:000522979101881

Rodrigues, C. H. M., Pires, D. E. V., & Ascher, D. B. (2021).
DynaMut2: Assessing changes in stability and flexibility upon single and multiple point missense mutations. *Protein Science, 30*(1), 60-69. doi:10.1002/pro.3942

Sui, X., Pires, D. E. V., Ormsby, A. R., Cox, D., Nie, S., Vecchi, G., Vendruscolo, M., Ascher, D. B., Reid, G. E., & Hatters, D. M. (2020).
Widespread remodeling of proteome solubility in response to different protein homeostasis stresses. *Proceedings of the National Academy of Sciences of the United States of America, 117*(5), 2422-2431. doi:10.1073/pnas.1912897117

Trapero, A., Pacitto, A., Chan, D. S.-H., Abell, C., Blundell, T. L., Ascher, D. B., & Coyne, A. G. (2020).
Covalent inactivation of Mycobacterium thermoresistibile inosine-5 '-monophosphate dehydrogenase (IMPDH). *Bioorganic & Medicinal Chemistry Letters, 30*(2). doi:10.1016/j.bmcl.2019.126792

Tunstall, T., Portelli, S., Phelan, J., Clark, T. G., Ascher, D. B., & Furnham, N. (2020).
Combining structure and genomics to understand antimicrobial resistance. *Computational and Structural Biotechnology Journal, 18*, 3377-3394. doi:10.1016/j.csbj.2020.10.017

Vedithi, S. C., Malhotra, S., Skwark, M. J., Munir, A., Acebron-Garcia-De-Eulate, M., Waman, V. P., Alsulami, A., Ascher, D. B., & Blundell, T. L. (2020).
HARP: a database of structural impacts of systematic missense mutations in drug targets of Mycobacterium leprae. *Computational and Structural Biotechnology Journal, 18*, 3692-3704. doi:10.1016/j.csbj.2020.11.013

Vedithi, S. C., Rodrigues, C. H. M., Portelli, S., Skwark, M. J., Das, M., Ascher, D. B., Blundell, T. L., & Malhotra, S. (2020).
Computational saturation mutagenesis to predict structural consequences of systematic mutations in the beta subunit of RNA polymerase in Mycobacterium leprae. *Computational and Structural Biotechnology Journal, 18*, 271-286. doi:10.1016/j.csbj.2020.01.002

BAXTER, Simon

Choo, A., Fung, E., Chen, I. Y., Saint, R., Crisp, P., & Baxter, S. W. (2020).
Precise single base substitution in the shibire gene by CRISPR/Cas9-mediated homology directed repair in Bactrocera tryoni. *BMC Genet, 21*(Suppl 2), 127. doi:10.1186/s12863-020-00934-3

Liu, Z., Fu, S., Ma, X., Baxter, S. W., Vasseur, L., Xiong, L., Huang, Y., Yang, G., You, S., & You, M. (2020).

Resistance to Bacillus thuringiensis Cry1Ac toxin requires mutations in two Plutella xylostella ATP-binding cassette transporter paralogs. *PLoS Pathog, 16*(8), e1008697. doi:10.1371/journal.ppat.1008697

Nguyen, T. N. M., Mendez, V., Ward, C., Crisp, P., Papanicolaou, A., Choo, A., Taylor, P. W., & Baxter, S. W. (2020).
Disruption of duplicated yellow genes in Bactrocera tryoni modifies pigmentation colouration and impacts behaviour. *Journal of Pest Science*. doi:10.1007/s10340-020-01304-9

Perry, K. D., Keller, M. A., & Baxter, S. W. (2020).
Genome-wide analysis of diamondback moth, Plutella xylostella L., from Brassica crops and wild host plants reveals no genetic structure in Australia. *Sci Rep, 10*(1), 12047. doi:10.1038/s41598-020-68140-w

HANSSEN Eric - EM

Ambattu, L. A., Ramesan, S., Dekiwadia, C., Hanssen, E., Li, H. Y., & Yeo, L. S. Y. (2020).
High frequency acoustic cell stimulation promotes exosome generation regulated by a calcium-dependent mechanism. *Communications Biology, 3*(1). doi:10.1038/s42003-020-01277-6

Aslanoglou, S., Chen, Y. P., Oorschot, V., Trifunovic, Z., Hanssen, E., Suu, K., Voelcker, N. H., & Elnathan, R. (2020).
Efficient Transmission Electron Microscopy Characterization of Cell-Nanostructure Interfacial Interactions. *Journal of the American Chemical Society, 142*(37), 15649-15653. doi:10.1021/jacs.0c05919

Daffner, K., Hanssen, E., Norton, I., Mills, T., Ong, L., & Gras, S. L. (2020).
Imaging of dairy emulsionsviaa novel approach of transmission electron cryogenic microscopy using beam exposure. *Soft Matter, 16*(34), 7888-7892. doi:10.1039/d0sm00582g

Ivanova, E. P., Linklater, D. P., Werner, M., Baulin, V. A., Xu, X. M., Vrancken, N., Rubanov, S., Hanssen, E., Wandiyanto, J., Truong, V. K., Elbourne, A., Maclaughlin, S., Juodkazis, S., & Crawford, R. J. (2020).
The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. *Proceedings of the National Academy of Sciences of the United States of America, 117*(23), 12598-12605. doi:10.1073/pnas.1916680117

Lazzaro, F., Bouchoux, A., Raynes, J., Williams, R., Ong, L., Hanssen, E., Lechevalier, V., Pezennec, S., Cho, H. J., Logan, A., Gras, S., & Gaucheron, F. (2020).
Tailoring the structure of casein micelles through a multifactorial approach to manipulate rennet coagulation properties. *Food Hydrocolloids, 101*. doi:10.1016/j.foodhyd.2019.105414

Lin, Z. X., Zhou, J. J., Cortez-Jugo, C., Han, Y. Y., Ma, Y. T., Pan, S. J., Hanssen, E., Richardson, J. J., & Caruso, F. (2020).

Ordered Mesoporous Metal-Phenolic Network Particles. *Journal of the American Chemical Society, 142*(1), 335-341. doi:10.1021/jacs.9b10835

Linklater, D. P., Baulin, V. A., Le Guevel, X., Fleury, J. B., Hanssen, E., Nguyen, T. H. P., Juodkazis, S., Bryant, G., Crawford, R. J., Stoodley, P., & Ivanova, E. P. (2020). **Antibacterial Action of Nanoparticles by Lethal Stretching of Bacterial Cell Membranes.** *Advanced Materials, 32*(52). doi:10.1002/adma.202005679

KEIZER, David - NMR

Backler, F., Sani, M. A., Separovic, F., Vasilyev, V., & Wang, F. (2021). **NMR Chemical Shift and Methylation of 4-Nitroimidazole: Experiment and Theory.** *Australian Journal of Chemistry, 74*(1), 48-55. doi:10.1071/ch20199

Gong, H. N., Sani, M. A., Hu, X. Z., Fa, K., Hart, J. W., Liao, M. R., Hollowell, P., Carter, J., Clifton, L. A., Campana, M., Li, P. X., King, S. M., Webster, J. R. P., Maestro, A., Zhu, S. Y., Separovic, F., Waigh, T. A., Xu, H., McBain, A. J., & Lu, J. R. (2020). **How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?** *Acs Applied Materials & Interfaces, 12*(50), 55675-55687. doi:10.1021/acsami.0c17222

Karas, J. A., Keizer, D. W., & Sani, M. A. (2020). **Nuclear Magnetic Resonance Study of the Peptide FRANCESSEPAROVIC.** *Australian Journal of Chemistry, 73*(2-3), 158-163. doi:10.1071/ch19357

Le Brun, A. P., Zhu, S. Y., Sani, M. A., & Separovic, F. (2020). **The Location of the Antimicrobial Peptide Maculatin 1.1 in Model Bacterial Membranes.** *Frontiers in Chemistry, 8*. doi:10.3389/fchem.2020.00572

Sani, M. A., Le Brun, A. P., & Separovic, F. (2020). **The antimicrobial peptide maculatin self assembles in parallel to form a pore in phospholipid bilayers.** *Biochimica Et Biophysica Acta-Biomembranes, 1862*(5). doi:10.1016/j.bbamem.2020.183204

Zhu, S. Y., Overall, S. A., Hofferek, V., Separovic, F., & Sani, M. A. (2020). **Solid-State NMR Study of Live Bacteria in the Presence of Antimicrobial Agents**. *Biophysical Journal, 118*(3), 343A-344A. Retrieved from <Go to ISI>://WOS:000513023202214

Zhu, S. Y., Separovic, F., & Sani, M. A. (2020). **In-Cell Structure Determination of an Antimicrobial Peptide by DNP Solid-State NMR.** *Biophysical Journal, 118*(3), 193A-193A. Retrieved from <Go to ISI>://WOS:000513023201212

MOK, Yee-Foong - MPC

Selig, E. E., Zlatic, C. O., Cox, D., Mok, Y. F., Gooley, P. R., Ecroyd, H., & Griffin, M. D. W. (2020).
N- and C-terminal regions of ?B-crystallin and Hsp27 mediate inhibition of amyloid nucleation, fibril binding, and fibril disaggregation. *Journal of Biological Chemistry, 295*(29), 9838-9854. doi:10.1074/jbc.RA120.012748

Zhang, S. Y., Williamson, N. A., Duvick, L., Lee, A., Orr, H. T., Korlin-Downs, A., Yang, P., Mok, Y. F., Jans, D. A., & Bogoyevitch, M. A. (2020).
The ataxin-1 interactome reveals direct connection with multiple disrupted nuclear transport pathways. *Nature Communications, 11*(1). doi:10.1038/s41467-020-17145-0

TULL, Dedreia – METABOLOMICS AUSTRALIA

Chu, A. H. Y., Tint, M. T., Chang, H. F., Wong, G., Yuan, W. L., Tull, D., Nijagal, B., Narayana, V. K., Meikle, P. J., Chang, K. T. E., Lewis, R. M., Chi, C., Yap, F. K. P., Tan, K. H., Shek, L. P., Chong, Y. S., Gluckman, P. D., Lee, Y. S., Fortier, M. V., Godfrey, K. M., Eriksson, J. G., Karnani, N., & Chan, S. Y. (2021).
High placental inositol content associated with suppressed pro-adipogenic effects of maternal glycaemia in offspring: the GUSTO cohort. *International Journal of Obesity, 45*(1), 247-257. doi:10.1038/s41366-020-0596-5

Hill, R. A., Kouremenos, K., Tull, D., Maggi, A., Schroeder, A., Gibbons, A., Kulkarni, J., Sundram, S., & Du, X. (2020).
Bazedoxifene - a promising brain active SERM that crosses the blood brain barrier and enhances spatial memory. *Psychoneuroendocrinology, 121*. doi:10.1016/j.psyneuen.2020.104830

Kader, T., Porteous, C. M., Jones, G. T., Dickerhof, N., Narayana, V. K., Tull, D., Taraknath, S., & McCormick, S. P. A. (2020).
Ribose-cysteine protects against the development of atherosclerosis in apoE-deficient mice. *Plos One, 15*(2). doi:10.1371/journal.pone.0228415

Koh, C., Islam, M. N., Ye, Y. X. H., Chotiwan, N., Graham, B., Belisle, J. T., Kouremenos, K. A., Dayalan, S., Tull, D. L., Klatt, S., Perera, R., & McGraw, E. A. (2020).
Dengue virus dominates lipid metabolism modulations in Wolbachia-coinfected Aedes aegypti. *Communications Biology, 3*(1). doi:10.1038/s42003-020-01254-z

Kuba, M., Neha, N., Newton, P., Lee, Y. W., Bennett-Wood, V., Hachani, A., De Souza, D. P., Nijagal, B., Dayalan, S., Tull, D., McConville, M. J., Sansom, F. M., & Newton, H. J. (2020).
EirA Is a Novel Protein Essential for Intracellular Replication of Coxiella burnetii. *Infection and Immunity, 88*(6). doi:10.1128/iai.00913-19

Lau, K. X., Mason, E. A., Kie, J., De Souza, D. P., Kloehn, J., Tull, D., McConville, M. J., Keniry, A., Beck, T., Blewitt, M. E., Ritchie, M. E., Naik, S. H., Zalcenstein, D., Korn, O., Su, S. A., Romero, I. G., Spruce, C., Baker, C. L., McGarr, T. C., Wells, C. A., & Pera, M. F. (2020). **Unique properties of a subset of human pluripotent stem cells with high capacity for self-renewal**. *Nature Communications, 11*(1). doi:10.1038/s41467-020-16214-8

Long, S. M., Tull, D. L., De Souza, D. P., Kouremenos, K. A., Dayalan, S., McConville, M. J., Hassell, K. L., Pettigrove, V. J., & Gagnon, M. M. (2020). **Metabolomics Provide Sensitive Insights into the Impacts of Low Level Environmental Contamination on Fish Health-A Pilot Study.** *Metabolites, 10*(1). doi:10.3390/metabo10010024

Manokaran, G., Flores, H. A., Dickson, C. T., Narayana, V. K., Kanojia, K., Dayalan, S., Tull, D., McConville, M. J., Mackenzie, J. M., & Simmons, C. P. (2020). **Modulation of acyl-carnitines, the broad mechanism behind Wolbachia-mediated inhibition of medically important flaviviruses in Aedes aegypti.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(39), 24475-24483. doi:10.1073/pnas.1914814117

Walter, L., Narayana, V. K., Fry, R., Logan, A., Tull, D., & Leury, B. (2020). **Milk fat globule size development in the mammary epithelial cell: a potential role for ether phosphatidylethanolamine**. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-69036-5

WILLIAMSON, Nicholas - MSPF

Kalic, T., Kamath, S. D., Ruethers, T., Taki, A. C., Nugraha, R., Le, T. T. K., Humeniuk, P., Williamson, N. A., Hira, D., Rolland, J. M., O'Hehir, R. E., Dai, D., Campbell, D. E., Breiteneder, H., & Lopata, A. L. (2020). **Collagen-An Important Fish Allergen for Improved Diagnosis.** *Journal of Allergy and Clinical Immunology-in Practice, 8*(9). doi:10.1016/j.jaip.2020.04.063

Menkhorst, E., Zhou, W., Santos, L. L., Delforce, S., So, T., Rainczuk, K., Loke, H., Syngelaki, A., Varshney, S., Williamson, N., Pringle, K., Young, M. J., Nicolaides, K. H., St-Pierre, Y., & Dimitriadis, E. (2020). **Galectin-7 Impairs Placentation and Causes Preeclampsia Features in Mice.** *Hypertension, 76*(4), 1185-1194. doi:10.1161/hypertensionaha.120.15313

Ruethers, T., Taki, A. C., Karnaneedi, S., Nie, S., Kalic, T., Dai, D. Y., Daduang, S., Leeming, M., Williamson, N. A., Breiteneder, H., Mehr, S. S., Kamath, S. D., Campbell, D. E., & Lopata, A. L. **Expanding the allergen repertoire of salmon and catfish.** *Allergy*. doi:10.1111/all.14574

Saad, M., Ang, C., Williamson, N., Rose-John, S., & Jenkins, B. (2020). **Unravelling the Full Pathophysiological Substrate Repertoire of the ADAM17 Protease in Lung Adenocarcinoma.** *American Journal of Respiratory and Critical Care Medicine, 201*. Retrieved from <Go to ISI>://WOS:000556393502276

Schmid, C., Ignjatovic, V., Pang, B. Y., Nie, S., Williamson, N. A., Tingay, D. G., & Pereira-Fantini, P. M. (2020).

Proteomics reveals region-specific hemostatic alterations in response to mechanical ventilation in a preterm lamb model of lung injury. *Thrombosis Research, 196*, 466-475. doi:10.1016/j.thromres.2020.09.036

Wang, T., Ma, G. X., Ang, C. S., Korhonen, P. K., Stroehlein, A. J., Young, N. D., Hofmann, A., Chang, B. C. H., Williamson, N. A., & Gasser, R. B. (2020).
The developmental phosphoproteome of Haemonchus contortus. *Journal of Proteomics, 213*. doi:10.1016/j.jprot.2019.103615

Wang, T., Ma, G. X., Nie, S., Williamson, N. A., Reid, G. E., & Gasser, R. B. (2020).
Lipid composition and abundance in the reproductive and alimentary tracts of female Haemonchus contortus. *Parasites & Vectors, 13*(1). doi:10.1186/s13071-020-04208-w

Wang, T., Nie, S., Ma, G. X., Vlaminck, J., Geldhof, P., Williamson, N. A., Reid, G. E., & Gasser, R. B. (2020).
Quantitative lipidomic analysis of Ascaris suum. *Plos Neglected Tropical Diseases, 14*(12). doi:10.1371/journal.pntd.0008848

Zhang, S. Y., Williamson, N. A., Duvick, L., Lee, A., Orr, H. T., Korlin-Downs, A., Yang, P., Mok, Y. F., Jans, D. A., & Bogoyevitch, M. A. (2020).
The ataxin-1 interactome reveals direct connection with multiple disrupted nuclear transport pathways. *Nature Communications, 11*(1). doi:10.1038/s41467-020-17145-0

DAY, Karen

Narh, C. A., Ghansah, A., Duffy, M. F., Ruybal-Pesantez, S., Onwona, C. O., Oduro, A. R., Koram, K. A., Day, K. P., & Tiedje, K. E. (2020).
Evolution of Antimalarial Drug Resistance Markers in the Reservoir of Plasmodium falciparum Infections in the Upper East Region of Ghana. *Journal of Infectious Diseases, 222*(10), 1692-1701. doi:10.1093/infdis/jiaa286

Tang, J., Chisholm, S. A., Yeoh, L. M., Gilson, P. R., Papenfuss, A. T., Day, K. P., Petter, M., & Duffy, M. F. (2020).
Histone modifications associated with gene expression and genome accessibility are dynamically enriched at Plasmodium falciparum regulatory sequences. *Epigenetics & Chromatin, 13*(1). doi:10.1186/s13072-020-00365-5

DONNELLY, Paul

Cullinane, C., Jeffery, C. M., Roselt, P. D., van Dam, E. M., Jackson, S., Kuan, K., Jackson, P., Binns, D., van Zuylekom, J., Harris, M. J., Hicks, R. J., & Donnelly, P. S. (2020).

Peptide Receptor Radionuclide Therapy with Cu-67-CuSarTATE Is Highly Efficacious Against a Somatostatin-Positive Neuroendocrine Tumor Model. *Journal of Nuclear Medicine, 61*(12). doi:10.2967/jnumed.120.243543

Keinanen, O., Fung, K., Brennan, J. M., Zia, N., Harris, M., van Dam, E., Biggin, C., Hedt, A., Stoner, J., Donnelly, P. S., Lewis, J. S., & Zeglis, B. M. (2020).
H**arnessing Cu-64/Cu-67 for a theranostic approach to pretargeted radioimmunotherapy.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(45), 28316-28327. doi:10.1073/pnas.2009960117

Kelly, J. M., Ponnala, S., Amor-Coarasa, A., Zia, N. A., Nikolopoulou, A., Williams, C., Jr., Schlyer, D. J., DiMagno, S. G., Donnelly, P. S., & Babich, J. W. (2020).
Preclinical Evaluation of a High-Affinity Sarcophagine-Containing PSMA Ligand for Cu-64/Cu-67-Based Theranostics in Prostate Cancer. *Molecular Pharmaceutics, 17*(6), 1954-1962. doi:10.1021/acs.molpharmaceut.0c00060

Koay, H., Haskali, M. B., Roselt, P. D., White, J. M., & Donnelly, P. S. (2020).
Gallium Fluoride Complexes with Acyclic Bispicolinic Ligands as Potential New Fluorine-18 Labelled Imaging Agents. *European Journal of Inorganic Chemistry, 2020*(35), 3378-3386. doi:10.1002/ejic.202000547

Liapis, V., Tieu, W., Rudd, S. E., Donnelly, P. S., Wittwer, N. L., Brown, M. P., & Staudacher, A. H. (2020).
I**mproved non-invasive positron emission tomographic imaging of chemotherapy-induced tumor cell death using Zirconium-89-labeled APOMAB.** *EJNMMI radiopharmacy and chemistry, 5*(1), 27-27. doi:10.1186/s41181-020-00109-6
McInnes, L. E., Cullinane, C., Roselt, P., Jackson, S., Blyth, B., van Dam, E., Zia, N. A., Harris, M. J., Hicks, R. J., & Donnelly, P. S. (2020).
Therapeutic Efficacy of a Bivalent Inhibitor of Prostate-Specific Membrane Antigen Labeled with Copper-67. *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*. doi:10.2967/jnumed.120.251579

McKay, A. I., Altalhi, W. A. O., McInnes, L. E., Czyz, M. L., Canty, A. J., Donnelly, P. S., & O'Hair, R. A. J. (2020).
Identification of the Side Products That Diminish the Yields of the Monoamidated Product in Metal-Catalyzed C-H Amidation of 2-Phenylpyridine with Arylisocyanates. *Journal of Organic Chemistry, 85*(4), 2680-2687. doi:10.1021/acs.joc.9b02831

Noor, A., Hayne, D. J., Lim, S., Van Zuylekom, J. K., Cullinane, C., Roselt, P. D., McLean, C. A., White, J. M., & Donnelly, P. S. (2020).
Copper Bis(thiosemicarbazonato)-stilbenyl Complexes That Bind to Amyloid-beta Plaques. *Inorganic Chemistry, 59*(16), 11658-11669. doi:10.1021/acs.inorgchem.0c01520

Noor, A., Van Zuylekom, J. K., Rudd, S. E., Waldeck, K., Roselt, P. D., Haskali, M. B., Wheatcroft, M. P., Yan, E., Hicks, R. J., Cullinane, C., & Donnelly, P. S. (2020).
Bivalent Inhibitors of Prostate-Specific Membrane Antigen Conjugated to Desferrioxamine B Squaramide Labeled with Zirconium-89 or Gallium-68 for Diagnostic Imaging of Prostate Cancer. *Journal of Medicinal Chemistry, 63*(17), 9258-9270. doi:10.1021/acs.jmedchem.0c00291

Southon, A., Szostak, K., Acevedo, K. M., Dent, K. A., Volitakis, I., Belaidi, A. A., Barnham, K. J., Crouch, P. J., Ayton, S., Donnelly, P. S., & Bush, A. I. (2020).
Cu-II(atsm) inhibits ferroptosis: Implications for treatment of neurodegenerative disease. *British Journal of Pharmacology, 177*(3), 656-667. doi:10.1111/bph.14881

Wiratpruk, N., Noor, A., McLean, C. A., Donnelly, P. S., & Barnard, P. J. (2020).
Charge neutral rhenium tricarbonyl complexes of tridentate N-heterocyclic carbene ligands that bind to amyloid plaques of Alzheimer's disease. *Dalton Transactions, 49*(14), 4559-4569. doi:10.1039/c9dt04687a

Yang, Y., Canty, A. J., McKay, A. I., Donnelly, P. S., & O'Hair, R. A. J. (2020).
Palladium-Mediated CO2 Extrusion Followed by Insertion of Isocyanates for the Synthesis of Benzamides: Translating Fundamental Mechanistic Studies To Develop a Catalytic Protocol. *Organometallics, 39*(3), 453-467. doi:10.1021/acs.organomet.9b00820

DUFFY, Michael

Narh, C. A., Ghansah, A., Duffy, M. F., Ruybal-Pesantez, S., Onwona, C. O., Oduro, A. R., Koram, K. A., Day, K. P., & Tiedje, K. E. (2020).
Evolution of Antimalarial Drug Resistance Markers in the Reservoir of Plasmodium falciparum Infections in the Upper East Region of Ghana. *Journal of Infectious Diseases, 222*(10), 1692-1701. doi:10.1093/infdis/jiaa286

Tang, J., Chisholm, S. A., Yeoh, L. M., Gilson, P. R., Papenfuss, A. T., Day, K. P., Petter, M., & Duffy, M. F. (2020).

Histone modifications associated with gene expression and genome accessibility are dynamically enriched at Plasmodium falciparum regulatory sequences. *Epigenetics & Chromatin, 13*(1). doi:10.1186/s13072-020-00365-5

EDGINGTON-MITCHELL, Laura

Aaltonen, N., Singha, P. K., Jakupovic, H., Wirth, T., Samaranayake, H., Pasonen-Seppanen, S., Rilla, K., Varjosalo, M., Edgington-Mitchell, L. E., Kasperkiewicz, P., Drag, M., Kalvala, S., Moisio, E., Savinainen, J. R., & Laitinen, J. T. (2020).
High-Resolution Confocal Fluorescence Imaging of Serine Hydrolase Activity in Cryosections - Application to Glioma Brain Unveils Activity Hotspots Originating from Tumor-Associated Neutrophils. *Biological Procedures Online, 22*(1). doi:10.1186/s12575-020-00118-4

Ananthanarayanan, V., Chattopadhyay, K., Chen, L., Cheng, L., Edgington-Mitchell, L., Eswarappa, S., Hussain, T., Kambe, T., Kim, S., Lee, J.-S., Lee, M., Li, X., Lim, M. H., Lim, S. M., Lin, S., Liu, T., Mahalakshmi, R., Maji, S. K., Naganathan, A. N., Nomura, W., Passioura, T., Rao, Y., Reddy, G., Rhee, H.-W., Sekhar, A., Seo, J., Shukla, A. K., Singh, M., Song, W. J., Sun,

H., Tamura, T., Tang, C., Tsukiji, S., Yang, C.-G., Yi, C., Zou, P., & Schepartz, A. (2020). **Introducing "Future of Biochemistry 2020: The Asia-Pacific Issue".** *Biochemistry, 59*(1), 1-7. doi:10.1021/acs.biochem.9b01113

Anderson, B. M., de Almeida, L. G. N., Sekhon, H., Young, D., Dufour, A., & Edgington-Mitchell, L. E. (2020). **N-Terminomics/TAILS Profiling of Macrophages after Chemical Inhibition of Legumain**. *Biochemistry, 59*(3), 329-340. doi:10.1021/acs.biochem.9b00821

Giannangelo, C., Siddiqui, G., De Paoli, A., Anderson, B. M., Edgington-Mitchell, L. E., Charman, S. A., & Creek, D. J. (2020). **System-wide biochemical analysis reveals ozonide antimalarials initially act by disrupting Plasmodium falciparum haemoglobin digestion.** *Plos Pathogens, 16*(6). doi:10.1371/journal.ppat.1008485

Mainoli, B., Hirota, S., Edgington-Mitchell, L. E., Lu, C., & Dufour, A. (2020). **Proteomics and Imaging in Crohn's Disease: TAILS of Unlikely Allies**. *Trends in Pharmacological Sciences, 41*(2), 74-84. doi:10.1016/j.tips.2019.11.008

Mountford, S. J., Anderson, B. M., Xu, B., Tay, E. S. V., Szabo, M., My-Linh, H., Diao, J., Aurelio, L., Campden, R. I., Lindstrom, E., Sloan, E. K., Yates, R. M., Bunnett, N. W., Thompson, P. E., & Edgington-Mitchell, L. E. (2020). **Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes**. *Acs Chemical Biology, 15*(3), 718-727. doi:10.1021/acschembio.9b00961

Newton, P., Thomas, D. R., Reed, S. C. O., Lau, N., Xu, B., Ong, S. Y., Pasricha, S., Madhamshettiwar, P. B., Edgington-Mitchell, L. E., Simpson, K. J., Roy, C. R., & Newton, H. J. (2020). **Lysosomal degradation products induce Coxiella burnetii virulence.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(12), 6801-6810. doi:10.1073/pnas.1921344117

Tan, M. S. Y., Davison, D., Sanchez, M. I., Anderson, B. M., Howell, S., Snijders, A., Edgington-Mitchell, L. E., & Deu, E. (2020). **Novel broad-spectrum activity-based probes to profile malarial cysteine proteases**. *Plos One, 15*(1). doi:10.1371/journal.pone.0227341

GHOSAL, Debnath

Kaplan, M., Nicolas, W. J., Zhao, W., Carter, S. D., Metskas, L. A., Chreifi, G., Ghosal, D., & Jensen, G. J. (2021). **In Situ Imaging and Structure Determination of Biomolecular Complexes Using Electron Cryo-Tomography**. *Methods in molecular biology (Clifton, N.J.), 2215*, 83-111. doi:10.1007/978-1-0716-0966-8_4

GLEESON, Paul

Dong, X., Yang, Y., Zou, Z., Zhao, Y., Ci, B., Zhong, L., Bhave, M., Wang, L., Kuo, Y.-C., Zang, X., Zhong, R., Aguilera, E. R., Richardson, R. B., Simonetti, B., Schoggins, J. W., Pfeiffer, J. K., Yu, L., Zhang, X., Xie, Y., Schmid, S. L., Xiao, G., Gleeson, P. A., Ktistakis, N. T., Cullen, P. J., Xavier, R. J., & Levine, B. (2021).
Sorting nexin 5 mediates virus-induced autophagy and immunity. *Nature, 589*(7842), 456-+. doi:10.1038/s41586-020-03056-z

Lin, X. P., Mintern, J. D., & Gleeson, P. A. (2020). Macropinocytosis in Different Cell Types: Similarities and Differences. *Membranes, 10*(8). doi:10.3390/membranes10080177
Tan, J. Z. A., Fourriere, L., Wang, J., Perez, F., Boncompain, G., & Gleeson, P. A. (2020).
Distinct anterograde trafficking pathways of BACE1 and amyloid precursor protein from the TGN and the regulation of amyloid-beta production. *Molecular Biology of the Cell, 31*(1), 27-44. doi:10.1091/mbc.E19-09-0487

Toh, W. H., Louber, J., Mahmoud, I. S., Chia, J., Bass, G. T., Dower, S. K., Verhagen, A. M., & Gleeson, P. A. (2020).
FcRn mediates fast recycling of endocytosed albumin and IgG from early macropinosomes in primary macrophages. *Journal of Cell Science, 133*(5). doi:10.1242/jcs.235416

Wang, J., Fourriere, L., & Gleeson, P. A. (2020).
Local Secretory Trafficking Pathways in Neurons and the Role of Dendritic Golgi Outposts in Different Cell Models. *Frontiers in Molecular Neuroscience, 13*.
doi:10.3389/fnmol.2020.597391

GOOLEY, Paul

Bumbak, F., Thomas, T., Noonan-Williams, B. J., Vaid, T. M., Yan, F., Whitehead, A. R., Bruell, S., Kocan, M., Tan, X., Johnson, M. A., Bathgate, R. A. D., Chalmers, D. K., Gooley, P. R., & Scott, D. J. (2020).
Conformational Changes in Tyrosine 11 of Neurotensin Are Required to Activate the Neurotensin Receptor 1. *Acs Pharmacology & Translational Science, 3*(4), 690-705.
doi:10.1021/acsptsci.0c00026

Kirsch, K., Zeke, A., Toke, O., Sok, P., Sethi, A., Sebo, A., Kumar, G. S., Egri, P., Poti, A. L., Gooley, P., Peti, W., Bento, I., Alexa, A., & Remenyi, A. (2020).
Co-regulation of the transcription controlling ATF2 phosphoswitch by JNK and p38. *Nature Communications, 11*(1). doi:10.1038/s41467-020-19582-3

Metcalfe, R. D., Aizel, K., Zlatic, C. O., Nguyen, P. M., Morton, C. J., Lio, D. S.-S., Cheng, H.-C., Dobson, R. C. J., Parker, M. W., Gooley, P. R., Putoczki, T. L., & Griffin, M. D. W. (2020).
The structure of the extracellular domains of human interleukin 11? receptor reveals mechanisms of cytokine engagement. *Journal of Biological Chemistry, 295*(24), 8285-8301.
doi:10.1074/jbc.RA119.012351

Nagano, Y., Sugiyama, A., Kimoto, M., Wakahara, T., Noguchi, Y., Jiang, X., Saijo, S., Shimizu, N., Yabuno, N., Yao, M., Gooley, P. R., Moseley, G. W., Tadokoro, T., Maenaka, K., & Ose, T. (2020).
The Measles Virus V Protein Binding Site to STAT2 Overlaps That of IRF9. *Journal of Virology, 94*(17). doi:10.1128/jvi.01169-20

Selig, E. E., Zlatic, C. O., Cox, D., Mok, Y.-F., Gooley, P. R., Ecroyd, H., & Griffin, M. D. W. (2020).
N- and C-terminal regions of ?B-crystallin and Hsp27 mediate inhibition of amyloid nucleation, fibril binding, and fibril disaggregation. *Journal of Biological Chemistry, 295*(29), 9838-9854. doi:10.1074/jbc.RA120.012748

Sugiyama, A., Nomai, T., Jiang, X., Minami, M., Yao, M., Maenaka, K., Ito, N., Gooley, P. R., Moseley, G. W., & Ose, T. (2020).
Structural comparison of the C-terminal domain of functionally divergent lyssavirus P proteins. *Biochemical and Biophysical Research Communications, 529*(2), 507-512. doi:10.1016/j.bbrc.2020.05.195

Vaid, T. M., Chalmers, D. K., Scott, D. J., & Gooley, P. R. (2020).
INPHARMA-Based Determination of Ligand Binding Modes at alpha(1)-Adrenergic Receptors Explains the Molecular Basis of Subtype Selectivity. *Chemistry-a European Journal, 26*(51), 11796-11805. doi:10.1002/chem.202000642

Wu, F.-J., Williams, L. M., Abdul-Ridha, A., Gunatilaka, A., Vaid, T. M., Kocan, M., Whitehead, A. R., Griffin, M. D. W., Bathgate, R. A. D., Scott, D. J., & Gooley, P. R. (2020).
Probing the correlation between ligand efficacy and conformational diversity at the alpha1A-adrenoreceptor reveals allosteric coupling of its microswitches. *The Journal of biological chemistry, 295*(21), 7404-7417. doi:10.1074/jbc.RA120.012842

GRAS, Sally

Alavijeh, M. K., Meyer, A. S., Gras, S., & Kentish, S. E. (2020).
The role of cations in regulating reaction pathways driven by Bacillus circulans beta-galactosidase. *Chemical Engineering Journal, 395*. doi:10.1016/j.cej.2020.125067

Alavijeh, M. K., Meyer, A. S., Gras, S. L., & Kentish, S. E. (2020).
Improving beta-Galactosidase-Catalyzed Transglycosylation Yields by Cross-Linked Layer-by-Layer Enzyme Immobilization. *Acs Sustainable Chemistry & Engineering, 8*(43), 16205-16216. doi:10.1021/acssuschemeng.0c05186

Alavijeh, M. K., Meyer, A. S., Gras, S. L., & Kentish, S. E. (2020).
Simulation and economic assessment of large-scale enzymatic N-acetyllactosamine manufacture. *Biochemical Engineering Journal, 154*. doi:10.1016/j.bej.2019.107459

Chen, G. Q., Gras, S. L., & Kentish, S. E. (2020a).
The application of forward osmosis to dairy processing. *Separation and Purification Technology, 246*. doi:10.1016/j.seppur.2020.116900

Chen, G. Q., Gras, S. L., & Kentish, S. E. (2020b).
Eutectic freeze crystallization of saline dairy effluent. *Desalination, 480*.
doi:10.1016/j.desal.2020.114349

Daffner, K., Hanssen, E., Norton, I., Mills, T., Ong, L., & Gras, S. L. (2020).
Imaging of dairy emulsionsviaa novel approach of transmission electron cryogenic microscopy using beam exposure. *Soft Matter, 16*(34), 7888-7892.
doi:10.1039/d0sm00582g

Devnani, B., Ong, L., Kentish, S., & Gras, S. (2020).
Heat induced denaturation, aggregation and gelation of almond proteins in skim and full fat almond milk. *Food Chemistry, 325*. doi:10.1016/j.foodchem.2020.126901

Dokouhaki, M., Prime, E. L., Qiao, G. G., Kasapis, S., Day, L., & Gras, S. L. (2020).
Structural-rheological characteristics of Chaplin E peptide at the air/water interface; a comparison with beta-lactoglobulin and beta-casein. *International Journal of Biological Macromolecules, 144*, 742-750. doi:10.1016/j.ijbiomac.2019.12.075

Lazzaro, F., Bouchoux, A., Raynes, J., Williams, R., Ong, L., Hanssen, E., Lechevalier, V., Pezennec, S., Cho, H.-J., Logan, A., Gras, S., & Gaucheron, F. (2020).
Tailoring the structure of casein micelles through a multifactorial approach to manipulate rennet coagulation properties. *Food Hydrocolloids, 101*.
doi:10.1016/j.foodhyd.2019.105414

Leong, T. S. H., Ong, L., Gamlath, C. J., Gras, S. L., Ashokkumar, M., & Martin, G. J. O. (2020).
Formation of cheddar cheese analogues using canola oil and ultrasonication - A comparison between single and double emulsion systems. *International Dairy Journal, 105*.
doi:10.1016/j.idairyj.2020.104683

Li, X., Krysiak-Baltyn, K., Richards, L., Jarrold, A., Stevens, G. W., Bowser, T., Speight, R. E., & Gras, S. L. (2020).
High-Efficiency Biocatalytic Conversion of Thebaine to Codeine. *Acs Omega, 5*(16), 9339-9347. doi:10.1021/acsomega.0c00282

Ong, L., D'Incecco, P., Pellegrino, L., Nguyen, H. T. H., Kentish, S. E., & Gras, S. L. (2020).
The Effect of Salt on the Structure of Individual Fat Globules and the Microstructure of Dry Salted Cheddar Cheese. *Food Biophysics, 15*(1), 85-96. doi:10.1007/s11483-019-09606-x

Ong, L., Pax, A. P., Ong, A., Vongsvivut, J., Tobin, M. J., Kentish, S. E., & Gras, S. L. (2020).
The effect of pH on the fat and protein within cream cheese and their influence on textural and rheological properties. *Food Chemistry, 332*. doi:10.1016/j.foodchem.2020.127327

Richards, L., Jarrold, A., Bowser, T., Stevens, G. W., & Gras, S. L. (2020).
Cytochrome P450-mediated N-demethylation of noscapine by whole-cell biotransformation: process limitations and strategies for optimisation. *Journal of Industrial Microbiology & Biotechnology, 47*(6-7), 449-464. doi:10.1007/s10295-020-02283-7

Valencia-Hernandez, A. M., Ng, W. Y., Ghazanfari, N., Ghilas, S., de Menezes, M. N., Holz, L. E., Huang, C., English, K., Naung, M., Tan, P. S., Tullett, K. M., Steiner, T. M., Enders, M. H., Beattie, L., Chua, Y. C., Jones, C. M., Cozijnsen, A., Mollard, V., Cai, Y., Bowen, D. G., Purcell, A. W., La Gruta, N. L., Villadangos, J. A., de Koning-Ward, T., Barry, A. E., Barchet, W., Cockburn, I. A., McFadden, G. I., Gras, S., Lahoud, M. H., Bertolino, P., Schittenhelm, R. B., Caminschi, I., Heath, W. R., & Fernandez-Ruiz, D. (2020).
A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver T-RM Cell-Mediated Immunity against Malaria in Mice. *Cell Host & Microbe, 27*(6), 950-+. doi:10.1016/j.chom.2020.04.010

GRIFFIN, Michael

Coombes, D., Davies, J. S., Newton-Vesty, M. C., Horne, C. R., Setty, T. G., Subramanian, R., Moir, J. W. B., Friemann, R., Panjikar, S., Griffin, M. D. W., North, R. A., & Dobson, R. C. J. (2020).
The basis for non-canonical ROK family function in the N-acetylmannosamine kinase from the pathogen Staphylococcus aureus. *Journal of Biological Chemistry, 295*(10), 3301-3315. doi:10.1074/jbc.RA119.010526

Low, J. T., Christie, M., Ernst, M., Dumoutier, L., Preaudet, A., Ni, Y., Griffin, M. D. W., Mielke, L. A., Strasser, A., Putoczki, T. L., & O'Reilly, L. A. (2020).
Loss of NFKB1 Results in Expression of Tumor Necrosis Factor and Activation of Signal Transducer and Activator of Transcription 1 to Promote Gastric Tumorigenesis in Mice. *Gastroenterology, 159*(4), 1444-+. doi:10.1053/j.gastro.2020.06.039

Metcalfe, R. D., Aizel, K., Zlatic, C. O., Nguyen, P. M., Morton, C. J., Lio, D. S.-S., Cheng, H.-C., Dobson, R. C. J., Parker, M. W., Gooley, P. R., Putoczki, T. L., & Griffin, M. D. W. (2020).
The structure of the extracellular domains of human interleukin 11? receptor reveals mechanisms of cytokine engagement. *Journal of Biological Chemistry, 295*(24), 8285-8301. doi:10.1074/jbc.RA119.012351

Metcalfe, R. D., Putoczki, T. L., & Griffin, M. D. W. (2020).
Structural Understanding of Interleukin 6 Family Cytokine Signaling and Targeted Therapies: Focus on Interleukin 11. *Frontiers in Immunology, 11*. doi:10.3389/fimmu.2020.01424

Selig, E. E., Zlatic, C. O., Cox, D., Mok, Y.-F., Gooley, P. R., Ecroyd, H., & Griffin, M. D. W. (2020).
N- and C-terminal regions of ?B-crystallin and Hsp27 mediate inhibition of amyloid nucleation, fibril binding, and fibril disaggregation. *Journal of Biological Chemistry, 295*(29), 9838-9854. doi:10.1074/jbc.RA120.012748

van Duijneveldt, G., Griffin, M. D. W., & Putoczki, T. L. (2020).
Emerging roles for the IL-6 family of cytokines in pancreatic cancer. *Clinical Science, 134*(16), 2091-2115. doi:10.1042/cs20191211

Wu, F.-J., Williams, L. M., Abdul-Ridha, A., Gunatilaka, A., Vaid, T. M., Kocan, M., Whitehead, A. R., Griffin, M. D. W., Bathgate, R. A. D., Scott, D. J., & Gooley, P. R. (2020).

Probing the correlation between ligand efficacy and conformational diversity at the ?(1A)-adrenoreceptor reveals allosteric coupling of its microswitches. *Journal of Biological Chemistry, 295*(21), 7404-7417. doi:10.1074/jbc.RA120.012842

HATTERS, Danny

Cox, D., Raeburn, C., Sui, X., & Hatters, D. M. (2020).
Protein aggregation in cell biology: An aggregomics perspective of health and disease. *Seminars in Cell & Developmental Biology, 99*, 40-54. doi:10.1016/j.semedb.2018.05.003

Jose, L. H. S., Sunshine, M. J., Dillingham, C. H., Chua, B. A., Kruta, M., Hong, Y., Hatters, D. M., & Signer, R. A. J. (2020).
Modest Declines in Proteome Quality Impair Hematopoietic Stem Cell Self-Renewal. *Cell Reports, 30*(1), 69-+. doi:10.1016/j.celrep.2019.12.003

Ormsby, A. R., Cox, D., Daly, J., Priest, D., Hinde, E., & Hatters, D. M. (2020).
Nascent mutant Huntingtin exon 1 chains do not stall on ribosomes during translation but aggregates do recruit machinery involved in ribosome quality control and RNA. *Plos One, 15*(7). doi:10.1371/journal.pone.0233583

Radwan, M., Ang, C.-S., Ormsby, A. R., Cox, D., Daly, J. C., Reid, G. E., & Hatters, D. M. (2020).
Arginine in C9ORF72 Dipolypeptides Mediates Promiscuous Proteome Binding and Multiple Modes of Toxicity. *Molecular & cellular proteomics : MCP, 19*(4), 640-654. doi:10.1074/mcp.RA119.001888

Radwan, M., Lilley, J. D., Ang, C.-S., Reid, G. E., & Hatters, D. M. (2020). **Immiscible inclusion bodies formed by polyglutamine and poly(glycine-alanine) are enriched with distinct proteomes but converge in proteins that are risk factors for disease and involved in protein degradation**. *Plos One, 15*(8). doi:10.1371/journal.pone.0233247

Sui, X., Pires, D. E. V., Ormsby, A. R., Cox, D., Nie, S., Vecchi, G., Vendruscolo, M., Ascher, D. B., Reid, G. E., & Hatters, D. M. (2020).
Widespread remodeling of proteome solubility in response to different protein homeostasis stresses. *Proceedings of the National Academy of Sciences of the United States of America, 117*(5), 2422-2431. doi:10.1073/pnas.1912897117

HINDE, Elizabeth

Liang, Z., Lou, J., Scipioni, L., Gratton, E., & Hinde, E. (2020).
Q**uantifying nuclear wide chromatin compaction by phasor analysis of histone Forster resonance energy transfer (FRET) in frequency domain fluorescence lifetime imaging microscopy (FLIM) data.** *Data in Brief, 30*. doi:10.1016/j.dib.2020.105401

Lou, J., Priest, D. G., Solano, A., Kerjouan, A., & Hinde, E. (2020).
Spatiotemporal dynamics of 53BP1 dimer recruitment to a DNA double strand break. *Nature Communications, 11*(1). doi:10.1038/s41467-020-19504-3

Ormsby, A. R., Cox, D., Daly, J., Priest, D., Hinde, E., & Hatters, D. M. (2020).
N**ascent mutant Huntingtin exon 1 chains do not stall on ribosomes during translation but aggregates do recruit machinery involved in ribosome quality control and RNA**. *Plos One, 15*(7). doi:10.1371/journal.pone.0233583

Owyong, T. C., Subedi, P., Deng, J., Hinde, E., Paxman, J. J., White, J. M., Chen, W., Heras, B., Wong, W. W. H., & Hong, Y. (2020).
A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment. *Angewandte Chemie-International Edition, 59*(25), 10129-10135. doi:10.1002/anie.201914263

Zhang, S., Hinde, E., Schneider, M. P., Jans, D. A., & Bogoyevitch, M. A. (2020).
Nuclear bodies formed by polyQ-ataxin-1 protein are liquid RNA/protein droplets with tunable dynamics. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-57994-9

HOFFMANN, Ary

Ahmad, N. A., Endersby-Harshman, N. M., Mohd Mazni, N. R., Mohd Zabari, N. Z. A., Amran, S. N. S., Ridhuan Ghazali, M. K., Abdul Karim, M. A., Cheong, Y. L., Sinkins, S. P., Ahmad, N. W., & Hoffmann, A. A. (2020).
Characterization of Sodium Channel Mutations in the Dengue Vector Mosquitoes Aedesaegypti and Aedesalbopictus within the Context of Ongoing Wolbachia Releases in Kuala Lumpur, Malaysia. *Insects, 11*(8). doi:10.3390/insects11080529

Binns, M., Hoffmann, A. A., Helden, M., Heddle, T., Hill, M. P., Macfadyen, S., Nash, M. A., & Umina, P. A. (2021).
Lifecycle of the invasive omnivore, Forficula auricularia, in Australian grain growing environments. *Pest Management Science, 77*(4), 1818-1828. doi:10.1002/ps.6206

Cao, L.-J., Song, W., Yue, L., Guo, S.-K., Chen, J.-C., Gong, Y.-J., Hoffmann, A. A., & Wei, S.-J. (2021).
Chromosome-level genome of the peach fruit moth Carposina sasakii (Lepidoptera: Carposinidae) provides a resource for evolutionary studies on moths. *Molecular Ecology Resources, 21*(3), 834-848. doi:10.1111/1755-0998.13288

Chan, W. Y., Chung, J., Peplow, L. M., Hoffmann, A. A., & van Oppen, M. J. H. (2021).
Maternal effects in gene expression of interspecific coral hybrids. *Molecular Ecology, 30*(2), 517-527. doi:10.1111/mec.15727

Chen, L., Sun, J.-T., Jin, P.-Y., Hoffmann, A. A., Bing, X.-L., Zhao, D.-S., Xue, X.-F., & Hong, X.-Y. (2020).
Population genomic data in spider mites point to a role for local adaptation in shaping range shifts. *Evolutionary Applications, 13*(10), 2821-2835. doi:10.1111/eva.13086

Chen, M.-Z., Cao, L.-J., Li, B.-Y., Chen, J.-C., Gong, Y.-J., Yang, Q., Schmidt, T. L., Yue, L., Zhu, J.-Y., Li, H., Chen, X.-X., Hoffmann, A. A., & Wei, S.-J. (2021).
Migration trajectories of the diamondback moth Plutella xylostella in China inferred from population genomic variation. *Pest Management Science, 77*(4), 1683-1693. doi:10.1002/ps.6188

Duan, X.-Z., Sun, J.-T., Wang, L.-T., Shu, X.-H., Guo, Y., Keiichiro, M., Zhu, Y.-X., Bing, X.-L., Hoffmann, A. A., & Hong, X.-Y. (2020).
Recent infection by Wolbachia alters microbial communities in wild Laodelphax striatellus populations. *Microbiome, 8*(1). doi:10.1186/s40168-020-00878-x

Endersby-Harshman, N. M., Schmidt, T. L., Chung, J., van Rooyen, A., Weeks, A. R., & Hoffmann, A. A. (2020).
Heterogeneous genetic invasions of three insecticide resistance mutations in Indo-Pacific populations of Aedes aegypti (L.). *Molecular Ecology, 29*(9), 1628-1641. doi:10.1111/mec.15430

Ge, C., Hu, J., Zhao, Z., Hoffmann, A. A., Ma, S., Shen, L., Fang, J., Zhu, J., Yu, W., & Jiang, W. (2020).
Phylogeny and Density Dynamics ofWolbachiaInfection of the Health PestPaederus fuscipesCurtis (Coleoptera: Staphylinidae). *Insects, 11*(9). doi:10.3390/insects11090625

Gong, J.-T., Li, Y., Li, T.-P., Liang, Y., Hu, L., Zhang, D., Zhou, C.-Y., Yang, C., Zhang, X., Zha, S.-S., Duan, X.-Z., Baton, L. A., Hong, X.-Y., Hoffmann, A. A., & Xi, Z. (2020).
Stable Introduction of Plant-Virus-Inhibiting Wolbachia into Planthoppers for Rice Protection. *Current Biology, 30*(24), 4837-+. doi:10.1016/j.cub.2020.09.033

Gong, Q., Cao, L.-J., Sun, L.-N., Chen, J.-C., Gong, Y.-J., Pu, D.-Q., Huang, Q., Hoffmann, A. A., & Wei, S.-J. (2020).
Similar Gut Bacterial Microbiota in Two Fruit-Feeding Moth Pests Collected from Different Host Species and Locations. *Insects, 11*(12). doi:10.3390/insects11120840

Gong, Y.-J., Chen, J.-C., Guo, S.-K., Shi, P., Cao, L.-J., Li, M.-L., Hoffmann, A. A., & Wei, S.-J. (2020).
Effects of chlorantraniliprole and chromafenozide on mortality and feeding cessation of the fall webworm, Hyphantria cunea (Lepidoptera: Arctiidae). *Journal of Asia-Pacific Entomology, 23*(4), 1067-1072. doi:10.1016/j.aspen.2020.09.003

Guo, S.-K., Cao, L.-J., Song, W., Shi, P., Gao, Y.-F., Gong, Y.-J., Chen, J.-C., Hoffmann, A. A., & Wei, S.-J. (2020).
Chromosome-level assembly of the melon thrips genome yields insights into evolution of a sap-sucking lifestyle and pesticide resistance. *Molecular Ecology Resources, 20*(4), 1110-1125. doi:10.1111/1755-0998.13189

Guo, S.-K., Gong, Y.-J., Chen, J.-C., Shi, P., Cao, L.-J., Yang, Q., Hoffmann, A. A., & Wei, S.-J. (2020).
Increased density of endosymbiotic Buchnera related to pesticide resistance in yellow morph of melon aphid. *Journal of Pest Science, 93*(4), 1281-1294. doi:10.1007/s10340-020-01248-0

Hirst, M. J., Griffin, P. C., Wu, L.-H., & Hoffmann, A. A. (2020).
Testing the environmental warming responses of Brachyscome daisy species using a common garden approach. *Austral Ecology, 45*(6), 717-730. doi:10.1111/aec.12885

Hoffmann, A. (2020). **Wolbachia.** *Current Biology, 30*(19), R1113-R1114. Retrieved from <Go to ISI>://WOS:000579845200021

Hoffmann, A. A., Miller, A. D., & Weeks, A. R. (2021).
Genetic mixing for population management: From genetic rescue to provenancing. *Evolutionary Applications, 14*(3), 634-652. doi:10.1111/eva.13154

Huang, B., Yang, Q., Hoffmann, A. A., Ritchie, S. A., van den Hurk, A. F., & Warrilow, D. (2020).
Wolbachia Genome Stability and mtDNA Variants in Aedes aegypti Field Populations Eight Years after Release. *Iscience, 23*(10). doi:10.1016/j.isci.2020.101572

Jordan, R., Prober, S. M., Hoffmann, A. A., & Dillon, S. K. (2020).
Combined Analyses of Phenotype, Genotype and Climate Implicate Local Adaptation as a Driver of Diversity in Eucalyptus microcarpa(Grey Box). *Forests, 11*(5). doi:10.3390/f11050495

Ju, J.-F., Bing, X.-L., Zhao, D.-S., Guo, Y., Xi, Z., Hoffmann, A. A., Zhang, K.-J., Huang, H.-J., Gong, J.-T., Zhang, X., & Hong, X.-Y. (2020).
Wolbachia supplement biotin and riboflavin to enhance reproduction in planthoppers. *Isme Journal, 14*(3), 676-687. doi:10.1038/s41396-019-0559-9

Kellermann, V., McEvey, S. F., Sgro, C. M., & Hoffmann, A. A. (2020).
Phenotypic Plasticity for Desiccation Resistance, Climate Change, and Future Species Distributions: Will Plasticity Have Much Impact? *American Naturalist, 196*(3), 306-315. doi:10.1086/710006

Lau, M.-J., Endersby-Harshman, N. M., Axford, J. K., Ritchie, S. A., Hoffmann, A. A., & Ross, P. A. (2020).
Measuring the Host-Seeking Ability of Aedes aegypti Destined for Field Release. *American Journal of Tropical Medicine and Hygiene, 102*(1), 223-231. doi:10.4269/ajtmh.19-0510

Lau, M.-J., Ross, P. A., Endersby-Harshman, N. M., & Hoffmann, A. A. (2020).
Impacts of Low Temperatures on Wolbachia (Rickettsiales: Rickettsiaceae)-Infected Aedes aegypti (Diptera: Culicidae). *Journal of Medical Entomology, 57*(5), 1567-1574. doi:10.1093/jme/tjaa074

Li, T.-P., Zhou, C.-Y., Zha, S.-S., Gong, J.-T., Xi, Z., Hoffmann, A. A., & Hong, X.-Y. (2020).
Stable Establishment of Cardinium spp. in the Brown Planthopper Nilaparvata lugens despite Decreased Host Fitness. *Applied and Environmental Microbiology, 86*(4). doi:10.1128/aem.02509-19

Li, Y., Liu, X., Wang, N., Zhang, Y., Hoffmann, A. A., & Guo, H. (2020).

Background-dependent Wolbachia-mediated insecticide resistance in Laodelphax striatellus. *Environmental Microbiology, 22*(7), 2653-2663. doi:10.1111/1462-2920.14974

Luo, G.-H., Luo, Z.-X., Zhang, Z.-L., Sun, Y., Lu, M.-H., Shu, Z.-L., Tian, Z.-H., Hoffmann, A. A., & Fang, J.-C. (2021).
The response to flooding of two overwintering rice stem borers likely accounts for their changing impacts. *Journal of Pest Science, 94*(2), 451-461. doi:10.1007/s10340-020-01282-y

Ma, L., Cao, L.-J., Hoffmann, A. A., Gong, Y.-J., Chen, J.-C., Chen, H.-S., Wang, X.-B., Zeng, A.-P., Wei, S.-J., & Zhou, Z.-S. (2020).
Rapid and strong population genetic differentiation and genomic signatures of climatic adaptation in an invasive mealybug. *Diversity and Distributions, 26*(5), 610-622. doi:10.1111/ddi.13053

Miller, A. D., Coleman, M. A., Clark, J., Cook, R., Naga, Z., Doblin, M. A., Hoffmann, A. A., Sherman, C. D. H., & Bellgrove, A. (2020).
Local thermal adaptation and limited gene flow constrain future climate responses of a marine ecosystem engineer. *Evolutionary Applications, 13*(5), 918-934. doi:10.1111/eva.12909

Nejati, J., Zaim, M., Vatandoost, H., Moosa-Kazemi, S. H., Bueno-Mari, R., Azari-Hamidian, S., Sedaghat, M. M., Hanafi-Bojd, A. A., Yaghoobi-Ershadi, M. R., Okati-Aliabad, H., Collantes, F., & Hoffmann, A. A. (2020).
Employing Different Traps for Collection of Mosquitoes and Detection of Dengue, Chikungunya and Zika Vector, Aedes albopictus, in Borderline of Iran and Pakistan. *Journal of Arthropod-Borne Diseases, 14*(4), 376-390. Retrieved from <Go to ISI>://WOS:000611825500005

Pagendam, D. E., Trewin, B. J., Snoad, N., Ritchie, S. A., Hoffmann, A. A., Staunton, K. M., Paton, C., & Beebe, N. (2020).
Modelling the Wolbachia incompatible insect technique: strategies for effective mosquito population elimination. *Bmc Biology, 18*(1). doi:10.1186/s12915-020-00887-0

Ross, P. A., Axford, J. K., Callahan, A. G., Richardson, K. M., & Hoffmann, A. A. (2020).
Persistent deleterious effects of a deleterious Wolbachia infection. *Plos Neglected Tropical Diseases, 14*(4). doi:10.1371/journal.pntd.0008204

Ross, P. A., Axford, J. K., Yang, Q., Staunton, K. M., Ritchie, S. A., Richardson, K. M., & Hoffmann, A. A. (2020).
Heatwaves cause fluctuations in wMel Wolbachia densities and frequencies in Aedes aegypti. *Plos Neglected Tropical Diseases, 14*(1). doi:10.1371/journal.pntd.0007958

Ross, P. A., Callahan, A. G., Yang, Q., Jasper, M., Arif, M. A. K., Afizah, A. N., Nazni, W. A., & Hoffmann, A. A. (2020).
An elusive endosymbiont: Does Wolbachia occur naturally in Aedes aegypti? *Ecology and Evolution, 10*(3), 1581-1591. doi:10.1002/ece3.6012

Schmidt, T. L., Chung, J., Honnen, A.-C., Weeks, A. R., & Hoffmann, A. A. (2020).

Population genomics of two invasive mosquitoes (Aedes aegypti and Aedes albopictus) from the Indo-Pacific. *Plos Neglected Tropical Diseases, 14*(7). doi:10.1371/journal.pntd.0008463

Schmidt, T. L., Chung, J., van Rooyen, A. R., Sly, A., Weeks, A. R., & Hoffmann, A. A. (2020). **Incursion pathways of the Asiantiger mosquito (Aedes albopictus) into Australia contrast sharply with those of the yellow fever mosquito (Aedes aegypti)**. *Pest Management Science, 76*(12), 4202-4209. doi:10.1002/ps.5977

Schou, M. F., Kristensen, T. N., & Hoffmann, A. A. (2020). **Patterns of environmental variance across environments and traits in domestic cattle**. *Evolutionary Applications, 13*(5), 1090-1102. doi:10.1111/eva.12924

Shi, P., Guo, S.-K., Gao, Y.-F., Cao, L.-J., Gong, Y.-J., Chen, J.-C., Yue, L., Li, H., Hoffmann, A. A., & Wei, S.-J. (2020). **Variable resistance to spinetoram in populations of Thrips palmi across a small area unconnected to genetic similarity.** *Evolutionary Applications, 13*(9), 2234-2245. doi:10.1111/eva.12996

Terblanche, J. S., & Hoffmann, A. A. (2020). **Validating measurements of acclimation for climate change adaptation**. *Current Opinion in Insect Science, 41*, 7-16. doi:10.1016/j.cois.2020.04.005

Thia, J. A., Hoffmann, A. A., & Umina, P. A. (2021). **Empowering Australian insecticide resistance research with genetic information: the road ahead**. *Austral Entomology, 60*(1), 147-162. doi:10.1111/aen.12512

Trense, D., Schmidt, T. L., Yang, Q., Chung, J., Hoffmann, A. A., & Fischer, K. (2021). **Anthropogenic and natural barriers affect genetic connectivity in an Alpine butterfly.** *Molecular Ecology, 30*(1), 114-130. doi:10.1111/mec.15707

Wuliandari, J. R., Hoffmann, A. A., Tantowijoyo, W., & Endersby-Harshman, N. M. (2020). **Frequency of kdr mutations in the voltage-sensitive sodium channel (V-SSC) gene in Aedes aegypti from Yogyakarta and implications for Wolbachia-infected mosquito trials**. *Parasites & Vectors, 13*(1). doi:10.1186/s13071-020-04304-x

Yin, W., Xue, Q., Su, L., Feng, X., Feng, X., Zheng, Y., & Hoffmann, A. A. (2020). **Microhabitat separation between the pest aphids Rhopalosiphum padi and Sitobion avenae: food resource or microclimate selection?** *Journal of Pest Science*. doi:10.1007/s10340-020-01298-4

HOLLENBERG, Lloyd

Tsai, A., Aghajamali, A., Dontschuk, N., Johnson, B. C., Usman, M., Schenk, A. K., Sear, M., Pakes, C. I., Hollenberg, L. C. L., McCallum, J. C., Rubanov, S., Tadich, A., Marks, N. A., & Stacey, A. (2020).

Epitaxial Formation of SiC on (100) Diamond. *Acs Applied Electronic Materials, 2*(7), 2003-2009. doi:10.1021/acsaelm.0c00289

HUTTON, Craig

Haskali, M. B., Farnsworth, A. L., Roselt, P. D., & Hutton, C. A. (2020). **4-Nitrophenyl activated esters are superior synthons for indirect radiofluorination of biomolecules**. *Rsc Medicinal Chemistry, 11*(8), 919-922. doi:10.1039/d0md00140f

Karimi, F., Thombare, V. J., Hutton, C. A., O'Connor, A. J., Qiao, G. G., & Heath, D. E. (2021). **Biomaterials functionalized with nanoclusters of integrin- and syndecan-binding ligands improve cell adhesion and mechanosensing under shear flow conditions**. *Journal of Biomedical Materials Research Part A, 109*(3), 313-325. doi:10.1002/jbm.a.37024

Shabani, S., & Hutton, C. A. (2020). **Total Synthesis of Seongsanamide B**. *Organic Letters, 22*(11), 4557-4561. doi:10.1021/acs.orglett.0c01642

Shabani, S., White, J. M., & Hutton, C. A. (2020). **Total Synthesis of the Putative Structure of Asperipin-2a and Stereochemical Reassignment**. *Organic Letters, 22*(19), 7730-7734. doi:10.1021/acs.orglett.0c02884

Shang, J., Thombare, V. J., Charron, C. L., Wille, U., & Hutton, C. A. (2021). **Ring Expansion of Thiolactams via Imide Intermediates: An Amino Acid Insertion Strategy.** *Chemistry-a European Journal, 27*(5), 1620-1625. doi:10.1002/chem.202005035

JAMESON, Guy

Murase, R., Commons, C. J., Hudson, T. A., Jameson, G. N. L., Ling, C. D., Murray, K. S., Phonsri, W., Robson, R., Xia, Q., Abrahams, B. F., & D'Alessandro, D. M. (2020). **Effects of Mixed Valency in an Fe-Based Framework: Coexistence of Slow Magnetic Relaxation, Semiconductivity, and Redox Activity**. *Inorganic Chemistry, 59*(6), 3619-3630. doi:10.1021/acs.inorgchem.9b03172

van Koeverden, M. P., Abrahams, B. F., D'Alessandro, D. M., Doheny, P. W., Hua, C., Hudson, T. A., Jameson, G. N. L., Murray, K. S., Phonsri, W., Robson, R., & Sutton, A. L. (2020). **Tuning Charge-State Localization in a Semiconductive Iron(III)-Chloranilate Framework Magnet Using a Redox-Active Cation.** *Chemistry of Materials, 32*(17), 7551-7563. doi:10.1021/acs.chemmater.0c03132

JONES, David

Lee, C. J., Jradi, F. M., Mitchell, V. D., White, J., McNeill, C. R., Subbiah, J., Marder, S., & Jones, D. J. (2020). **A structural study of p-type A-D-A oligothiophenes: effects of regioregular alkyl sidechains on annealing processes and photovoltaic performances.** *Journal of Materials Chemistry C, 8*(2), 567-580. doi:10.1039/c9tc05280a

Masoomi-Godarzi, S., Hall, C. R., Zhang, B., Gregory, M. A., White, J. M., Wong, W. W. H., Ghiggino, K. P., Smith, T. A., & Jones, D. J. (2020).
Competitive Triplet Formation and Recombination in Crystalline Films of Perylenediimide Derivatives: Implications for Singlet Fission. *Journal of Physical Chemistry C, 124*(21), 11574-11585. doi:10.1021/acs.jpcc.0c01337

Neto, N. S., Jones, D. J., & Wong, W. W. H. (2020).
Theoretical Aspects of Iterative Coupling for Linear Oligomers and Polymers. *Macromolecular Theory and Simulations, 29*(2). doi:10.1002/mats.201900048

Schwarz, K. N., Geraghty, P. B., Mitchell, V. D., Khan, S.-U.-Z., Sandberg, O. J., Zarrabi, N., Kudisch, B., Subbiah, J., Smith, T. A., Rand, B. P., Armin, A., Scholes, G. D., Jones, D. J., & Ghiggino, K. P. (2020).
Reduced Recombination and Capacitor-like Charge Buildup in an Organic Heterojunction. *Journal of the American Chemical Society, 142*(5), 2562-2571. doi:10.1021/jacs.9b12526

Zarrabi, N., Sandberg, O. J., Kaiser, C., Subbiah, J., Jones, D. J., Meredith, P., & Armin, A. (2020).
Experimental Evidence Relating Charge-Transfer-State Kinetics and Strongly Reduced Bimolecular Recombination in Organic Solar Cells. *Journal of Physical Chemistry Letters, 11*(24), 10519-10525. doi:10.1021/acs.jpclett.0c02905

Zhang, B., Lyskov, I., Wilson, L. J., Sabatini, R. P., Manian, A., Soleimaninejad, H., White, J. M., Smith, T. A., Lakhwani, G., Jones, D. J., Ghiggino, K. P., Russo, S. P., & Wong, W. W. H. (2020).
FRET-enhanced photoluminescence of perylene diimides by combining molecular aggregation and insulation. *Journal of Materials Chemistry C, 8*(26), 8953-8961. doi:10.1039/d0tc02108c

MAHER, Megan

Maghool, S., La Fontaine, S., Roberts, B. R., Kwan, A. H., & Maher, M. J. (2020).
Human glutaredoxin-1 can transfer copper to isolated metal binding domains of the P-1B-type ATPase, ATP7B. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-60953-z

Maghool, S., Ryan, M. T., & Maher, M. J. (2020).
What Role Does COA6 Play in Cytochrome C Oxidase Biogenesis: A Metallochaperone or Thiol Oxidoreductase, or Both? *International Journal of Molecular Sciences, 21*(19). doi:10.3390/ijms21196983

Udagedara, S. R., La Porta, D. M., Spehar, C., Purohit, G., Hein, M. J. A., Fatmous, M. E., Garcia, G. P. C., Ganio, K., McDevitt, C. A., & Maher, M. J. (2020).
Structural and functional characterizations of the C-terminal domains of CzcD proteins. *Journal of Inorganic Biochemistry, 208*. doi:10.1016/j.jinorgbio.2020.111087

MCCONVILLE, Malcolm

Kloehn, J., Krishnan, A., Tonkin, C. J., McConville, M. J., & Soldati-Favre, D. (2020). ***Metabolic networks and metabolomics*.** Book - series:Toxoplasma Gondii: The Model Apicomplexan-Perspectives and Methods, 3rd Edition doi:10.1016/b978-0-12-815041-2.00010-4

Kuba, M., Neha, N., Newton, P., Lee, Y. W., Bennett-Wood, V., Hachani, A., De Souza, D. P., Nijagal, B., Dayalan, S., Tull, D., McConville, M. J., Sansom, F. M., & Newton, H. J. (2020). **EirA Is a Novel Protein Essential for Intracellular Replication of Coxiella burnetii.** *Infection and Immunity, 88*(6). doi:10.1128/iai.00913-19

Kusnadi, E. P., Trigos, A. S., Cullinane, C., Goode, D. L., Larsson, O., Devlin, J. R., Chan, K. T., De Souza, D. P., McConville, M. J., McArthur, G. A., Thomas, G., Sanij, E., Poortinga, G., Hannan, R. D., Hannan, K. M., Kang, J., & Pearson, R. B. (2020). R**eprogrammed mRNA translation drives resistance to therapeutic targeting of ribosome biogenesis.** *Embo Journal, 39*(21). doi:10.15252/embj.2020105111

Lau, K. X., Mason, E. A., Kie, J., De Souza, D. P., Kloehn, J., Tull, D., McConville, M. J., Keniry, A., Beck, T., Blewitt, M. E., Ritchie, M. E., Naik, S. H., Zalcenstein, D., Korn, O., Su, S., Romero, I. G., Spruce, C., Baker, C. L., McGarr, T. C., Wells, C. A., & Pera, M. F. (2020). **Unique properties of a subset of human pluripotent stem cells with high capacity for self-renewal.** *Nature Communications, 11*(1). doi:10.1038/s41467-020-16214-8

Li, J., Epa, R., Scott, N. E., Skoneczny, D., Sharma, M., Snow, A. J. D., Lingford, J. P., Goddard-Borger, E. D., Davies, G. J., McConville, M. J., & Williams, S. J. (2020). **A Sulfoglycolytic Entner-Doudoroff Pathway in Rhizobium leguminosarum bv. trifolii SRDI565**. *Applied and Environmental Microbiology, 86*(15). doi:10.1128/aem.00750-20

Long, S. M., Tull, D. L., De Souza, D. P., Kouremenos, K. A., Dayalan, S., McConville, M. J., Hassell, K. L., Pettigrove, V. J., & Gagnon, M. M. (2020). **Metabolomics Provide Sensitive Insights into the Impacts of Low Level Environmental Contamination on Fish Health-A Pilot Study**. *Metabolites, 10*(1). doi:10.3390/metabo10010024

Manokaran, G., Flores, H. A., Dickson, C. T., Narayana, V. K., Kanojia, K., Dayalan, S., Tull, D., McConville, M. J., Mackenzie, J. M., & Simmons, C. P. (2020). **Modulation of acyl-carnitines, the broad mechanism behind Wolbachia-mediated inhibition of medically important flaviviruses in Aedes aegypti.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(39), 24475-24483. doi:10.1073/pnas.1914814117

Mu, A., Carter, G. P., Li, L., Isles, N. S., Vrbanac, A. F., Morton, J. T., Jarmusch, A. K., De Souza, D. P., Narayana, V. K., Kanojia, K., Nijagal, B., McConville, M. J., Knight, R., Howden, B. P., & Stinear, T. P. (2020). **Microbe-Metabolite Associations Linked to the Rebounding Murine Gut Microbiome Postcolonization with Vancomycin-Resistant Enterococcus faecium.** *Msystems, 5*(4). doi:10.1128/mSystems.00452-20

Quinn, K. M., Hussain, T., Kraus, F., Formosa, L. E., Lam, W. K., Dagley, M. J., Saunders, E. C., Assmus, L. M., Wynne-Jones, E., Loh, L., van de Sandt, C. E., Cooper, L., Good-Jacobson, K. L.,

Kedzierska, K., Mackay, L. K., McConville, M. J., Ramm, G., Ryan, M. T., & La Gruta, N. L. (2020).
Metabolic characteristics of CD8(+) T cell subsets in young and aged individuals are not predictive of functionality (vol 11, 2857, 2020). *Nature Communications, 11*(1). doi:10.1038/s41467-020-17441-9

Rainczuk, A. K., Klatt, S., Yamaryo-Botte, Y., Brammananth, R., McConville, M. J., Coppel, R. L., & Crellin, P. K. (2020).
MtrP, a putative methyltransferase in Corynebacteria, is required for optimal membrane transport of trehalose mycolates. *Journal of Biological Chemistry, 295*(18), 6108-6119. doi:10.1074/jbc.RA119.011688

Saunders, E. C., & McConville, M. J. (2020).
Immunometabolism ofLeishmaniagranulomas. *Immunology and Cell Biology, 98*(10), 832-844. doi:10.1111/imcb.12394

Semini, G., Paape, D., Blume, M., Sernee, M. F., Peres-Alonso, D., Calvignac-Spencer, S., Doellinger, J., Jehle, S., Saunders, E., McConville, M. J., & Aebischer, T. (2020).
Leishmania Encodes a Bacterium-like 2,4-Dienoyl-Coenzyme A Reductase That Is Required for Fatty Acid beta-Oxidation and Intracellular Parasite Survival. *Mbio, 11*(3). doi:10.1128/mBio.01057-20

Shafik, S. H., Cobbold, S. A., Barkat, K., Richards, S. N., Lancaster, N. S., Llinas, M., Hogg, S. J., Summers, R. L., McConville, M. J., & Martin, R. E. (2020).
The natural function of the malaria parasite's chloroquine resistance transporter. *Nature Communications, 11*(1). doi:10.1038/s41467-020-17781-6

MINTERN, Justine

Lin, X. P., Mintern, J. D., & Gleeson, P. A. (2020).
Macropinocytosis in Different Cell Types: Similarities and Differences. *Membranes, 10*(8). doi:10.3390/membranes10080177

Liu, H., Wilson, K. R., Schriek, P., Macri, C., Blum, A. B., Francis, L., Heinlein, M., Nataraja, C., Harris, J., Jones, S. A., Gray, D. H. D., Villadangos, J. A., & Mintern, J. D. (2020).
Ubiquitination of MHC Class II Is Required for Development of Regulatory but Not Conventional CD4(+) T Cells. *Journal of Immunology, 205*(5), 1207-1216. doi:10.4049/jimmunol.1901328

McWilliam, H. E. G., Mak, J. Y. W., Awad, W., Zorkau, M., Cruz-Gomez, S., Lim, H. J., Yan, Y., Wormald, S., Dagley, L. F., Eckle, S. B. G., Corbett, A. J., Liu, H., Li, S., Reddiex, S. J. J., Mintern, J. D., Liu, L., McCluskey, J., Rossjohn, J., Fairlie, D. P., & Villadangos, J. A. (2020).
Endoplasmic reticulum chaperones stabilize ligand-receptive MR1 molecules for efficient presentation of metabolite antigens. *Proceedings of the National Academy of Sciences of the United States of America, 117*(40), 24974-24985. doi:10.1073/pnas.2011260117

Mintern, J. D., & Binger, K. J. (2020).

The amalgamation of cellular metabolism and immunology for host immunity. *Clinical & Translational Immunology, 9*(3). doi:10.1002/cti2.1123

Tullett, K. M., Tan, P. S., Park, H.-Y., Schittenhelm, R. B., Michael, N., Li, R., Policheni, A. N., Gruber, E., Huang, C., Fulcher, A. J., Danne, J. C., Czabotar, P. E., Wakim, L. M., Mintern, J. D., Ramm, G., Radford, K. J., Caminschi, I., O'Keeffe, M., Villadangos, J. A., Wright, M. D., Blewitt, M. E., Heath, W. R., Shortman, K., Purcell, A. W., Nicola, N. A., Zhang, J.-G., & Lahoud, M. H. (2020).
RNF41 regulates the damage recognition receptor Clec9A and antigen cross-presentation in mouse dendritic cells. *Elife, 9*. doi:10.7554/eLife.63452

O'HAIR, Richard

Andrikopoulos, B., Sidhu, P. K., Taggert, B. I., Nathanael, J. G., O'Hair, R. A. J., & Wille, U. (2020).
Reaction of Distonic Aryl and Alkyl Radical Cations with Amines: The Role of Charge and Spin Revealed by Mass Spectrometry, Kinetic Studies, and DFT Calculations. *Chempluschem, 85*(1), 195-206. doi:10.1002/cplu.201900706

Auth, T., Koszinowski, K., & O'Hair, R. A. J. (2020).
Dissecting Transmetalation Reactions at the Molecular Level: Phenyl Transfer in Metal Borate Complexes. *Organometallics, 39*(1), 25-33. doi:10.1021/acs.organomet.9b00521

Leeming, M. G., Isaac, A. P., Zappia, L., O'Hair, R. A. J., Donald, W. A., & Pope, B. J. (2020).
HiTIME: An efficient model-selection approach for the detection of unknown drug metabolites in LC-MS data. *Softwarex, 12*. doi:10.1016/j.softx.2020.100559

Li, S., Leeming, M. G., Chan, B., & O'Hair, R. A. J. (2020).
What are the Potential Sites of DNA Attack by N-Acetyl-p-benzoquinone Imine (NAPQI)? *Australian Journal of Chemistry, 73*(2-3), 180-188. doi:10.1071/ch19361

Ma, H. Z., McKay, A. I., Canty, A. J., & O'Hair, R. A. J. (2020).
Using electrospray ionization-tandem mass spectrometry to explore formation and gas-phase chemistry of silver nanoclusters generated from the reaction of silver salts with NaBH(4)in the presence of bis(diphenylarsino)methane. *Journal of Mass Spectrometry*. doi:10.1002/jms.4590

McKay, A. I., Altalhi, W. A. O., McInnes, L. E., Czyz, M. L., Canty, A. J., Donnelly, P. S., & O'Hair, R. A. J. (2020).
Identification of the Side Products That Diminish the Yields of the Monoamidated Product in Metal-Catalyzed C-H Amidation of 2-Phenylpyridine with Arylisocyanates. *Journal of Organic Chemistry, 85*(4), 2680-2687. doi:10.1021/acs.joc.9b02831

O'Hair, R. A. J. (2020).

ORGANOMETALLIC GAS-PHASE ION CHEMISTRY AND CATALYSIS: INSIGHTS INTO THE USE OF METAL CATALYSTS TO PROMOTE SELECTIVITY IN THE REACTIONS OF CARBOXYLIC ACIDS AND THEIR DERIVATIVES. *Mass Spectrometry Reviews*. doi:10.1002/mas.21654

Parker, K., Weragoda, G. K., Canty, A. J., Polyzos, A., Ryzhov, V., & O'Hair, R. A. J. (2020). **A Two-Step Catalytic Cycle for the Acceptorless Dehydrogenation of Ethane by Group 10 Metal Complexes: Role of the Metal in Reactivity and Selectivity.** *Organometallics, 39*(22), 4027-4036. doi:10.1021/acs.organomet.0c00598

Parker, K., Weragoda, G. K., Pho, V., Canty, A. J., Polyzos, A., O'Hair, R. A. J., & Ryzhov, V. (2020).
Gas-Phase Models for the Nickel- and Palladium-Catalyzed Deoxygenation of Fatty Acids. *Chemcatchem, 12*(21), 5476-5485. doi:10.1002/cctc.202000908

Veith, P. D., Shoji, M., O'Hair, R. A. J., Leeming, M. G., Nie, S., Glew, M. D., Reid, G. E., Nakayama, K., & Reynolds, E. C. (2020).
Type IX Secretion System Cargo Proteins Are Glycosylated at the C Terminus with a Novel Linking Sugar of the Wbp/Vim Pathway. *Mbio, 11*(5). doi:10.1128/mBio.01497-20

Yang, Y., Canty, A. J., McKay, A. I., Donnelly, P. S., & O'Hair, R. A. J. (2020).
Palladium-Mediated CO2 Extrusion Followed by Insertion of Isocyanates for the Synthesis of Benzamides: Translating Fundamental Mechanistic Studies To Develop a Catalytic Protocol. *Organometallics, 39*(3), 453-467. doi:10.1021/acs.organomet.9b00820

Yang, Y., Canty, A. J., & O'Hair, R. A. J. (2020).
Gas-phase studies of copper(I)-mediated CO(2)extrusion followed by insertion of the heterocumulenes CS(2)or phenylisocyanate. *Journal of Mass Spectrometry*. doi:10.1002/jms.4579

PARKER, Michael

Adams, J. J., Morton, C. J., & Parker, M. W. (2020).
The Crystal Structure of the Manganese Superoxide Dismutase from Geobacillus stearothermophilus: Parker and Blake (1988) Revisited. *Australian Journal of Chemistry, 73*(2-3), 145-150. doi:10.1071/ch19346

Evans, J. C., Johnstone, B. A., Lawrence, S. L., Morton, C. J., Christie, M. P., Parker, M. W., & Tweten, R. K. (2020).
A Key Motif in the Cholesterol-Dependent Cytolysins Reveals a Large Family of Related Proteins. *Mbio, 11*(5). doi:10.1128/mBio.02351-20

Fatima, A., Holien, J. K., Tiwari, C., Parker, M. W., Rodgers, R. J., & Martin, L. L. (2020).
Sequence comparisons of cytochrome P450 aromatases from Australian animals predict differences in enzymatic activity and/or efficiency. *Biology of Reproduction, 102*(6), 1261-1269. doi:10.1093/biolre/ioaa028

Langendorf, C. G., O'Brien, M. T., Ngoei, K. R. W., McAloon, L. M., Dhagat, U., Hoque, A., Ling, N. X. Y., Dite, T. A., Galic, S., Loh, K., Parker, M. W., Oakhill, J. S., Kemp, B. E., & Scott, J. W. (2020).
CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. *Journal of Biological Chemistry, 295*(48), 16239-16250. doi:10.1074/jbc.RA120.013756

Metcalfe, R. D., Aizel, K., Zlatic, C. O., Nguyen, P. M., Morton, C. J., Lio, D. S.-S., Cheng, H.-C., Dobson, R. C. J., Parker, M. W., Gooley, P. R., Putoczki, T. L., & Griffin, M. D. W. (2020).
The structure of the extracellular domains of human interleukin 11? receptor reveals mechanisms of cytokine engagement. *Journal of Biological Chemistry, 295*(24), 8285-8301. doi:10.1074/jbc.RA119.012351

Pinkosky, S. L., Scott, J. W., Desjardins, E. M., Smith, B. K., Day, E. A., Ford, R. J., Langendorf, C. G., Ling, N. X. Y., Nero, T. L., Loh, K., Galic, S., Hoque, A., Smiles, W. J., Ngoei, K. R. W., Parker, M. W., Yan, Y., Melcher, K., Kemp, B. E., Oakhill, J. S., & Steinberg, G. R. (2020).
Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK beta 1 isoforms. *Nature Metabolism, 2*(9), 873-+. doi:10.1038/s42255-020-0245-2

Stevenson, B. W., Gorman, M. A., Koach, J., Cheung, B. B., Marshall, G. M., Parker, M. W., & Holien, J. K. (2020).
A structural view of PA2G4 isoforms with opposing functions in cancer. *Journal of Biological Chemistry, 295*(47), 16100-16112. doi:10.1074/jbc.REV120.014293

Tan, W., Murphy, V. J., Charron, A., van Twest, S., Sharp, M., Constantinou, A., Parker, M. W., Crismani, W., Bythell-Douglas, R., & Deans, A. J. (2020).
Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. *Plos One, 15*(2). doi:10.1371/journal.pone.0229000

Tan, W., van Twest, S., Leis, A., Bythell-Douglas, R., Murphy, V. J., Sharp, M., Parker, M. W., Crismani, W., & Deans, A. J. (2020).
Monoubiquitination by the human Fanconi anemia core complex clamps FANCI: FANCD2 on DNA in filamentous arrays. *Elife, 9*. doi:10.7554/eLife.54128

PERRY, Trent/ BATTERHAM, Phil

Guillem-Amat, A., Urena, E., Lopez-Errasquin, E., Navarro-Llopis, V., Batterham, P., Sanchez, L., Perry, T., Hernandez-Crespo, P., & Ortego, F. (2020).
Functional characterization and fitness cost of spinosad-resistant alleles in Ceratitis capitata. *Journal of Pest Science, 93*(3), 1043-1058. doi:10.1007/s10340-020-01205-x

Prawer, Y. D. J., Stroehlein, A. J., Young, N. D., Kapoor, S., Hall, R. S., Ghazali, R., Batterham, P., Gasser, R. B., Perry, T., & Anstead, C. A. (2020).
Major SCP/TAPS protein expansion in Lucilia cuprina is associated with novel tandem array organisation and domain architecture. *Parasites & Vectors, 13*(1). doi:10.1186/s13071-020-04476-6

PIRES, Douglas

Bayley, J. P., Bausch, B., Rijken, J. A., van Hulsteijn, L. T., Jansen, J. C., Ascher, D., Pires, D. E. V., Hes, F. J., Hensen, E. F., Corssmit, E. P. M., Devilee, P., & Neumann, H. P. H. (2020). **Variant type is associated with disease characteristics in SDHB, SDHC and SDHD-linked phaeochromocytoma-paraganglioma**. *Journal of Medical Genetics, 57*(2), 96-103. doi:10.1136/jmedgenet-2019-106214

Myung, Y., Pires, D. E. V., & Ascher, D. B. (2020). **mmCSM-AB: guiding rational antibody engineering through multiple point mutations.** *Nucleic Acids Research, 48*(W1), W125-W131. doi:10.1093/nar/gkaa389

Myung, Y., Rodrigues, C. H. M., Ascher, D. B., & Pires, D. E. V. (2020). **mCSM-AB2: guiding rational antibody design using graph-based signatures.** *Bioinformatics, 36*(5), 1453-1459. doi:10.1093/bioinformatics/btz779

Pires, D. E. V., & Ascher, D. B. (2020). **mycoCSM: Using Graph-Based Signatures to Identify Safe Potent Hits against Mycobacteria.** *Journal of Chemical Information and Modeling, 60*(7), 3450-3456. doi:10.1021/acs.jcim.0c00362

Pires, D. E. V., Portelli, S., Rezende, P. M., Veloso, W. N. P., Xavier, J. S., Karmakar, M., Myung, Y., Linhares, J. P. V., Rodrigues, C. H. M., Silk, M., & Ascher, D. B. (2020). **A Comprehensive Computational Platform to Guide Drug Development Using Graph-Based Signature Methods.** *Methods in molecular biology (Clifton, N.J.), 2112*, 91-106. doi:10.1007/978-1-0716-0270-6_7

Pires, D. E. V., Rodrigues, C. H. M., & Ascher, D. B. (2020). **mCSM-membrane: predicting the effects of mutations on transmembrane proteins.** *Nucleic Acids Research, 48*(W1), W147-W153. doi:10.1093/nar/gkaa416

Pires, D. E. V., Veloso, W. N. P., Myung, Y., Rodrigues, C. H. M., Silk, M., Rezende, P. M., Silva, F., Xavier, J. S., Velloso, J. P. L., da Silveira, C. H., & Ascher, D. B. (2020). **EasyVS: a user-friendly web-based tool for molecule library selection and structure-based virtual screening**. *Bioinformatics, 36*(14), 4200-4202. doi:10.1093/bioinformatics/btaa480

Portelli, S., Myung, Y., Furnham, N., Vedithi, S. C., Pires, D. E. V., & Ascher, D. B. (2020). **Prediction of rifampicin resistance beyond the RRDR using structure-based machine learning approaches**. *Scientific Reports, 10*(1). doi:10.1038/s41598-020-74648-y

Portelli, S., Olshansky, M., Rodrigues, C. H. M., D'Souza, E. N., Myung, Y., Silk, M., Alavi, A., Pires, D. E. V., & Ascher, D. B. (2020). **Exploring the structural distribution of genetic variation in SARS-CoV-2 with the COVID-3D online resource**. *Nature Genetics, 52*(10), 999-1001. doi:10.1038/s41588-020-0693-3

Rodrigues, C. H. M., Pires, D. E. V., & Ascher, D. B. (2021). **DynaMut2: Assessing changes in stability and flexibility upon single and multiple point missense mutations**. *Protein Science, 30*(1), 60-69. doi:10.1002/pro.3942

Sui, X., Pires, D. E. V., Ormsby, A. R., Cox, D., Nie, S., Vecchi, G., Vendruscolo, M., Ascher, D. B., Reid, G. E., & Hatters, D. M. (2020).
Widespread remodeling of proteome solubility in response to different protein homeostasis stresses. *Proceedings of the National Academy of Sciences of the United States of America, 117*(5), 2422-2431. doi:10.1073/pnas.1912897117

RALPH, Stuart

Liffner, B., Frolich, S., Heinemann, G. K., Liu, B., Ralph, S. A., Dixon, M. W. A., Gilberger, T.-W., & Wilson, D. W. (2020).
PfCERLI1 is a conserved rhoptry associated protein essential for Plasmodium falciparum merozoite invasion of erythrocytes. *Nature Communications, 11*(1). doi:10.1038/s41467-020-15127-w

Xie, S. C., Ralph, S. A., & Tilley, L. (2020).
K13, the Cytostome, and Artemisinin Resistance. *Trends in Parasitology, 36*(6), 533-544. doi:10.1016/j.pt.2020.03.006

REID, Gavin

Buenger, E. W., & Reid, G. E. (2020).
Shedding light on isomeric FAHFA lipid structures using 213 nm ultraviolet photodissociation mass spectrometry. *European Journal of Mass Spectrometry, 26*(5), 311-323. doi:10.1177/1469066720960341

Cioccari, L., Luethi, N., Thy, D., Ryan, E., Cutuli, S. L., Lloyd-Donald, P., Eastwood, G. M., Peck, L., Young, H., Vaara, S. T., French, C. J., Orford, N., Dwivedi, J., Lankadeva, Y. R., Bailey, M., Reid, G. E., & Bellomo, R. (2020).
Cytokine and lipid metabolome effects of low-dose acetylsalicylic acid in critically ill patients with systemic inflammation: a pilot, feasibility, multicentre, randomised, placebo-controlled trial. *Critical Care and Resuscitation, 22*(3), 227-236. Retrieved from <Go to ISI>://WOS:000612535300009

Couttas, T. A., Rustam, Y. H., Song, H., Qi, Y., Teo, J. D., Chen, J., Reid, G. E., & Don, A. S. (2020).
A Novel Function of Sphingosine Kinase 2 in the Metabolism of Sphinga-4,14-Diene Lipids. *Metabolites, 10*(6). doi:10.3390/metabo10060236

Cowan, A. D., Smith, N. A., Sandow, J. J., Kapp, E. A., Rustam, Y. H., Murphy, J. M., Brouwer, J. M., Bernardini, J. P., Roy, M. J., Wardak, A. Z., Tan, I. K., Webb, A. I., Gulbis, J. M., Smith, B. J., Reid, G. E., Dewson, G., Colman, P. M., & Czabotar, P. E. (2020).
BAK core dimers bind lipids and can be bridged by them. *Nature Structural & Molecular Biology, 27*(11), 1024-+. doi:10.1038/s41594-020-0494-5

Fang, M., Rustam, Y., Palmieri, M., Sieber, O. M., & Reid, G. E. (2020).

Evaluation of ultraviolet photodissociation tandem mass spectrometry for the structural assignment of unsaturated fatty acid double bond positional isomers. *Analytical and Bioanalytical Chemistry, 412*(10), 2339-2351. doi:10.1007/s00216-020-02446-6

Jatooratthawichot, P., Talabnin, C., Ngiwsara, L., Rustam, Y. H., Svasti, J., Reid, G. E., & Ketudat Cairns, J. R. (2020).
Effect of Expression of Human Glucosylceramidase 2 Isoforms on Lipid Profiles in COS-7 Cells. *Metabolites, 10*(12). doi:10.3390/metabo10120488

Lee, R. G., Gao, J., Siira, S. J., Shearwood, A.-M., Ermer, J. A., Hofferek, V., Mathews, J. C., Zheng, M., Reid, G. E., Rackham, O., & Filipovska, A. (2020).
Cardiolipin is required for membrane docking of mitochondrial ribosomes and protein synthesis. *Journal of Cell Science, 133*(14). doi:10.1242/jcs.240374

Radwan, M., Ang, C.-S., Ormsby, A. R., Cox, D., Daly, J. C., Reid, G. E., & Hatters, D. M. (2020).
Arginine in C9ORF72 Dipolypeptides Mediates Promiscuous Proteome Binding and Multiple Modes of Toxicity. *Molecular & cellular proteomics : MCP, 19*(4), 640-654. doi:10.1074/mcp.RA119.001888

Radwan, M., Lilley, J. D., Ang, C.-S., Reid, G. E., & Hatters, D. M. (2020).
Immiscible inclusion bodies formed by polyglutamine and poly(glycine-alanine) are enriched with distinct proteomes but converge in proteins that are risk factors for disease and involved in protein degradation. *Plos One, 15*(8). doi:10.1371/journal.pone.0233247

Sui, X., Pires, D. E. V., Ormsby, A. R., Cox, D., Nie, S., Vecchi, G., Vendruscolo, M., Ascher, D. B., Reid, G. E., & Hatters, D. M. (2020).
Widespread remodeling of proteome solubility in response to different protein homeostasis stresses. *Proceedings of the National Academy of Sciences of the United States of America, 117*(5), 2422-2431. doi:10.1073/pnas.1912897117

Veith, P. D., Shoji, M., O'Hair, R. A. J., Leeming, M. G., Nie, S., Glew, M. D., Reid, G. E., Nakayama, K., & Reynolds, E. C. (2020).
Type IX Secretion System Cargo Proteins Are Glycosylated at the C Terminus with a Novel Linking Sugar of the Wbp/Vim Pathway. *Mbio, 11*(5). doi:10.1128/mBio.01497-20
Wang, T., Ma, G., Nie, S., Williamson, N. A., Reid, G. E., & Gasser, R. B. (2020).
Lipid composition and abundance in the reproductive and alimentary tracts of female Haemonchus contortus. *Parasites & Vectors, 13*(1). doi:10.1186/s13071-020-04208-w

Wang, T., Nie, S., Ma, G., Vlaminck, J., Geldhof, P., Williamson, N. A., Reid, G. E., & Gasser, R. B. (2020).
Quantitative lipidomic analysis of Ascaris suum. *Plos Neglected Tropical Diseases, 14*(12). doi:10.1371/journal.pntd.0008848

REYNOLDS, Eric

Fernando, J. R., Shen, P., Walker, G. D., Yuan, Y., Stanton, D. P., Reynolds, C., & Reynolds, E. C. (2020).

Effects of Bovine Serum Albumin and High pH Pre-Treatment on the Remineralisation of Enamel Subsurface Lesions in vitro. *Caries Research, 54*(1), 36-42. doi:10.1159/000502337

Gorasia, D. G., Glew, M. D., Veith, P. D., & Reynolds, E. C. (2020).
Quantitative proteomic analysis of the type IX secretion system mutants in Porphyromonas gingivalis. *Molecular Oral Microbiology, 35*(2), 78-84. doi:10.1111/omi.12283

Gorasia, D. G., Veith, P. D., & Reynolds, E. C. (2020).
The Type IX Secretion System: Advances in Structure, Function and Organisation. *Microorganisms, 8*(8). doi:10.3390/microorganisms8081173

Huang, T., Holden, J. A., Reynolds, E. C., Heath, D. E., O'Brien-Simpson, N. M., & O'Connor, A. J. (2020).
Multifunctional Antimicrobial Polypeptide-Selenium Nanoparticles Combat Drug-Resistant Bacteria. *Acs Applied Materials & Interfaces, 12*(50), 55696-55709. doi:10.1021/acsami.0c17550

Kin, L. X., Butler, C. A., Slakeski, N., Hoffmann, B., Dashper, S. G., & Reynolds, E. C. (2020).
Metabolic cooperativity between Porphyromonas gingivalis and Treponema denticola. *Journal of Oral Microbiology, 12*(1). doi:10.1080/20002297.2020.1808750

Shen, P., Fernando, J. R., Walker, G. D., Yuan, Y., Reynolds, C., & Reynolds, E. C. (2020).
Addition of CPP-ACP to yogurt inhibits enamel subsurface demineralization. *Journal of Dentistry, 103*. doi:10.1016/j.jdent.2020.103506

Shen, P., McKeever, A., Walker, G. D., Yuan, Y., Reynolds, C., Fernando, J. R., Chen, Y. Y., MacRae, C. M., Schneider, P., & Reynolds, E. C. (2020).
Remineralization and fluoride uptake of white spot lesions under dental varnishes. *Australian Dental Journal, 65*(4), 278-285. doi:10.1111/adj.12787

Shen, P., Zalizniak, I., Palamara, J. E. A., Burrow, M. F., Walker, G. D., Yuan, Y., Reynolds, C., Fernando, J. R., & Reynolds, E. C. (2020).
Recharge and increase in hardness of GIC with CPP-ACP/F. *Dental Materials, 36*(12), 1608-1614. doi:10.1016/j.dental.2020.09.022

Simpson, C. A., Adler, C., du Plessis, M. R., Landau, E. R., Dashper, S. G., Reynolds, E. C., Schwartz, O. S., & Simmons, J. G. (2020).
Oral microbiome composition, but not diversity, is associated with adolescent anxiety and depression symptoms. *Physiology & Behavior, 226*. doi:10.1016/j.physbeh.2020.113126

Veith, P. D., Gorasia, D. G., & Reynolds, E. C. (2021).
Towards defining the outer membrane proteome of Porphyromonas gingivalis. *Molecular Oral Microbiology, 36*(1), 25-36. doi:10.1111/omi.12320

Veith, P. D., Shoji, M., O'Hair, R. A. J., Leeming, M. G., Nie, S., Glew, M. D., Reid, G. E., Nakayama, K., & Reynolds, E. C. (2020).
Type IX Secretion System Cargo Proteins Are Glycosylated at the C Terminus with a Novel Linking Sugar of the Wbp/Vim Pathway. *Mbio, 11*(5). doi:10.1128/mBio.01497-20

RIZZACASA, Mark

Chen, Z., & Rizzacasa, M. A. (2020).
2019 highlights of the structural revision of natural product via total synthesis. *Frontiers of Chemical Science and Engineering*. doi:10.1007/s11705-020-1971-4

Rafaniello, A. A., & Rizzacasa, M. A. (2020).
Total Synthesis of (+)-Trachyspic Acid 19-n-Butyl Ester. *Organic Letters, 22*(5), 1972-1975. doi:10.1021/acs.orglett.0c00319

ROUILLER, Isabelle

Fabre, L., Ntreh, A. T., Yazidi, A., Leus, I. V., Weeks, J. W., Bhattacharyya, S., Ruickoldt, J., Rouiller, I., Zgurskaya, H. I., & Sygusch, J. (2021).
A "Drug Sweeping" State of the TriABC Triclosan Efflux Pump from Pseudomonas aeruginosa. *Structure (London, England : 1993), 29*(3), 261-274.e266. doi:10.1016/j.str.2020.09.001

SEPAROVIC, Frances

Abdulganiyyu, I. A., Sani, M.-A., Separovic, F., Marco, H., & Jackson, G. E. (2020).
Phote-HrTH (Phormia terraenovae Hypertrehalosaemic Hormone), the Metabolic Hormone of the Fruit Fly: Solution Structure and Receptor Binding Model. *Australian Journal of Chemistry, 73*(2-3), 202-211. doi:10.1071/ch19461

Backler, F., Sani, M. A., Separovic, F., Vasilyev, V., & Wang, F. (2021).
NMR Chemical Shift and Methylation of 4-Nitroimidazole: Experiment and Theory. *Australian Journal of Chemistry, 74*(1), 48-55. doi:10.1071/ch20199

Gong, H., Sani, M.-A., Hu, X., Fa, K., Hart, J. W., Liao, M., Hollowell, P., Carter, J., Clifton, L. A., Campana, M., Li, P., King, S. M., Webster, J. R. P., Maestro, A., Zhu, S., Separovic, F., Waigh, T. A., Xu, H., McBain, A. J., & Lu, J. R. (2020).
How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria? *Acs Applied Materials & Interfaces, 12*(50), 55675-55687. doi:10.1021/acsami.0c17222

Le Brun, A. P., Zhu, S., Sani, M.-A., & Separovic, F. (2020).
The Location of the Antimicrobial Peptide Maculatin 1.1 in Model Bacterial Membranes. *Frontiers in Chemistry, 8*. doi:10.3389/fchem.2020.00572

Meikle, T. G., Keizer, D. W., Babon, J. J., Drummond, C. J., Separovic, F., Conn, C. E., & Yao, S. (2020).
Physiochemical Characterization and Stability of Lipidic Cubic Phases by Solution NMR. *Langmuir, 36*(22), 6254-6260. doi:10.1021/acs.langmuir.0c00949

Nothling, M. D., Xiao, Z., Hill, N. S., Blyth, M. T., Bhaskaran, A., Sani, M.-A., Espinosa-Gomez, A., Ngov, K., White, J., Buscher, T., Separovic, F., O'Mara, M. L., Coote, M. L., & Connal, L. A. (2020).
A multifunctional surfactant catalyst inspired by hydrolases. *Science Advances, 6*(14). doi:10.1126/sciadv.aaz0404

Sani, M.-A., Le Brun, A. P., & Separovic, F. (2020).
The antimicrobial peptide maculatin self assembles in parallel to form a pore in phospholipid bilayers. *Biochimica Et Biophysica Acta-Biomembranes, 1862*(5). doi:10.1016/j.bbamem.2020.183204

Separovic, F. (2020).
Women in Chemistry 2020. *Australian Journal of Chemistry, 73*(10), 823-824. doi:10.1071/CHv73n10_FO

Walsworth, K., Bender, A., Separovic, F., Bergdahl, B. M., & Metzger, R. P. (2020).
The Conformations of Virginiamycin M-1 Diacetate, an Inhibitor of Guinea Pig Brain CCK-B Receptors, in Selected Solvents. *Australian Journal of Chemistry, 73*(2-3), 230-235. doi:10.1071/ch19577

Welch, N. G., Li, W., Hossain, M. A., Separovic, F., O'Brien-Simpson, N. M., & Wade, J. D. (2020).
(Re)Defining the Proline-Rich Antimicrobial Peptide Family and the Identification of Putative New Members. *Frontiers in Chemistry, 8*. doi:10.3389/fchem.2020.607769

Zhu, S., Overall, S. A., Hofferek, V., Separovic, F., & Sani, M.-A. (2020).
Solid-State NMR Study of Live Bacteria in the Presence of Antimicrobial Agents. *Biophysical Journal, 118*(3), 343A-344A. Retrieved from <Go to ISI>://WOS:000513023202214

Zhu, S., Separovic, F., & Sani, M. A. (2020).
In-Cell Structure Determination of an Antimicrobial Peptide by DNP Solid-State NMR. *Biophysical Journal, 118*(3), 193A-193A. Retrieved from <Go to ISI>://WOS:000513023201212

STOJANOVSKI, Dianna

Fielden, L. F., Scott, N. E., Palmer, C. S., Khoo, C. A., Newton, H. J., & Stojanovski, D. (2020).
Proteomic Identification of Coxiella burnetii Effector Proteins Targeted to the Host Cell Mitochondria During Infection. *Molecular & cellular proteomics : MCP, 20*, 100005-100005. doi:10.1074/mcp.RA120.002370

Formosa, L. E., Muellner-Wong, L., Reljic, B., Sharpe, A. J., Jackson, T. D., Beilharz, T. H., Stojanovski, D., Lazarou, M., Stroud, D. A., & Ryan, M. T. (2020).
Dissecting the Roles of Mitochondrial Complex I Intermediate Assembly Complex Factors in the Biogenesis of Complex I. *Cell Reports, 31*(3). doi:10.1016/j.celrep.2020.107541

Padmanabhan, B., Fielden, L. F., Hachani, A., Newton, P., Thomas, D. R., Cho, H.-J., Khoo, C. A., Stojanovski, D., Roy, C. R., Scott, N. E., & Newton, H. J. (2020).

Biogenesis of the Spacious Coxiella-Containing Vacuole Depends on Host Transcription Factors TFEB and TFE3. *Infection and Immunity, 88*(3). doi:10.1128/iai.00534-19

STROUD, David

Caruana, N. J., & Stroud, D. A. (2020).
The road to the structure of the mitochondrial respiratory chain supercomplex. *Biochemical Society Transactions, 48*, 621-629. doi:10.1042/bst20190930

Dibley, M. G., Formosa, L. E., Lyu, B., Reljic, B., McGann, D., Muellner-Wong, L., Kraus, F., Sharpe, A. J., Stroud, D. A., & Ryan, M. T. (2020).
The Mitochondrial Acyl-carrier Protein Interaction Network Highlights Important Roles for LYRM Family Members in Complex I and Mitoribosome Assembly. *Molecular & cellular proteomics : MCP, 19*(1), 65-77. doi:10.1074/mcp.RA119.001784

Formosa, L. E., Muellner-Wong, L., Reljic, B., Sharpe, A. J., Jackson, T. D., Beilharz, T. H., Stojanovski, D., Lazarou, M., Stroud, D. A., & Ryan, M. T. (2020).
Dissecting the Roles of Mitochondrial Complex I Intermediate Assembly Complex Factors in the Biogenesis of Complex I. *Cell Reports, 31*(3). doi:10.1016/j.celrep.2020.107541

Frazier, A. E., Compton, A. G., Kishita, Y., Hock, D. H., Welch, A. E., Amarasekera, S. S. C., Rius, R., Formosa, L. E., Imai-Okazaki, A., Francis, D., Wang, M., Lake, N. J., Tregoning, S., Jabbari, J. S., Lucattini, A., Nitta, R., Ohtake, A., Murayama, K., Amor, D. J., McGillivray, G., Wong, F. Y., van der Knaap, M. S., Vermeulen, R. J., Wiltshire, E. J., Fletcher, J. M., Lewis, B., Baynam, G., Ellaway, C., Balasubramaniam, S., Bhattacharya, K., Freckmann, M. L., Taft, R. J., Sadedin, S., Cowley, M. J., Minoche, A. E., Calvo, S. E., Mootha, V. K., Ryan, M. T., Okazaki, Y., Stroud, D. A., Simons, C., Christodoulou, J., & Thorburn, D. R. (2020).
Recurrent de novo ATAD3 duplications cause fatal perinatal mitochondrial cardiomyopathy, persistent hyperlactacidemia, encephalopathy and heart-specific mitochondrial oxidative phosphorylation complex I deficiency. *European Journal of Human Genetics, 28*(SUPPL 1), 56-58. Retrieved from <Go to ISI>://WOS:000598482600115

Hock, D. H., Reljic, B., Ang, C.-S., Muellner-Wong, L., Mountford, H. S., Compton, A. G., Ryan, M. T., Thorburn, D. R., & Stroud, D. A. (2020).
HIGD2A is Required for Assembly of the COX3 Module of Human Mitochondrial Complex IV. *Molecular & cellular proteomics : MCP, 19*(7), 1145-1160. doi:10.1074/mcp.RA120.002076

Hock, D. H., Robinson, D. R. L., & Stroud, D. A. (2020).
Blackout in the powerhouse: clinical phenotypes associated with defects in the assembly of OXPHOS complexes and the mitoribosome. *Biochemical Journal, 477*(21), 4085-4132. doi:10.1042/bcj20190767

Thorburn, D., Baker, N., Balasubramaniam, S., Bratkovic, D., Coman, D., Compton, A., Delatycki, M., Ellaway, C., Fahey, M., Fletcher, J., Frazier, A., Ghaoui, R., Goel, H., Hock, D., Kava, M., Lake, N., Lamont, P., Lee, J., Panetta, J., Phillips, L., Rius, R., Ryan, M., Smith, N., Stroud, D., Tchan, M., Walsh, M., Wallis, M., Welch, A., Wools, C., & Christodoulou, J. (2020).
The Australian Genomic Health Alliance Mitochondrial Flagship - A national approach to

genomic diagnostics. *European Journal of Human Genetics, 28*(SUPPL 1), 55-56. Retrieved from <Go to ISI>://WOS:000598482600113

Van Bergen, N. J., Ahmed, S. M., Collins, F., Cowley, M., Vetro, A., Dale, R. C., Hock, D. H., de Caestecker, C., Menezes, M., Massey, S., Ho, G., Pisano, T., Glover, S., Gusman, J., Stroud, D. A., Dinger, M., Guerrini, R., Macara, I. G., & Christodoulou, J. (2020).
Mutations in the exocyst component EXOC2 cause severe defects in human brain development. *Journal of Experimental Medicine, 217*(10). doi:10.1084/jem.20192040

Zhang, S., Reljic, B., Liang, C., Kerouanton, B., Francisco, J. C., Peh, J. H., Mary, C., Jagannathan, N. S., Olexiouk, V., Tang, C., Fidelito, G., Nama, S., Cheng, R.-K., Wee, C. L., Wang, L. C., Roggli, P. D., Sampath, P., Lane, L., Petretto, E., Sobota, R. M., Jesuthasan, S., Tucker-Kellogg, L., Reversade, B., Menschaert, G., Sun, L., Stroud, D. A., & Ho, L. (2020).
Mitochondrial peptide BRAWNIN is essential for vertebrate respiratory complex III assembly. *Nature Communications, 11*(1). doi:10.1038/s41467-020-14999-2

TILLEY, Leann

McHugh, E., Carmo, O. M. S., Blanch, A., Looker, O., Liu, B., Tiash, S., Andrew, D., Batinovic, S., Low, A. J. Y., Cho, H.-J., McMillan, P., Tilley, L., & Dixon, M. W. A. (2020).
Role of Plasmodium falciparum Protein GEXPO7 in Maurer's Cleft Morphology, Knob Architecture, and P. falciparum EMP1 Trafficking. *Mbio, 11*(2). doi:10.1128/mBio.03320-19

Xie, S. C., Ralph, S. A., & Tilley, L. (2020).
K13, the Cytostome, and Artemisinin Resistance. *Trends in Parasitology, 36*(6), 533-544. doi:10.1016/j.pt.2020.03.006

Van DRIEL, Ian

Gan, J., Scott, N. E., Newson, J. P. M., Wibawa, R. R., Wong Fok Lung, T., Pollock, G. L., Ng, G. Z., van Driel, I., Pearson, J. S., Hartland, E. L., & Giogha, C. (2020).
The Salmonella Effector SseK3 Targets Small Rab GTPases. *Frontiers in Cellular and Infection Microbiology, 10*. doi:10.3389/fcimb.2020.00419

VILLADANGOS, José

Frizzell, H., Fonseca, R., Christo, S. N., Evrard, M., Cruz-Gomez, S., Zanluqui, N. G., von Scheidt, B., Freestone, D., Park, S. L., McWilliam, H. E. G., Villadangos, J. A., Carbone, F. R., & Mackay, L. K. (2020).
Organ-specific isoform selection of fatty acid-binding proteins in tissue-resident lymphocytes. *Science Immunology, 5*(46). doi:10.1126/sciimmunol.aay9283

Howson, L. J., Awad, W., von Borstel, A., Lim, H. J., McWilliam, H. E. G., Sandoval-Romero, M. L., Majumdar, S., Hamzeh, A. R., Andrews, T. D., McDermott, D. H., Murphy, P. M., Le Nours,

J., Mak, J. Y. W., Liu, L., Fairlie, D. P., McCluskey, J., Villadangos, J. A., Cook, M. C., Turner, S. J., Davey, M. S., Ojaimi, S., & Rossjohn, J. (2020).
Absence of mucosal-associated invariant T cells in a person with a homozygous point mutation in MR1. *Science Immunology, 5*(49). doi:10.1126/sciimmunol.abc9492

Liu, H., Wilson, K. R., Schriek, P., Macri, C., Blum, A. B., Francis, L., Heinlein, M., Nataraja, C., Harris, J., Jones, S. A., Gray, D. H. D., Villadangos, J. A., & Mintern, J. D. (2020).
Ubiquitination of MHC Class II Is Required for Development of Regulatory but Not Conventional CD4(+) T Cells. *Journal of Immunology, 205*(5), 1207-1216. doi:10.4049/jimmunol.1901328

McSharry, B. P., Samer, C., McWilliam, H. E. G., Ashley, C. L., Yee, M. B., Steain, M., Liu, L., Fairlie, D. P., Kinchington, P. R., McCluskey, J., Abendroth, A., Villadangos, J. A., Rossjohn, J., & Slobedman, B. (2020).
Virus-Mediated Suppression of the Antigen Presentation Molecule MR1. *Cell Reports, 30*(9), 2948-+. doi:10.1016/j.celrep.2020.02.017

McWilliam, H. E. G., Mak, J. Y. W., Awad, W., Zorkau, M., Cruz-Gomez, S., Lim, H. J., Yan, Y., Wormald, S., Dagley, L. F., Eckle, S. B. G., Corbett, A. J., Liu, H., Li, S., Reddiex, S. J. J., Mintern, J. D., Liu, L., McCluskey, J., Rossjohn, J., Fairlie, D. P., & Villadangos, J. A. (2020).
Endoplasmic reticulum chaperones stabilize ligand-receptive MR1 molecules for efficient presentation of metabolite antigens. *Proceedings of the National Academy of Sciences of the United States of America, 117*(40), 24974-24985. doi:10.1073/pnas.2011260117

McWilliam, H. E. G., & Villadangos, J. A. (2020).
MR1: a multi-faceted metabolite sensor for T cell activation. *Current Opinion in Immunology, 64*, 124-129. doi:10.1016/j.coi.2020.05.006

Rigau, M., Ostrouska, S., Fulford, T. S., Johnson, D. N., Woods, K., Ruan, Z., McWilliam, H. E. G., Hudson, C., Tutuka, C., Wheatley, A. K., Kent, S. J., Villadangos, J. A., Pal, B., Kurts, C., Simmonds, J., Pelzing, M., Nash, A. D., Hammet, A., Verhagen, A. M., Vairo, G., Maraskovsky, E., Panousis, C., Gherardin, N. A., Cebon, J., Godfrey, D. I., Behren, A., & Uldrich, A. P. (2020).
Butyrophilin 2A1 is essential for phosphoantigen reactivity by gamma delta T cells. *Science, 367*(6478), 642-+. doi:10.1126/science.aay5516

Roquilly, A., Jacqueline, C., Davieau, M., Molle, A., Sadek, A., Fourgeux, C., Rooze, P., Broquet, A., Misme-Aucouturier, B., Chaumette, T., Vourc'h, M., Cinotti, R., Marec, N., Gauttier, V., McWilliam, H. E. G., Altare, F., Poschmann, J., Villadangos, J. A., & Asehnoune, K. (2020a).
Alveolar macrophages are epigenetically altered after inflammation, leading to long-term lung immunoparalysis. *Nature Immunology, 21*(6), 636-+. doi:10.1038/s41590-020-0673-x

Roquilly, A., Jacqueline, C., Davieau, M., Molle, A., Sadek, A., Fourgeux, C., Rooze, P., Broquet, A., Misme-Aucouturier, B., Chaumette, T., Vourc'h, M., Cinotti, R., Marec, N., Gauttier, V., McWilliam, H. E. G., Altare, F., Poschmann, J., Villadangos, J. A., & Asehnoune, K. (2020b).
Alveolar macrophages are epigenetically altered after inflammation, leading to long-term lung immunoparalysis (vol 21, pg 636, 2020). *Nature Immunology, 21*(8), 962-962. doi:10.1038/s41590-020-0739-9

Tullett, K. M., Tan, P. S., Park, H.-Y., Schittenhelm, R. B., Michael, N., Li, R., Policheni, A. N., Gruber, E., Huang, C., Fulcher, A. J., Danne, J. C., Czabotar, P. E., Wakim, L. M., Mintern, J. D., Ramm, G., Radford, K. J., Caminschi, I., O'Keeffe, M., Villadangos, J. A., Wright, M. D., Blewitt, M. E., Heath, W. R., Shortman, K., Purcell, A. W., Nicola, N. A., Zhang, J.-G., & Lahoud, M. H. (2020).
RNF41 regulates the damage recognition receptor Clec9A and antigen cross-presentation in mouse dendritic cells. *Elife, 9*. doi:10.7554/eLife.63452

Valencia-Hernandez, A. M., Ng, W. Y., Ghazanfari, N., Ghilas, S., de Menezes, M. N., Holz, L. E., Huang, C., English, K., Naung, M., Tan, P. S., Tullett, K. M., Steiner, T. M., Enders, M. H., Beattie, L., Chua, Y. C., Jones, C. M., Cozijnsen, A., Mollard, V., Cai, Y., Bowen, D. G., Purcell, A. W., La Gruta, N. L., Villadangos, J. A., de Koning-Ward, T., Barry, A. E., Barchet, W., Cockburn, I. A., McFadden, G. I., Gras, S., Lahoud, M. H., Bertolino, P., Schittenhelm, R. B., Caminschi, I., Heath, W. R., & Fernandez-Ruiz, D. (2020).
A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver T-RM Cell-Mediated Immunity against Malaria in Mice. *Cell Host & Microbe, 27*(6), 950-+. doi:10.1016/j.chom.2020.04.010

WHITE, Jonathan

Brydon, S. C., da Silva, G., & White, J. M. (2020).
Evidence that pi-ligand exchange reactions of chalcogen iranium ions proceed via Huckel pseudocoarctate transition states. *Journal of Physical Organic Chemistry, 33*(12). doi:10.1002/poc.4111

Fellowes, T., Harris, B. L., & White, J. M. (2020). Experimental evidence of chalcogen bonding at oxygen. *Chemical Communications, 56*(22), 3313-3316. doi:10.1039/c9cc09896h
Koay, H., Haskali, M. B., Roselt, P. D., White, J. M., & Donnelly, P. S. (2020).
Gallium Fluoride Complexes with Acyclic Bispicolinic Ligands as Potential New Fluorine-18 Labelled Imaging Agents. *European Journal of Inorganic Chemistry, 2020*(35), 3378-3386. doi:10.1002/ejic.202000547

Lange, J. L., Davey, P. R. W. J., Ma, M. T., White, J. M., Morgenstern, A., Bruchertseifer, F., Blower, P. J., & Paterson, B. M. (2020).
An octadentate bis(semicarbazone) macrocycle: a potential chelator for lead and bismuth radiopharmaceuticals. *Dalton Transactions, 49*(42), 14962-14974. doi:10.1039/d0dt02673e

Lum, K. Y., Taki, A. C., Gasser, R. B., Tietjen, I., Ekins, M. G., White, J. M., Addison, R. S., Hayes, S., St John, J., & Davis, R. A. (2020).
Comatulins A-E, Taurine-Conjugated Anthraquinones from the Australian Crinoid Comatula rotalaria. *Journal of Natural Products, 83*(6), 1971-1979. doi:10.1021/acs.jnatprod.0c00267

Masoomi-Godarzi, S., Hall, C. R., Zhang, B., Gregory, M. A., White, J. M., Wong, W. W. H., Ghiggino, K. P., Smith, T. A., & Jones, D. J. (2020).
Competitive Triplet Formation and Recombination in Crystalline Films of Perylenediimide Derivatives: Implications for Singlet Fission. *Journal of Physical Chemistry C, 124*(21), 11574-11585. doi:10.1021/acs.jpcc.0c01337

Nathanael, J. G., White, J. M., Richter, A., Nuske, M. R., & Wille, U. (2020). **Oxidative damage of proline residues by nitrate radicals (NO3): a kinetic and product study.** *Organic & Biomolecular Chemistry, 18*(35), 6949-6957. doi:10.1039/d0ob01337d

Noor, A., Hayne, D. J., Lim, S., Van Zuylekom, J. K., Cullinane, C., Roselt, P. D., McLean, C. A., White, J. M., & Donnelly, P. S. (2020). **Copper Bis(thiosemicarbazonato)-stilbenyl Complexes That Bind to Amyloid-beta Plaques.** *Inorganic Chemistry, 59*(16), 11658-11669. doi:10.1021/acs.inorgchem.0c01520

OwYong, T. C., Ding, S., Wu, N., Fellowes, T., Chen, S., White, J. M., Wong, W. W. H., & Hong, Y. (2020). **Optimising molecular rotors to AIE fluorophores for mitochondria uptake and retention.** *Chemical Communications, 56*(94), 14853-14856. doi:10.1039/d0cc06411d

Owyong, T. C., Subedi, P., Deng, J., Hinde, E., Paxman, J. J., White, J. M., Chen, W., Heras, B., Wong, W. W. H., & Hong, Y. (2020). **A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment**. *Angewandte Chemie-International Edition, 59*(25), 10129-10135. doi:10.1002/anie.201914263

Shabani, S., White, J. M., & Hutton, C. A. (2020). **Total Synthesis of the Putative Structure of Asperipin-2a and Stereochemical Reassignment.** *Organic Letters, 22*(19), 7730-7734. doi:10.1021/acs.orglett.0c02884

Ward, J. P., Lim, P. J., Evans, D. J., White, J. M., & Young, C. G. (2020). **Tungsten Ligand-Based Sulfur-Atom-Transfer Catalysts: Synthesis, Characterization, Sustained Anaerobic Catalysis, and Mode of Aerial Deactivation.** *Inorganic Chemistry, 59*(23), 16824-16828. doi:10.1021/acs.inorgchem.0c02915

Zhang, B., Lyskov, I., Wilson, L. J., Sabatini, R. P., Manian, A., Soleimaninejad, H., White, J. M., Smith, T. A., Lakhwani, G., Jones, D. J., Ghiggino, K. P., Russo, S. P., & Wong, W. W. H. (2020). **FRET-enhanced photoluminescence of perylene diimides by combining molecular aggregation and insulation**. *Journal of Materials Chemistry C, 8*(26), 8953-8961. doi:10.1039/d0tc02108c

Zhang, Y., Mui, J. W. Y., Arumaperuma, T., Lingford, J. P., Goddard-Borger, E. D., White, J. M., & Williams, S. J. (2020). **Concise synthesis of sulfoquinovose and sulfoquinovosyl diacylglycerides, and development of a fluorogenic substrate for sulfoquinovosidases**. *Organic & Biomolecular Chemistry, 18*(4), 675-686. doi:10.1039/c9ob02540e

WILLE, Uta

Andrikopoulos, B., Sidhu, P. K., Taggert, B. I., Nathanael, J. G., O'Hair, R. A. J., & Wille, U. (2020).

Reaction of Distonic Aryl and Alkyl Radical Cations with Amines: The Role of Charge and Spin Revealed by Mass Spectrometry, Kinetic Studies, and DFT Calculations. *Chempluschem, 85*(1), 195-206. doi:10.1002/cplu.201900706

Nathanael, J. G., White, J. M., Richter, A., Nuske, M. R., & Wille, U. (2020). **Oxidative damage of proline residues by nitrate radicals (NO3): a kinetic and product study.** *Organic & Biomolecular Chemistry, 18*(35), 6949-6957. doi:10.1039/d0ob01337d

Shang, J., Thombare, V. J., Charron, C. L., Wille, U., & Hutton, C. A. (2021). **Ring Expansion of Thiolactams via Imide Intermediates: An Amino Acid Insertion Strategy.** *Chemistry-a European Journal, 27*(5), 1620-1625. doi:10.1002/chem.202005035

So, S., Kirk, B. B., Wille, U., Trevitt, A. J., Blanksby, S. J., & da Silva, G. (2020). **Reactions of a distonic peroxyl radical anion influenced by SOMO-HOMO conversion: an example of anion-directed channel switching**. *Physical Chemistry Chemical Physics, 22*(4), 2130-2141. doi:10.1039/c9cp05989j

WILLIAMS, Spencer

Burugupalli, S., Almeida, C. F., Smith, D. G. M., Shah, S., Patel, O., Rossjohn, J., Uldrich, A. P., Godfrey, D. I., & Williams, S. J. (2020). **alpha-Glucuronosyl and alpha-glucosyl diacylglycerides, natural killer T cell-activating lipids from bacteria and fungi.** *Chemical Science, 11*(8), 2161-2168. doi:10.1039/c9sc05248h

Li, J., Epa, R., Scott, N. E., Skoneczny, D., Sharma, M., Snow, A. J. D., Lingford, J. P., Goddard-Borger, E. D., Davies, G. J., McConville, M. J., & Williams, S. J. (2020). **A Sulfoglycolytic Entner-Doudoroff Pathway in Rhizobium leguminosarum bv. trifolii SRDI565**. *Applied and Environmental Microbiology, 86*(15). doi:10.1128/aem.00750-20

Nguyen, T., Hosono, Y., Shimizu, T., Yamasaki, S., & Williams, S. J. (2020). **Candida albicans steryl 6-O-acyl-alpha-d-mannosides agonize signalling through Mincle.** *Chemical Communications, 56*(95), 15060-15063. doi:10.1039/d0cc06263d

Rovira, C., Males, A., Davies, G. J., & Williams, S. J. (2020). **Mannosidase mechanism: at the intersection of conformation and catalysis**. *Current Opinion in Structural Biology, 62*, 79-92. doi:10.1016/j.sbi.2019.11.008

Sharma, M., Abayakoon, P., Lingford, J. P., Epa, R., John, A., Jin, Y., Goddard-Borger, E. D., Davies, G. J., & Williams, S. J. (2020). **Dynamic Structural Changes Accompany the Production of Dihydroxypropanesulfonate by Sulfolactaldehyde Reductase**. *Acs Catalysis, 10*(4), 2826-2836. doi:10.1021/acscatal.9b04427

Smith, D. G. M., Hosono, Y., Nagata, M., Yamasaki, S., & Williams, S. J. (2020). **Design of potent Mincle signalling agonists based on an alkyl beta-glucoside template.** *Chemical Communications, 56*(31), 4292-4295. doi:10.1039/d0cc00670j

Smith, D. G. M., Ito, E., Yamasaki, S., & Williams, S. J. (2020).

Cholesteryl 6-O-acyl-alpha-glucosides from diverseHelicobacterspp. signal through the C-type lectin receptor Mincle. *Organic & Biomolecular Chemistry, 18*(39), 7907-7915. doi:10.1039/d0ob01776k

Sobala, L. F., Fernandes, P. Z., Hakki, Z., Thompson, A. J., Howe, J. D., Hill, M., Zitzmann, N., Davies, S., Stamataki, Z., Butters, T. D., Alonzi, D. S., Williams, S. J., & Davies, G. J. (2020). **Structure of human endo-alpha-1,2-mannosidase (MANEA), an antiviral host-glycosylation target.** *Proceedings of the National Academy of Sciences of the United States of America, 117*(47), 29595-29601. doi:10.1073/pnas.2013620117

Sobala, L. F., Speciale, G., Zhu, S., Raich, L., Sannikova, N., Thompson, A. J., Hakki, Z., Lu, D., Abadi, S. S. K., Lewis, A. R., Rojas-Cervellera, V., Bernardo-Seisdedos, G., Zhang, Y., Millet, O., Jimenez-Barbero, J., Bennet, A. J., Sollogoub, M., Rovira, C., Davies, G. J., & Williams, S. J. (2020).
An Epoxide Intermediate in Glycosidase Catalysis. *Acs Central Science, 6*(5), 760-770. doi:10.1021/acscentsci.0c00111

Williams, S. J., & Goddard-Borger, E. D. (2020).
alpha-glucosidase inhibitors as host-directed antiviral agents with potential for the treatment of COVID-19. *Biochemical Society Transactions, 48*(3), 1287-1295. doi:10.1042/bst20200505

Zhang, Y., Mui, J. W. Y., Arumaperuma, T., Lingford, J. P., Goddard-Borger, E. D., White, J. M., & Williams, S. J. (2020).
Concise synthesis of sulfoquinovose and sulfoquinovosyl diacylglycerides, and development of a fluorogenic substrate for sulfoquinovosidases. *Organic & Biomolecular Chemistry, 18*(4), 675-686. doi:10.1039/c9ob02540e

WONG, Wallace

Gao, C., Zhang, B., Hall, C. R., Li, L., Chen, Y., Zeng, Y., Smith, T. A., & Wong, W. W. H. (2020).
Triplet fusion upconversion using sterically protected 9,10-diphenylanthracene as the emitter. *Physical Chemistry Chemical Physics, 22*(11), 6300-6307. doi:10.1039/c9cp06311k

Gu, H., Yan, L., Saxena, S., Shi, X., Zhang, X., Li, Z., Luo, Q., Zhou, H., Yang, Y., Liu, X., Wong, W. W. H., & Ma, C.-Q. (2020).
Revealing the Interfacial Photoreduction of MoO3 with P3HT from the Molecular Weight-Dependent "Burn-In" Degradation of P3HT:PC61BM Solar Cells. *Acs Applied Energy Materials, 3*(10), 9714-9723. doi:10.1021/acsaem.0c01325

Masoomi-Godarzi, S., Hall, C. R., Zhang, B., Gregory, M. A., White, J. M., Wong, W. W. H., Ghiggino, K. P., Smith, T. A., & Jones, D. J. (2020).
Competitive Triplet Formation and Recombination in Crystalline Films of Perylenediimide Derivatives: Implications for Singlet Fission. *Journal of Physical Chemistry C, 124*(21), 11574-11585. doi:10.1021/acs.jpcc.0c01337

Neto, N. S., Jones, D. J., & Wong, W. W. H. (2020).

Theoretical Aspects of Iterative Coupling for Linear Oligomers and Polymers. *Macromolecular Theory and Simulations, 29*(2). doi:10.1002/mats.201900048

O'Shea, R., & Wong, W. W. H. (2020). **Simple improvements to Gilch synthesis and molecular weight modulation of MEH-PPV.** *Polymer Chemistry, 11*(16), 2831-2837. doi:10.1039/d0py00072h

OwYong, T. C., Ding, S., Wu, N., Fellowes, T., Chen, S., White, J. M., Wong, W. W. H., & Hong, Y. (2020). **Optimising molecular rotors to AIE fluorophores for mitochondria uptake and retention.** *Chemical Communications, 56*(94), 14853-14856. doi:10.1039/d0cc06411d

Owyong, T. C., Subedi, P., Deng, J., Hinde, E., Paxman, J. J., White, J. M., Chen, W., Heras, B., Wong, W. W. H., & Hong, Y. (2020). **A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment**. *Angewandte Chemie-International Edition, 59*(25), 10129-10135. doi:10.1002/anie.201914263

Qin, Z., Gao, C., Wong, W. W. H., Riede, M. K., Wang, T., Dong, H., Zhen, Y., & Hu, W. (2020). **Molecular doped organic semiconductor crystals for optoelectronic device applications.** *Journal of Materials Chemistry C, 8*(43), 14996-15008. doi:10.1039/d0tc02746d

Sabatini, R. P., Maasoumi, F., Prasad, S. K. K., Zhang, B., Clark, C., Schmidt, T. W., Wong, W. W. H., & Lakhwani, G. (2020). **Organic polariton lasing with molecularly isolated perylene diimides.** *Applied Physics Letters, 117*(4). doi:10.1063/5.0012461

Zhang, B., Lyskov, I., Wilson, L. J., Sabatini, R. P., Manian, A., Soleimaninejad, H., White, J. M., Smith, T. A., Lakhwani, G., Jones, D. J., Ghiggino, K. P., Russo, S. P., & Wong, W. W. H. (2020). **FRET-enhanced photoluminescence of perylene diimides by combining molecular aggregation and insulation**. *Journal of Materials Chemistry C, 8*(26), 8953-8961. doi:10.1039/d0tc02108c

Zhang, B., Yang, H., Warner, T., Mulvaney, P., Rosengarten, G., Wong, W. W. H., & Ghiggino, K. P. (2020). **A luminescent solar concentrator ray tracing simulator with a graphical user interface: features and applications.** *Methods and Applications in Fluorescence, 8*(3). doi:10.1088/2050-6120/ab993d

CSL at Bio21 Institute

Barr, A. M., Silva, A., Prato, S., Belz, G. T., Maraskovsky, E., & Morelli, A. B. (2020). **Therapeutic ISCOMATRIX (TM) adjuvant vaccine elicits effective anti-tumor immunity in the TRAMP-C1 mouse model of prostate cancer**. *Cancer Immunology Immunotherapy, 69*(10), 1959-1972. doi:10.1007/s00262-020-02597-6

Biscombe, C. J. C., Dower, S. K., Muir, I. L., & Harvie, D. J. E. (2020).
Modeling Thrombin Generation in Plasma under Diffusion and Flow. *Biophysical Journal, 119*(1), 162-181. doi:10.1016/j.bpj.2020.04.033

Chittoor, B., Krishnarjuna, B., Morales, R. A. V., & Norton, R. S. (2020).
The Single Disulfide-Directed beta-Hairpin Fold: Role of Disulfide Bond in Folding and Effect of an Additional Disulfide Bond on Stability. *Australian Journal of Chemistry, 73*(4), 312-320. doi:10.1071/ch19386

Diego, V. P., Luu, B. W., Hofmann, M., Dinh, L. V., Almeida, M., Powell, J. S., Rajalingam, R., Peralta, J. M., Kumar, S., Curran, J. E., Sauna, Z. E., Kellerman, R., Park, Y., Key, N. S., Escobar, M. A., Huy, H., Verhagen, A. M., Williams-Blangero, S., Lehmann, P. V., Maraskovsky, E., Blangero, J., & Howard, T. E. (2020).
Quantitative HLA-class-II/factor VIII (FVIII) peptidomic variation in dendritic cells correlates with the immunogenic potential of therapeutic FVIII proteins in hemophilia A. *Journal of Thrombosis and Haemostasis, 18*(1), 201-216. doi:10.1111/jth.14647

Ekanayake, N. I. K., Berry, J. D., Stickland, A. D., Dunstan, D. E., Muir, I. L., Dower, S. K., & Harvie, D. J. E. (2020).
Lift and drag forces acting on a particle moving with zero slip in a linear shear flow near a wall. *Journal of Fluid Mechanics, 904*. doi:10.1017/jfm.2020.662

Hildebrand, J. M., Kauppi, M., Majewski, I. J., Liu, Z., Cox, A. J., Miyake, S., Petrie, E. J., Silk, M. A., Li, Z., Tanzer, M. C., Brumatti, G., Young, S. N., Hall, C., Garnish, S. E., Corbin, J., Stutz, M. D., Di Rago, L., Gangatirkar, P., Josefsson, E. C., Rigbye, K., Anderton, H., Rickard, J. A., Tripaydonis, A., Sheridan, J., Scerri, T. S., Jackson, V. E., Czabotar, P. E., Zhang, J.-G., Varghese, L., Allison, C. C., Pellegrini, M., Tannahill, G. M., Hatchell, E. C., Willson, T. A., Stockwell, D., de Graaf, C. A., Collinge, J., Hilton, A., Silke, N., Spall, S. K., Chau, D., Athanasopoulos, V., Metcalf, D., Laxer, R. M., Bassuk, A. G., Darbro, B. W., Singh, M. A. F., Vlahovich, N., Hughes, D., Kozlovskaia, M., Ascher, D. B., Warnatz, K., Venhoff, N., Thiel, J., Biben, C., Blum, S., Reveille, J., Hildebrand, M. S., Vinuesa, C. G., McCombe, P., Brown, M. A., Kile, B. T., McLean, C., Bahlo, M., Masters, S. L., Nakano, H., Ferguson, P. J., Murphy, J. M., Alexander, W. S., & Silke, J. (2020).
A missense mutation in the MLKL brace region promotes lethal neonatal inflammation and hematopoietic dysfunction. *Nature Communications, 11*(1). doi:10.1038/s41467-020-16819-z

Law, C. W., Zeglinski, K., Dong, X., Alhamdoosh, M., Smyth, G. K., & Ritchie, M. E. (2020).
A guide to creating design matrices for gene expression experiments. *F1000Research, 9*, 1444-1444. doi:10.12688/f1000research.27893.1

Long, S. M., Tull, D. L., De Souza, D. P., Kouremenos, K. A., Dayalan, S., McConville, M. J., Hassell, K. L., Pettigrove, V. J., & Gagnon, M. M. (2020).
Metabolomics Provide Sensitive Insights into the Impacts of Low Level Environmental Contamination on Fish Health-A Pilot Study. *Metabolites, 10*(1). doi:10.3390/metabo10010024

Morris, R. G., Husain, K. B., Budnar, S., & Yap, A. S. (2020).
Anillin: The First Proofreading-like Scaffold? *Bioessays, 42*(10). doi:10.1002/bies.202000055

Owen, N., Healy, G. N., Dempsey, P. C., Salmon, J., Timperio, A., Clark, B. K., Goode, A. D., Koorts, H., Ridgers, N. D., Hadgraft, N. T., Lambert, G., Eakin, E. G., Kingwell, B. A., & Dunstan, D. W. (2020).
Sedentary Behavior and Public Health: Integrating the Evidence and Identifying Potential Solutions. In J. E. Fielding (Ed.), *Annual Review of Public Health, Vol 41* (Vol. 41, pp. 265-287).

Pelingon, R., Pegg, C. L., Zacchi, L. F., Phung, T. K., Howard, C. B., Xu, P., Hardy, M. P., Owczarek, C. M., & Schulz, B. L. (2020).
Glycoproteomic measurement of site-specific polysialylation. *Analytical Biochemistry, 596*. doi:10.1016/j.ab.2020.113625

Pestel, S., Belt, H.-W., Claar, P., Lind, H., Mischnik, M., Raquet, E., Andrews, A., Simmonds, J., Tomasetig, V., Dower, S. K., Tjarnlund-Wolf, A., Schulte, S., Schmidt, P. M., & Weimer, T. (2020).
FVIII half-life extension by coadministration of a D'D3 albumin fusion protein in mice, rabbits, rats, and monkeys. *Blood Advances, 4*(9), 1870-1880. doi:10.1182/bloodadvances.2019000999

Richart, A. L., Reddy, M., Khalaji, M., Natoli, A. L., Heywood, S. E., Siebel, A. L., Lancaster, G. L., Murphy, A. J., Carey, A. L., Drew, B. G., Didichenko, S. A., Navdaev, A. V., & Kingwell, B. A. (2020).
Apo AI Nanoparticles Delivered Post Myocardial Infarction Moderate Inflammation. *Circulation Research, 127*(11), 1422-1436. doi:10.1161/circresaha.120.316848

Rigau, M., Ostrouska, S., Fulford, T. S., Johnson, D. N., Woods, K., Ruan, Z., McWilliam, H. E. G., Hudson, C., Tutuka, C., Wheatley, A. K., Kent, S. J., Villadangos, J. A., Pal, B., Kurts, C., Simmonds, J., Pelzing, M., Nash, A. D., Hammet, A., Verhagen, A. M., Vairo, G., Maraskovsky, E., Panousis, C., Gherardin, N. A., Cebon, J., Godfrey, D. I., Behren, A., & Uldrich, A. P. (2020).
Butyrophilin 2A1 is essential for phosphoantigen reactivity by gamma delta T cells. *Science, 367*(6478), 642-+. doi:10.1126/science.aay5516

Suraweera, C. D., Anasir, M. I., Chugh, S., Javorsky, A., Impey, R. E., Zadeh, M. H., da Costa, T. P. S., Hinds, M. G., & Kvansakul, M. (2020).
Structural insight into tanapoxvirus-mediated inhibition of apoptosis. *Febs Journal, 287*(17), 3733-3750. doi:10.1111/febs.15365

Taylor, F. C., Dunstan, D. W., Homer, A. R., Kingwell, B. A., Dempsey, P. C., Climie, R. E., Owen, N., Larsen, R. N., Wheeler, M. J., Townsend, M. K., Maniar, N., & Green, D. J. (2020).
Acute Effects Of Interrupting Prolonged Sitting On Vascular Function In Type 2 Diabetes. *Medicine and Science in Sports and Exercise, 52*(17), 14-14. Retrieved from <Go to ISI>://WOS:000590026300038

Teo, J. L., Gomez, G. A., Weeratunga, S., Davies, E. M., Noordstra, I., Budnar, S., Katsuno-Kambe, H., McGrath, M. J., Verma, S., Tomatis, V., Acharya, B. R., Balasubramaniam, L., Templin, R. M., McMahon, K.-A., Lee, Y. S., Ju, R. J., Stebhens, S. J., Ladoux, B., Mitchell, C. A., Collins, B. M., Parton, R. G., & Yap, A. S. (2020).
Caveolae Control Contractile Tension for Epithelia to Eliminate Tumor Cells. *Developmental Cell, 54*(1), 75-+. doi:10.1016/j.devcel.2020.05.002

Toh, W. H., Louber, J., Mahmoud, I. S., Chia, J., Bass, G. T., Dower, S. K., Verhagen, A. M., & Gleeson, P. A. (2020).
FcRn mediates fast recycling of endocytosed albumin and IgG from early macropinosomes in primary macrophages. *Journal of Cell Science, 133*(5). doi:10.1242/jcs.235416

Wee, K., Hediyeh-Zadeh, S., Duszyc, K., Verma, S., Nanavati, B. N., Khare, S., Varma, A., Daly, R. J., Yap, A. S., Davis, M. J., & Budnar, S. (2020).
Snail induces epithelial cell extrusion by regulating RhoA contractile signalling and cell-matrix adhesion. *Journal of Cell Science, 133*(13). doi:10.1242/jcs.235622