

Peer-reviewed Publications

Citations: 3475 using SCOPUS

h-index: 23

1. Ros U, Peña-Blanco A, Hänggi K, Kunzendorf U, Krautwald S, **Wong WW**, Garcia-Saez A. (2017) Necroptosis execution is mediated by plasma membrane nanopores independent of calcium. Cell Reports 19:175-187. ISI Impact Factor: 8.28 Citations: 1
2. Hänggi K, Vasilikos L, Valls AF, Yebes, R, Knop J, Valls AF, Rieck K, Spilgies L, Misra T, Bertin J, Gough PJ, Schmidt T, Almodovar CR, **Wong WW**. (2017) RIPK1/RIPK3 promotes vascular permeability to allow tumor cell extravasation independent of its necroptotic function. Cell Death & Disease – doi:10.1038/cddis.2017.20 ISI Impact Factor: 5.96 Citations: 1
3. Tanzer M, Khan N, Rickard J, Etemadi N, Lalaoui N, Spall S, Hildebrand J, Segal D, Miasari M, Chau D, **Wong WW**, McKinlay M, Chunduru S, Benetatos C, Condon S, Vince JE, Herold M, Silke J. (2017) Combination of IAP antagonist and IFN γ activates novel caspase-10 and RIPK1 dependent cell death pathways. Cell Death & Diff – doi:10.1038/cdd.2016.147 ISI Impact Factor: 8.18 Citations: 1
4. Grabinger T, Bode KJ, Demgenski J, Seitz C, Delgado ME, Kostadinova F, Reinhold C, Etemadi N, Wilhelm S, Schweinlin M, Hänggi K, Knop J, Hauck C, Walles H, Silke J, Wajant H, Nachbur, U, **Wong WW**, Brunner T. (2017) Inhibitor of Apoptosis Protein-1 Regulates Tumor Necrosis Factor-mediated Destruction of Intestinal Epithelial Cells. Gastrology 152: 867-879. ISI Impact Factor 18.18 Citations: 0
1. Wicki S, Gurzeler U, **Wong WW**, Jost PJ, Bachmann D, Kaufmann T. (2016) Loss of XIAP facilitates switch to TNF α -induced necroptosis in mouse neutrophils. Cell Death & Disease 7, e2422; doi:10.1038/cddis.2016.311 ISI Impact Factor: 5.96 Citations: 5
2. Lalaoui N, Hänggi K, Brumatti G, Chau D, Nguyen NN, Vasilikos L, Spilgies L, Ma C, Ghisi M, Salmon JM, Moujalled D, Spall S, Glaser SP, Munoz L, Condon SM, Gugasyan R, Gaestel M, Johnstone R, Wei A, Ekert PG, Vaux DL, **Wong WW**, Silke J. (2016) Targeting p38/MK2 enhances the anti-leukemic activity of Smac-mimetics. Cancer Cell. 29:145-58. ISI Impact Factor: 23.5 Citations: 14
3. Lopez MA, Meier D, **Wong WW**, Fontana A (2016). TNF induced inhibition of Cirbp expression depends on RelB NF- κ B signalling pathway. Biochemistry and Biophysics Reports – 5:22-26. ISI Impact Factor: unknown Citations: 0
4. Etemadi N, Chopin M, Anderton H, Tanzer MC, Rickard JA, Abeysekera W, Hall C, Spall SK, Wang B, Xiong Y, Hla T, Pitson SM, Bonder CS, **Wong WW**, Ernst M, Smyth GK, Vaux DL, Nutt SL, Nachbur U, Silke J. (2015) TRAF2 regulates TNF and NF- κ B signalling to suppress apoptosis and skin inflammation independently of Sphingosine kinase 1. Elife. Dec 23;4. pii: e10592. doi: 10.7554/eLife.10592 ISI Impact Factor: 9.32 Citations: 7
5. Amini P, Stojkov D, Wang X, Wicki S, Kaufmann T, **Wong WW**, Simon HU, Yousefi S (2016). NET formation can occur independently of RIPK3 and MLKL signaling. Eur J Immunol. 46: 178–184 Impact factor: 4.03 Citations: 11
6. Johnston A, Murphy KT, Jenkinson L, Laine D, Emmrich K, Faou P, Weston R, Jayatilleke KM, Schloegel J, Talbo G, Casey J, Levina V, **Wong WW**, Dillon H, Sahay T, Hoogenraad J, Anderton H, Schneider P, Foley M, Lynch GS, Silke J, Hoogenraad H*. (2015) Inhibition of TWEAK/Fn14 signaling prevents cachexia. Cell 162(6):1365-78. Impact Factor: 32.2 Citations: 20
Highlight Developed the tumor model that will grow in syngeneic mice for the study and instigated my interest in tumor microenvironment (Figure 2).
7. Lawlor KE, Khan N, Mildenhall A, Gerlic M, Croker BA, D'Cruz AA, Hall C, Spall SK, Anderton H, Masters SL, Rashidi M, Wicks IP, Alexander WS, Mitsuuchi Y, Benetatos CA, Condon SM,

Wong, W. Wei-Lynn: A) Peer-reviewed Publications

- Wong WW**, Silke J, Vaux DL, Vince JE (2015). RIPK3 promotes cell death NLRP3 inflammasome activation in the absence of MLKL. *Nat Comm* 6:6282. Impact Factor: 11.47 Citations: 83
8. Zhao Y, Scott NA, Fynch S, Elkerbout L, **Wong WW**, Mason KD, Allison J, Strasser A, Huang DC, Kay TWH, Thomas HE (2015). Autoreactive T cells induce necrosis and not BCL-2 regulated or death receptor mediated apoptosis or RIPK3-dependent necroptosis of transplanted islets in a type 1 diabetes model. *Diabetologia* 58(1):140-8. Impact Factor: 6.88 Citations: 8
9. Rickard JA, Anderton H, Etemadi N, Nachbur U, Vanyai H, Lalaoui N, Bankovacki A, Gangoda L, **Wong WW**, Lawlor KE, Hall C, Corbin J, Huang C, Murphy JM, Alexander WS, Voss AK, Vaux DL, Kaiser WJ, Silke J (2014). TNFR1-dependent cell death drives inflammation in Sharpin-deficient mice. *ELife* 157 (5):1175-1188. Impact Factor: 9.32 Citations: 30
10. **Wong WW***, Vince JE, Lalaoui N, Lawlor KE, Chau D, Bankovacki A, Anderton H, Metcalf D, O'Reilly L, Jost PJ, Murphy J, Alexander W, Strasser A, Vaux DL, Silke J* (2014). cIAPs and XIAP regulate myelopoiesis through cytokine production in a RIPK1 and RIPK3 dependent manner. *Blood* 123(16):2562-72. Impact Factor: 10.45 Citations: 56
**corresponding author*
Highlight First author, Intellectual leadership and impact, also corresponding author. This work shows that XIAP and cIAPs regulate myelopoiesis by regulating the production of different cytokines, including TNF. In addition, it shows that RIPK1 and RIPK3, two proteins implicated as essential for a programmed cell death known as necroptosis also directly regulate TNF production prior to its role in instigating necroptosis.
Editorial: Jacquelin A and Auberger P. cIAPs and XIAP reduce RIPKs to silence
11. Damgaard RB*, Nachbur U*, Yabal M*, **Wong WW**, Fiil B, Kastirr M, Rieser E, Rickard J, Bankovacki A, Peschel C, Ruland J, Bekker-Jensen S, Mailand N, Kaufmann T, Strasser A, Walczak H, Silke J, Jost PJ*, Gryd-Hansen M* (2012). The ubiquitin ligase XIAP recruits LUBAC for NOD2 signaling in inflammation and innate immunity. *Mol Cell* 46(6):746-58. Impact Factor: 14.0 Citations: 147
12. Moulin M, Anderton H, Voss AK, Thomas T, Wong WW, Bankovacki A, Feltham R, Chau D, Cook WD, Silke J, Vaux DL (2012). IAPs limit activation of RIP kinases by TNF receptor 1 during development. *EMBO J* 31(7):1679-91. Impact Factor: 10.43 Citations: 86
13. Vince JE, **Wong WW***, Gentle IE*, Lawlor KE, Allam R, O'Reilly L, Mason K, Gross O, Ma S, Guarda G, Anderton H, Castillo R, Häcker G, Silke J, Tschopp J (2012). Inhibitor of apoptosis proteins limit RIP3 kinase-dependent interleukin-1 activation. *Immunity* 36(2):215-27. Impact Factor: 21.5 Citations: 202
Highlight Intellectual leadership and impact, showing IAPs regulate IL1 β through RIPK3 but not RIPK1.
14. Gentle IE, **Wong WW**, Evans JM, Bankovacki A, Cook WD, Khan NR, Nachbur U, Rickard J, Anderton H, Moulin M, LLuis JM, Moujalled DM, Silke J, Vaux DL (2011). In TNF-stimulated cells, RIPK1 promotes cell survival by stabilizing TRAF2 and cIAP1, which limits induction of non-canonical NF- κ B and activation of caspase-8 by stabilizing TRAF2 and cIAP1. *J. Biol. Chem.* 286:13282. Impact Factor: 4.57 Citations: 49
15. Gerlach B*, Cordier SM*, Schmukle AC*, Emmerich CH*, Rieser E*, Haas TL*, Webb AI*, Rickard JA, Anderton H, **Wong WW**, Nachbur U, Gangoda L, Warnken U, Purcell AW, Silke J, Walczak H (2011). Linear ubiquitination prevents inflammation and regulates immune signaling. *Nature* 471:591-6. Impact Factor: 41.45 Citations: 361
16. **Wong WW***, Boutros PC*, Wasylishen AR*, Guckert KD, O'Brien EM, Griffiths R, Martirosyan AR, Bros C, Jurisica I, Langler RF, Penn LZ (2010). Characterization of the apoptotic response of human leukemia cells to organosulfur compounds. *BMC Cancer* 10:351. Impact Factor: 3.36 Citations: 5

Wong, W. Wei-Lynn: A) Peer-reviewed Publications

17. Feltham R, Moulin M, Vince JE, Mace PD, **Wong WW**, Carter H, Day CL, Vaux DL, Silke J (2010). TNF signaling, but not TWEAK triggered cellular Inhibitor of Apoptosis protein 1 (cIAP1) degradation, requires cIAP1 RING dimerization and E2 binding. *J Biol Chem.* 285(23):17525-36. Impact Factor: 4.57 Citations: 31
18. **Wong WW**, Gentle IE, Nachbur U, Carter H, Vaux DL, Silke J (2010). RIPK1 is not essential for TNFR1 induced activation of NF- κ B. *Cell Death & Diff.* 17(3):482-87. Impact Factor: 8.18 Citations: 103
Reviewed by Faculty of 1000, Editorial: Bertrand MJM and Vandenabeele P. (2010) RIP1's function in NF- κ B activation: from master actor to onlooker. *Cell Death & Diff.* 17(3): 379-80
Highlight First author, Intellectual leadership and impact - overturned work that had become axiomatic in the TNF field; that RIPK1 was required for TNF induced NF- κ B.
Quality- The paper was the subject of an editorial in CD&D describing a "Kuhnian paradigm shift" & was selected in F1000 as 'recommended'.
19. Lluis JM, Nachbur U, Cook WD, Gentle IE, Moujalled D, Moulin M, **Wong WW**, Khan N, Chau D, Callus BA, Vince JE, Silke J, Vaux DL (2010). TAK1 is required for survival of mouse fibroblasts treated with TRAIL, and does so by NF- κ B dependent induction of cFLIPL. *PLoS One.* 5(1):e8620. Impact Factor: 3.23 Citations: 16
20. Geserick P, Hupe M, Moulin M, **Wong WW**, Feoktistova M, Kellert B, Gollnick H, Silke J, Leverkus M (2009). cIAPs inhibit a cryptic CD95-induced cell death by limiting RIP1 kinase recruitment. *J Cell Biol.* 187(7):1037-54. Impact Factor: 9.83 Citations: 143
21. Vince JE, Pantaki D, Feltham R, Mace PD, Cordier SM, Schmuckle AC, Davidson AJ, Callus BA, **Wong WW**, Gentle IE, Carter H, Lee EF, Walczak H, Day CL, Vaux DL, Silke J (2009). TRAF2 must bind to cIAPs for TNF to efficiently activate NF- κ B and to prevent TNF-induced apoptosis. *J Biol Chem.* 284(51):35906-15. Impact Factor: 4.57 Citations: 112
22. Ahmed AU, Moulin M, Coumailleau F, **Wong WW**, Miasari M, Carter H, Silke J, Cohen-Tannoudji M, Vince JE, Vaux DL (2009). CARP2 deficiency does not alter induction of NF- κ B by TNF α . *Curr Biol.* 19(1):R15-7. Impact Factor: 9.57 Citations: 7
23. Vince JE, Chau D, Callus B, **Wong WW**, Schneider P, McKinlay M, Benetatos CA, Condon SM, Chunduru SK, Yeoh G, Brink R, Vaux DL, Silke J (2008). Tweak-FN14 signaling induces lysosomal degradation of a cIAP1/TRAF2 complex to sensitize tumour cells to TNF α . *J Cell Biol.* 182(1):171-84. Impact Factor: 9.83 Citations: 163
24. Vince JE, **Wong WW***, Khan N*, Feltham R*, Chau D, Ahmed AU, Benetatos CA, Chunduru SK, Condon SM, McKinlay M, Brink R, Leverkus M, Tergaonkar V, Schneider P, Callus BA, Koentgen F, Vaux DL, Silke J (2007) IAP antagonists target cIAP1 to induce TNF α -dependent apoptosis. *Cell* 131(4):682-693. Impact Factor: 32.2 Citations: 625
Highlight This paper demonstrated how IAP antagonists function to kill tumor cells and represented a significant advance in our understanding of the molecular biology of cIAPs and IAP inhibitors. It was the first to show that cIAPs regulate the non-canonical NF- κ B pathway and the production of cytokines and therefore was the one of the basis of some of hypothesis put forward in this grant.
Quality- high citations in 3 years & selected in F1000 as 'recommended'.
25. **Wong WW***, Clendening JW*, Martirosyan A, Boutros PC, Bros C, Khosravi F, Jurisica I, Stewart AK, Bergsagel PL, Penn LZ (2007) Determinants of sensitivity to lovastatin-induced apoptosis in multiple myeloma. *Mol Cancer Ther* 6(6):1886-97. Impact Factor: 5.68 Citations: 34
26. **Wong WW***, Griffiths R*, Fletcher SP, Penn LZ, Langler RF (2005) Novel disulfides with antitumor efficacy and specificity. *Aust. J. of Chem.* 58(2):128-136. Impact Factor: 1.87 Citations: 8

Wong, W. Wei-Lynn: A) Peer-reviewed Publications

27. Wu J, **Wong WW**, Khosravi F, Minden MD, Penn LZ (2004). Blocking the Raf/MEK/ERK Pathway Sensitizes Tumor Cells to Lovastatin-Induced Apoptosis. *Cancer Res.* 64(18):6461-8. Impact Factor: 9.32 Citations: 163
28. Mao DYL, Watson J, Yan PS, Barsyte-Lovejoy D, Khosravi F, **Wong WW**, Farnham PJ, Huang TH, Penn LZ (2003). Analysis of Myc Bound Loci Identified by CpG Island Arrays Shows that Max Is Essential for Myc-Dependent Repression. *Curr. Biol.* 13(10): 882-6. Impact Factor: 9.57 Citations: 125
29. Xia Z, Tan MM, **Wong WW**, Dimitroulakos J, Minden MD, Penn LZ (2001). Blocking protein geranylgeranylation is essential for lovastatin-induced apoptosis of human acute myeloid leukemia cells. *Leukemia.* 15(9):1398-407. Impact Factor: 10.164 Citations: 142
30. **Wong WW***, Tan MM*, Xia Z, Dimitroulakos J, Minden MD, Penn LZ (2001). Cerivastatin triggers tumor-specific apoptosis with higher efficacy than lovastatin. *Clin Cancer Res.* 7(7):2067- 75. Impact Factor: 8.72 Citations: 109
31. **Wong WW**, Macdonald S, Langler RF, Penn LZ (2000). Novel synthetic organosulfur compounds induce apoptosis of human leukemic cells. *Anticancer Res.* 20(3A):1367-74. Impact Factor: 1.713 Citations: 28

*equal contribution.

Invited Reviews

1. Vasilikos L, Spilgies LM, Knop J, Wong WW. (2017) Inhibitors of apoptosis proteins regulate necroptosis, apoptosis and inflammation. *Immunology and Cell Biology* doi:10.1038/icb.2016.118. Citations: 3
2. **Wong WW** and Puthalakath H (2008). Bcl-2 Family Proteins: The sentinels of the mitochondrial apoptosis pathway *IUBMB*. 60(6):390-7. Impact Factor: 3.14 Citations: 109
3. Gerondakis S, Grumont R, Gugasyan R, **Wong L**, Isomura I, Ho W, Banerjee A (2006). Unravelling the complexities of the NF- κ B signalling pathway using mouse knockout and transgenic models. *Oncogene* 25(51):6781-99. Impact Factor: 8.45 Citations: 164
4. **Wong WW**, Dimitroulakos J, Minden MD, Penn LZ (2002). HMG-CoA reductase inhibitors and the malignant cell: the statin family of drugs as triggers of tumor-specific apoptosis. *Leukemia*. 16(4):508-19. Impact Factor: 10.43 Citations: 363

Other publications

1. **Wong WW**, Silke J (2009) Another facet of ubiquitylation: death. *J Mol Cell Biol* 1(2):80-1. ISI Impact Factor: 7.308 Citations: 2
2. Christensen ME, **Wong WW**, Waibel M, Johnstone RW, Waterhouse NJ (2012), Cell death research, on an island girt by sea. *Cell Death & Diff.* 19(6):1090-1. Impact Factor: 8.18 Citations: 0