

2020

Combined targeting of MEK and the glucocorticoid receptor for the treatment of RAS-mutant multiple myeloma

Sriskandarajah, P., De Haven Brandon, A., MacLeod, K., Carragher, N.O., Kirkin, V., Kaiser, M. & Whittaker, S.R.

30 Mar 2020, BMC Cancer. 20, 1

<https://pubmed.ncbi.nlm.nih.gov/32228485/>

2019

A Synergistic Anti-Cancer FAK and HDAC Inhibitor Combination Discovered by a Novel Chemical-Genetic High-Content Phenotypic Screen

Dawson, J., Serrels, B., Byron, A., Muir, M., Makda, A., Garcia-Munoz, A., Von Kriegsheim, A., Lietha, D., Carragher, N. & Frame, M.

29 Nov 2019, Molecular Cancer Therapeutics.

<https://pubmed.ncbi.nlm.nih.gov/31784455/>

N-cadherin stabilises neural identity by dampening anti-neural signals

Punovuori, A., Migueles, R. P., Malaguti, M., Blin, G., MacLeod, K.G., Carragher, N., Pieters, T., van Roy, F., Stemmler, M.P. & Lowell, S.

10 Oct 2019, Development.

<https://pubmed.ncbi.nlm.nih.gov/31601548/>

Mauritian Endemic Medicinal Plant Extracts Induce G2/M Phase Cell Cycle Arrest and Growth Inhibition of Oesophageal Squamous Cell Carcinoma in Vitro

Rummun, N., Hughes, R.E., Beesoo, R., Li, W.W., Aldulaimi, O., MacLeod, K., Bahorun, T., Carragher, N., Kagansky, A. & Neergheen-bhujun, V.S.

15 Apr 2019, ACTA NATURE. 11, 1

<https://pubmed.ncbi.nlm.nih.gov/31024752/>

2018

Reversal of proliferation deficits caused by chromosome 16p13.11 microduplication through targeting NFκB signaling: an integrated study of patient-derived neuronal precursor cells, cerebral organoids and in vivo brain imaging

Johnstone, M., Vasistha, N.A., Barbu, M.C., Dando, O., Burr, K., Christopher, E., Glen, S., Robert, C., Fetit, R., MacLeod, K.G., Livesey, M.R., Clair, D.S., Blackwood, D.H.R., Millar, K., Carragher, N.O., Hardingham, G.E., Wyllie, D.J.A., Johnstone, E.C., Whalley, H.C., Mcintosh, A.M. & 2 others.

6 Nov 2018, Molecular Psychiatry.

<https://pubmed.ncbi.nlm.nih.gov/30401811/>

2017

Pharmaco-genomic investigations of organo-iridium anticancer complexes reveal novel mechanism of action

Hearn, J.M., Hughes, G.M., Romero-Canelón, I., Munro, A., Rubio Ruiz, B., Liu, Z., Carragher, N. & Sadler, P.J.

13 Nov 2017, Metallomics.

<https://pubmed.ncbi.nlm.nih.gov/29131211/>

TRPA1- FGFR2 binding event is a regulatory oncogenic driver modulated by miRNA-142-3p

Berrout, J., Kyriakopoulou, E., Moparthi, L., Hogeia, S.A., Berrout, L., Ivan, C., Lorgier, M., Boyle, J., Peers, C., Muench, S., Elies Gomez, J., Hu, X., Hurst, C., Hall, T., Umamaheswaran, S., Wesley, L., Gagea, M., Shires, M., Manfield, I., A. Knowles, M., Davies, S., Suhling, K., Teijeiro Gonzalez, Y.T., Carragher, N., Macleod, K., Abbott, N.J., Calin, G.A., Gamper, N., Zygmont, P.M. & Timsah, Z.

16 Oct 2017, Nature Communications.

<https://pubmed.ncbi.nlm.nih.gov/29038531/>

Broad-Spectrum Inhibition of Respiratory Virus Infection by MicroRNA Mimics Targeting p38 MAPK Signaling.

McCaskill, J.L., Ressel, S., Alber, A., Redford, J., Power, U.F., Schwarze, J., Dutia, B.M., Buck, A.H.
2017 Jun 16, Mol Ther Nucleic Acids; 7:256-266. KM and NC acknowledged

<https://pubmed.ncbi.nlm.nih.gov/28624201/>

Global histone modification fingerprinting in human cells using epigenetic reverse phase protein array

Partolina, M., Thoms, H.C., Macleod, K.G., Rodriguez-blanco, G., Clarke, M.N., Venkatasubramani, A.V., Beesoo, R., Larionov, V., Neergheen-bhujun, V.S., Serrels, B., Kimura, H., Carragher, N.O. & Kagansky, A.

14 Mar 2017, Cell Death Discovery. 3, p. 16077

<https://pubmed.ncbi.nlm.nih.gov/28326191/>

2016

Naturally Inspired Peptide Leads: Alanine Scanning Reveals an Actin-Targeting Thiazole Analogue of Bisebromoamide

Johnston, H.J., Boys, S.K., Makda, A., Carragher, N.O. & Hulme, A.N.

5 Aug 2016, ChemBioChem. 17, 17, p. 1621-1627

<https://pubmed.ncbi.nlm.nih.gov/27304907/>

Identification of novel pathways linking epithelial-to-mesenchymal transition with resistance to HER2-targeted therapy.

Creedon, H., Gómez-Cuadrado, L., Tarnauskaitė, Ž., Balla, J., Canel, M., MacLeod, K.G., Serrels, B., Fraser, C., Unciti-Broceta, A., Tracey, N., Le Bihan, T., Klinowska, T., Sims, A.H., Byron, A., & Brunton, V.G.

8 Mar 2016, Oncotarget 7(10), 11539-11552

<https://pubmed.ncbi.nlm.nih.gov/26883193/>

2015

FLT1 signaling in metastasis-associated macrophages activates an inflammatory signature that promotes breast cancer metastasis

Qian, B., Zhang, H., Li, J., He, T., Yeo, E-J., Soong, D.Y H., Carragher, N.O., Munro, A., Chang, A., Bresnick, A.R., Lang, R.A. & Pollard, J.W.

10 Aug 2015, Journal of Experimental Medicine. 212, 9

<https://pubmed.ncbi.nlm.nih.gov/26261265/>

Potent organo-osmium compound shifts metabolism in epithelial ovarian cancer cells

Hearn, J.M., Romero-Canelón, I., Munro, A.F., Fu, Y., Pizarro, A.M., Garnett, M.J., McDermott, U., Carragher, N.O. & Sadler, P.J.

21 Jul 2015, Proceedings of the National Academy of Sciences. 112, 29, p. E3800-5

<https://pubmed.ncbi.nlm.nih.gov/26162681/>

2014

Extracellular palladium-catalysed dealkylation of 5-fluoro-1-propargyl-uracil as a bioorthogonally activated prodrug approach

Weiss, J.T., Dawson, J.C., Macleod, K.G., Rybski, W., Fraser, C., Torres-Sanchez, C., Patton, E.E., Bradley, M., Carragher, N.O. & Unciti-Broceta, A.

13 Feb 2014, Nature Communications. 5, 3277.

<https://pubmed.ncbi.nlm.nih.gov/24522696/>

2013

Ret inhibition decreases growth and metastatic potential of estrogen receptor positive breast cancer cells

Gattelli, A., Nalvarte, I., Boulay, A., Roloff, T.C., Schreiber, M., Carragher, N., Macleod, K., Schleder, M., Lienhard, S., Kenner, L., Torres-Arzayus, M.I. & Hynes, N.E.

Sep 2013, EMBO molecular medicine. 5, 9, p. 1335-1350

<https://pubmed.ncbi.nlm.nih.gov/23868506/>

Dasatinib inhibits mammary tumour development in a genetically engineered mouse model

Karim, S., Creedon, H., Patel, H., Carragher, N.O., Morton, J., Muller, W., Evans, T., Gusterson, B., Sansom, O. & Brunton, V.

Aug 2013, The Journal of Pathology. 230, 4, p. 430-440 11

<https://pubmed.ncbi.nlm.nih.gov/23616343/>

Book Chapters & Review Articles

Drug Screening Platforms and RPPA

Dawson, J.C., Warchal, S.J. & Carragher, N.O.

10 Dec 2019, Reverse Phase Protein Arrays; vol. 1188

<https://pubmed.ncbi.nlm.nih.gov/31820390/>

Reverse Phase Protein Arrays and Drug Discovery

Macleod, K.G., Serrels, B. & Carragher, N.O.

15 Aug 2017, Proteomics for Drug Discovery; vol. 1647

<https://pubmed.ncbi.nlm.nih.gov/28809001/>

Reverse Phase Protein Arrays elucidate mechanisms-of-action and phenotypic response in 2D and 3D models

Pawlak, M. & Carragher, N.O.

30 May 2017, Drug Discovery Today: Technologies.

<https://pubmed.ncbi.nlm.nih.gov/28647089/>

**Realizing the Promise of Reverse Phase Protein Arrays for Clinical, Translational, and Basic Research:
A Workshop Report**

Akbani, R., Becker, K-F., Carragher, N., Goldstein, T., de Koning, L., Korf, U., Liotta, L., Mills, G.B., Nishizuka, S.S., Pawlak, M., Petricoin, E.F., Pollard, H.B., Serrels, B. & Zhu, J.

Jul 2014, Molecular and Cellular Proteomics. 13, 7, p. 1625-1643

<https://pubmed.ncbi.nlm.nih.gov/24777629/>

Quantitative phenotypic and pathway profiling guides rational drug combination strategies

Dawson, J. & Carragher, N.O.

28 May 2014, Frontiers in pharmacology. 5

<https://pubmed.ncbi.nlm.nih.gov/24904421/>

Combining imaging and pathway profiling: an alternative approach to cancer drug discovery.

Carragher, N., Brunton, V. & Frame, M.

Mar 2012, Drug Discovery Today. 17, 5-6, p. 203-214

<https://pubmed.ncbi.nlm.nih.gov/22493783/>