

Publications

Gilabert-Oriol R, Furness S, Stringer BW, Weng A, Fuchs H, Day BW, Kourakis A, Boyd AW, Hare D, Thakur M, Johns T, Wookey P (2017) Diantin-30, gelonin or saporin versus monomethyl auristatin E, each configured with an anti-calcitonin receptor antibody, differentially promote cell death in vitro of high grade glioma cell lines derived from glioblastoma. *Cancer Immunology, Immunotherapy*, May 13 doi: 10.1007/s00262-017-2013-z.

Greenall SA, Lim YC, Mitchell CB, Ensbey KS, Stringer BW, Wilding AL, O'Neill GM, McDonald KL, Gough DJ, Day BW, Johns TG (2017) Cyclin-dependent kinase 7 is a therapeutic target in high-grade glioma. *Oncogenesis* May 15 6:e336 doi: 10.1038/oncisis.2017.33.

Doebber A, Phoa AF, Stringer BW, Day BW, Johns TG, Abadleh M, Peifer C, Munoz L (2017) Development and biological evaluation of a photoactivatable small molecule microtubule-targeting agent. *J Med Chem* Mar 15 8:395-400 doi: 10.1021/acsmedchemlett.6b00483.

Zhou Q, Phoa AF, Abbassi RH, Hoque M, Reekie TA, Font JS, Ryan RM, Stringer BW, Day BW, Johns TG, Munoz L, Kassiou M (2017) Structural optimization and pharmacological evaluation of inhibitors targeting dual-specificity tyrosine phosphorylation-regulated kinases (DYRK) and CDC-like kinases (CLK) in glioblastoma. *J Med Chem* Mar 9 60:2052-2070 doi: 10.1021/acs.jmedchem.6b01840.

Tivnan A, Heilinger T, Ramsey JM, O'Connor G, Pokorny JL, Sarkaria JN, Stringer BW, Day BW, Boyd AW, Kim EL, Lode HN, Cryan SA, Prehn JH (2017) MAnti-GD2-ch14.18/CHO coated nanoparticles mediate glioblastoma (GBM)-specific delivery of the aromatase inhibitor, Letrozole, reducing proliferation, migration and chemoresistance in patient-derived GBM tumor cells. *Oncotarget* Mar 7;8:16605-16620 doi: 10.18632/oncotarget.15073.

Stringer BW, Bunt J, Day BW, Barry G, Jamieson PR, Ensbey KS, Bruce ZC, Goasdoué K, Vidal H, Charmsaz S, Smith FM, Cooper LT, Piper M, Boyd AW, Richards LJ (2016) Nuclear factor one B (NF1B) encodes a subtype-specific tumour suppressor in glioblastoma. *Oncotarget* 17 May 7:29306-20 doi: 10.18632/oncotarget.8720.

Grundy TJ, De Leon E, Griffin KR, Stringer BW, Day BW, Fabry B, Cooper-White J, O'Neill GM (2016) Differential response of patient-derived primary glioblastoma cells to environmental stiffness. *Sci Rep* 6:23353 doi: 10.1038/srep23353.

Zakaria Z, Tivnan A, Flanagan L, Murray D, Salvucci M, Stringer BW, Day BW, Boyd AW, Koegel D, Rehm M, O'Brien D, Byrne A, Prehn J (2016) Patient-derived glioblastoma cells show significant heterogeneity in treatment responses to the inhibitor-of-apoptosis-protein (IAP) antagonist Birinapant. *Br J Cancer* 114:188-98 doi: 10.1038/bjc.2015.420.

Phoa AF, Browne S, Gurgis FM, Åkerfeldt MC, Döbber A, Renn C, Peifer C, Stringer BW, Day BW, Wong C, Chircop M, Johns TG, Kassiou M, Munoz L (2015) Pharmacology of novel small-molecule tubulin inhibitors in glioblastoma cells with enhanced EGFR signalling. *Biochem Pharmacol* 98:587-601 doi: 10.1016/j.bcp.2015.10.014.

Puttick S, Stringer BW, Day BW, Bruce ZC, Ensbey KS, Mardon K, Cowin GJ, Thurecht KJ, Whittaker AK, Fay M, Boyd AW, Rose S (2015) EphA2 as a diagnostic imaging target in glioblastoma: a positron emission tomography/magnetic resonance imaging study. *Mol Imaging* 14:385-99 doi: 10.2310/7290.2015.00008.

Rundle-Thiele D, Day B, Stringer B, Fay M, Martin J, Jeffree RL, Thomas P, Bell C, Salvado O, Gal Y, Coulthard A, Crozier S, Rose S (2015) Using the apparent diffusion coefficient to identifying MGMT promoter methylation status early in glioblastoma: importance of analytical method. *J Med Radiat Sci* 62:92-8 doi: 10.1002/jmrs.103.

Rahman M, Reyner K, Deleyrolle L, Millette S, Azari H, Day BW, Stringer BW, Boyd AW, Johns TG, Blot V, Duggal R, Reynolds BA (2015) Neurosphere and adherent culture conditions are equivalent for malignant glioma stem cell lines. *Anat Cell Biol* 48:25-35 doi: 10.5115/acb.2015.48.1.25.

Hosein AN, Lim YC, Day B, Stringer BW, Rose S, Head R, Cosgrove L, Sminia P, Fay M, Martin JH (2015) The effect of valproic acid in combination with irradiation and temozolomide on primary human glioblastoma cells. *J Neurooncol* 122:263-71 doi: 10.1007/s11060-014-1713-x.

Lim YC, Roberts TL, Day BW, Stringer BW, Kozlov S, Fazry S, Bruce ZC, Ensbey KS, Walker DG, Boyd AW, Lavin MF (2014) Increased sensitivity to ionizing radiation by targeting the homologous recombination pathway in glioma initiating cells. *Mol Oncol* 8:1603-15 doi: 10.1016/j.molonc.2014.06.012.

Abuhusain HJ, Matin A, Qiao Q, Shen H, Day BW, Stringer BW, Daniels B, Laaksonen MS, Teo C, McDonald KL, Don AS (2013) A metabolic shift favoring sphingosine 1-phosphate at the expense of ceramide controls glioblastoma angiogenesis. *J Biol Chem* 288:37355-64 doi: 10.1074/jbc.M113.494740.

Tivnan A, Zhao J, Johns TG, Day B, Stringer B, Boyd A, Tiwari S, Giles KM, Teo C, McDonald KM (2013) The tumour suppressor microRNA, miR-124a, is regulated by epigenetic silencing and by the transcriptional factor, REST in glioblastoma. *Tumor Biology* Sep 2013 doi: 10.1007/s13277-013-1200-6.

Flavahan WA, Wu Q, Hitomi M, Rahim N, Kim Y, Sloan AE, Weil RJ, Nakano I, Sarkaria JN, Stringer BW, Day BW, Li M, Lathia JD, Rich JN, Hjelmeland AB (2013) Brain tumor initiating cells adapt to restricted nutrition through preferential glucose uptake. *Nat Neurosci* 16:1373-82 doi: 10.1038/nn.3510.

Day BW, Stringer BW, Wilson J, Jeffree RL, Jamieson PR, Ensbey KS, Bruce ZC, Inglis P, Allan S, Winter C, Tolleson G, Campbell S, Lucas P, Findlay W, Kadrian D, Johnson D, Robertson T, Johns TG, Bartlett PF, Osborne GW, Boyd AW (2013) Glioma surgical aspirate: a viable source of tumor tissue for experimental research. *Cancers* 5:357-71 doi: 10.3390/cancers5020357.

Day BW, Stringer BW, Al-Ejeh F, Ting MJ, Wilson J, Ensbey KS, Jamieson PR, Bruce ZC, Lim YC, Offenhäuser C, Charmsaz S, Cooper LT, Ellacott JK, Harding A, Leveque L, Inglis P, Allan S, Walker DG, Lackmann M, Osborne G, Khanna KK, Reynolds BA, Lickliter JD, Boyd AW. (2013) EphA3 maintains tumorigenicity and is a therapeutic target in glioblastoma multiforme. *Cancer Cell* 23:238-48 doi: 10.1016/j.ccr.2013.01.007.