

## Publications 2018

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2. Mitchell C.B., Black B., Sun F., Chrzanowski W., Cooper-White J., Maisonneuve B., Stringer B., Day B., **Biro M.**, O'Neill G.M. (2018). Tropomyosin Tpm 2.1 loss induces glioblastoma spreading in soft brain-like environments. *Journal of Neuro-Oncology* 141(2):303-313.
3. Moran I., Nguyen A., Khoo W.H., Butt D., Bourne K., Young C., Hermes J.R., **Biro M.**, Gracie G., Ma C.S., Munier C.M.L., Luciani F., Zauanders J., Parker A., Kelleher A.D., Tangye S.G., Croucher P.I., Brink R., Read M.N., Phan T.G. (2018). Memory B cells are reactivated in subcapsular proliferative foci of lymph nodes. *Nature Communications* 9(1):3372.
4. Pagoon S.V., Govendir M.A., Kempe D., **Biro M.** (2018). Mechanoimmunology: molecular-scale forces govern immune cell functions. *Molecular Biology of the Cell* 29(16):1919-1926.
5. Zenker J., White M.D., Gasnier M., Alvarez Y.D., Lim H.Y.G., Bissiere S., **Biro M.\***, Plachta N.\* (2018). Expanding Actin Rings Zipper the Mouse Embryo for Blastocyst Formation. *Cell* 173(3):776-791.e17 (\*senior and corresponding author)
6. Oyong D, Kenangalem E, Poespoprodjo JR, Beeson JG, Anstey NM, Price R, **Boyle MJ**: Loss of complement regulatory proteins on uninfected but not infected red blood cells in *P. vivax* and *P. falciparum* malaria, *JCI Insight*, 2018, 3(22):e124854.
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8. Loughland JR, Woodberry T, **Boyle MJ**, Tipping PE, Piera KA, Amante FH, Kenangalem E, Price RN, Engwerda CR, Anstey NM, McCarthy JS, Minigo G: Plasmodium falciparum activates CD16+ dendritic cells to produce TNF and IL-10 in subpatent malaria. *Journal of Infectious Diseases*, 2019, 219(4): 660-671.
9. Feng G\*, **Boyle MJ\***, Cross N, Chan JA, Reiling L, Osier F, Stanistic D, Mueller I, Anders RF, McCarthy JS, Richards JS, Beeson JG: Human immunization with a polymorphic malaria vaccine candidate

induced antibodies to conserved epitopes that promote functional antibodies to multiple parasite strains. *Journal of Infectious Diseases*, Jul 2018, 218; 1. \*Joint first author.

10. **Cryle, Max J.** (2018). Pathway to malonic acid containing metabolites, *Nature Catalysis*, 1, 907-908. Invited Editorial.
11. Ackerley, David F.; Challis, Gregory L.; **Cryle, Max J.** (2018). Understanding biosynthetic protein-protein interactions, *Natural Product Reports* 35, 1118-1119.
12. \* Schoppet, Melanie; Peschke, Madeleine; Kirchberg, Anja; Wiebach, Vincent; Süssmuth, Roderich D.; Stegmann, Evi; **Cryle, Max J.** (2018). The biosynthetic implications of late-stage condensation domain selectivity during glycopeptide antibiotic biosynthesis, *Chemical Science* 10, 118-133. Selected for the 2018 Chemical Science HOT Article Collection.
13. Izoré, Thierry; Cryle Max J. (2018). The many faces and important roles of protein-protein interactions during non-ribosomal peptide synthesis, *Natural Product Reports* 35, 1120-1139. Part of the themed issue Understanding biosynthetic protein-protein interactions guest edited by David Ackerley, Greg Challis and **Max Cryle**.
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15. Schoppet, Melanie; Tailhades, Julien; Kulkarni, Ketav; **Cryle, Max J.** (2018). Precursor Manipulation in Glycopeptide Antibiotic Biosynthesis: Are  $\beta$ -Amino Acids Compatible with the Oxidative Cyclization Cascade?, *Journal of Organic Chemistry*, 83 (13), 7206–7214.
16. Greule, Anja; Stok, Jeanette; De Voss, James J.; **Cryle, Max J.** (2018). Unrivalled diversity: the many roles and reactions of bacterial cytochromes P450 in secondary metabolism, *Natural Product Reports* 35, 757-791. Invited review.
17. Tailhades, Julien; Schoppet, Melanie; Greule, Anja; Peschke, Madeleine; Brieke, Clara; **Cryle, Max J.**, A route to diastereomerically pure phenylglycine thioester peptides: crucial intermediates for investigating glycopeptide antibiotic biosynthesis, *Chemical Communications* (2018), 54(17), 2146-2149.
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47. Natasha Jansz, Andrew J. Keniry, Marie Trussart, Heidi Bildsoe, Tamara Beck, Ian D. Tonks, Arne W. Mould, Peter Hickey, Kelsey Breslin, Megan Iminoff, Terry Speed, Matthew E. Ritchie, **Edwina McGlinn,** Graham F. Kay, James M. Murphy, Marnie E. Blewitt. (2018). Long-range chromatin interactions on the inactive X and at Hox clusters are regulated by the non-canonical SMC protein Smcd1. *Nature Structural and Molecular Biology*, 25(9): 766-777.
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