

SCHOOL OF BIOMEDICAL SCIENCES
DEPT BIOCHEMISTRY & MOLECULAR BIOLOGY
RESEARCH PUBLICATIONS for 2010

1. **Alcock, F., Clements, A., Webb, C., and Lithgow, T.,** *PERSPECTIVES: Evolution: Tinkering inside the organelle.* Science 2010. **327**(5966): p. 649-50 Category: Multidisciplinary Sciences **Impact Factor: 29.747** Ranking: 2/48 [BCH]
2. **Allen, T.J., Leung, M., and Proske, U.,** *The effect of fatigue from exercise on human limb position sense.* J Physiol 2010. **588**(Pt 8): p. 1369-77 Category: Neurosciences **Impact Factor: 4.764** Ranking 43/230 [BCH]
3. Allingham, P.G., Greenwood, P.L., **Brown, T.J.,** and Harper, G.S., *Hyaluronan: is it a biomarker for adipose development with bovine muscle?* Anim Prod Sci 2010. **50**(2): p. 88-97 Category:: Pharmacology & Pharmacy **Impact Factor: 2.654** Ranking: 96/236 [BCH]
4. **Ambaye, N.D., Gunzburg, M.J., Lim, R.C.C., Price, J.T., Wilce, M.C., and Wilce, J.A.,** *Benzopyrazine derivatives: a novel class of Growth factor receptor bound protein 7 antagonists.* Bioorg Med Chem 2010. **E-pub:** p. 693-701 Category: Biochemistry & Molecular Biology **Impact Factor: 2.822** Ranking: 125/283 [BCH]
5. Ambaye, N.D., Lim, R.C.C., **Clayton, D.J., Gunzburg, M.J., Price, J.T.,** Pero, S.C., Krag, D.N., **Wilce, M.C., Aguilar, M.I.,** Perlmutter, P., and **Wilce, J.A.,** *Uptake of a cell permeable G7-18NATE construct into cells and binding with the Grb7-SH2 domain.* Biopolymers 2010. **83**(4): p. 549-557 Category: Biochemistry & Molecular Biology **Impact Factor: 2.605** Ranking: 139/283 [BCH]
6. Ang, C.S. and **Nice, E.C.,** *Targeted In-Gel MRM: A Hypothesis Driven Approach for Colorectal Cancer Biomarker Discovery in Human Feces.* J Proteome Res 2010. **9**(9): p. 4346-4355 Category: Biochemical Research Methods **Impact Factor: 5.132** Ranking: 8/65 [BCH]
7. Ang, C.S., **Phung, J., and Nice, E.C.,** *REVIEW: The discovery and validation of colorectal cancer biomarkers.* Biomed Chromatogr 2010. **E-pub:** p. 82-99 Category: Biochemistry & Molecular Biology **Impact Factor: 1.639** Ranking: 206/283 [BCH]
8. Anthony, D.A., Andrews, D.M., Chow, M., Watt, S.V., House, C., Akira, S., **Bird, P.I.,** Trapani, J.A., and Smyth, M.J., *A Role for Granzyme M in TLR4-Driven Inflammation and Endotoxemia.* J Immunol 2010. **185**(3): p. 1794-1803 Category: Immunology **Impact Factor: 5.646** Ranking: 18/128 [BCH]

9. **Anwari, K.**, Poggio, S., **Perry, A.**, Gatsos, X., Ramarathinam, S.H., Williamson, N.A., Noinaj, N., Buchanan, S., **Gabriel, K.**, Purcell, A.W., Jacobs-Wagner, C., and **Lithgow, T.**, *A modular BAM complex in the outer membrane of the alpha-proteobacterium *Caulobacter crescentus**. PLoS One 2010. **5**(1): p. e8619.1-e8619.8 Category: Biology **Impact Factor: 4.351** Ranking: 9/73 [BCH]

10. Bade-Doeding, C., **Theodossis, A.**, **Gras, S.**, Kjer-Nielsen, L., Eiz-Vesper, B., Seltsam, A., Huyton, T., **Rossjohn, J.**, McCluskey, J., and Blasczyk, R., *The impact of human leucocyte antigen (HLA) micropolymorphism on ligand specificity within the HLA-B*41 allotypic family*. Haematologica 2010. **E-pub**: p. 1-9 Category: Hematology **Impact Factor: 6.416** Ranking: 8/61 [BCH]

11. **Beddoe, T.**, Paton, A.W., **Le Nours, J.**, **Rossjohn, J.**, and Paton, J.C., *REVIEW: Structure, biological functions and applications of the AB(5) toxins*. Trends Biochem Sci 2010. **35**(7): p. 411-418 Category: Biochemistry & Molecular Biology **Impact Factor: 11.572** Ranking: 12/283 [BCH]

12. Benesch, J.L., Aquilina, J.A., Baldwin, A.J., Rekas, A., Stengel, F., Lindner, R.A., Basha, E., **Devlin, G.L.**, Horwitz, J., Vierling, E., Carver, J.A., and Robinson, C.V., *The quaternary organization and dynamics of the molecular chaperone HSP26 are thermally regulated*. Chem Biol 2010. **17**(9): p. 1008-17 Category: Biochemistry & Molecular Biology **Impact Factor: 6.523** Ranking: 32/283 [BCH]

13. **Bird, C.H.**, **Rizzitelli, A.**, **Harper, I.**, **Prescott, M.**, and **Bird, P.I.**, *SHORT COMMUNICATION: Use of Granzyme B-based fluorescent protein reporters to monitor granzyme distribution and granule integrity in live cells*. Biol Chem 2010. **391**(8): p. 999-1004 Category: Biochemistry & Molecular Biology **Impact Factor: 2.732** Ranking: 130/283 [BCH,MMI]

14. **Boon, W.C.**, **Chow, J.D.**, and **Simpson, E.R.**, *The multiple roles of estrogens and the enzyme aromatase*, in *Prog Brain Res*, GP Chrousos L Martini, F Labrie, K Pacak & DW Pfaff, Editors. 2010, Elsevier BV: The Netherlands. p. 209-32. **Book Chapter** [ANT,BCH]

15. **Bottomley, S.P.**, *The Folding Pathway of {alpha}1-Antitrypsin: Avoiding the Unavoidable*. Proc Am Thorac Soc 2010. **7**(6): p. 404-407 [BCH]

16. Brown, H.M., Dunning, K.R., Robker, R.L., Boerboom, D., **Pritchard, M.A.**, Lane, M., and Russell, D.L., *ADAMTS1 Cleavage of Versican Mediates Essential Structural Remodeling of the Ovarian Follicle and Cumulus-Oocyte Matrix During Ovulation in Mice*. Biol Reprod 2010. **83**(4): p. 549 Category: Reproductive Biology **Impact Factor: 3.300** Ranking: 5/26 [BCH,ANT]

17. **Brown, K.A.**, Hunger, N.I., Docanto, M., and **Simpson, E.R.**, *BRIEF REPORT: Metformin inhibits aromatase expression in human breast adipose stromal cells via stimulation of AMP-activated protein kinase*. *Breast Cancer Res Treat* 2010. **123**(5): p. 591-596 Category: Oncology **Impact Factor: 4.696** Ranking: 30/165 [BCH,PHY]

18. **Brown, K.A.** and **Simpson, E.R.**, *REVIEW: Obesity and breast cancer: progress to understanding the relationship*. *Cancer Res* 2010. **70**(1): p. 4-7 Category: Oncology **Impact Factor: 7.543** Ranking: 13/165 [PHY,BCH]

19. Bruhn, M.A., **Pearson, R.B.**, Hannan, R.D., and Sheppard, K.E., *Second AKT: The rise of SGK in cancer signalling*. *Growth Factors* 2010. **28**(6): p. 394-408 Category: Cell Biology **Impact Factor: 2.468** Ranking: 101/162 [BCH]

20. Burch, M.L., Ballinger, M.L., Yang, S.N.Y., Getachew, R., **Itman, C.**, **Loveland, K.L.**, Osman, N., and Little, P.J., *Thrombin stimulation of proteoglycan synthesis in vascular smooth muscle is mediated by PAR-1 transactivation of the Transforming Growth Factor β -Type I Receptor*. *J Biol Chem* 2010. **285**(35): p. 26798-26805 Category: Biochemistry & Molecular Biology **Impact Factor: 5.328** Ranking: 48/283 [BCH,ANT]

21. Burrows, S.R., Chen, Z., **Archbold, J.K.**, **Tynan, F.E.**, **Beddoe, T.**, Kjer-Nielsen, L., Miles, J.J., Khanna, R., Moss, D.J., **Liu, Y.C.**, **Gras, S.**, Kostenko, L., Brennan, R.M., **Clements, C.S.**, Brooks, A.G., Purcell, A.W., McCluskey, J., and **Rossjohn, J.**, *Hard wiring of T cell receptor specificity for the major histocompatibility complex is underpinned by TCR adaptability*. *Proc Natl Acad Sci USA* 2010. **107**(23): p. 10608-10613 Category: Multidisciplinary Sciences **Impact Factor: 9.432** Ranking: 3/48 [BCH]

22. Cameron, P.U., Saleh, S., Sallmann, G., Solomon, A., Wightman, F., Evans, V.A., Boucher, G., Haddad, E.K., Sekaly, R.P., Harman, A.N., Anderson, J.L., Jones, K.L., **Mak, J.**, Cunningham, A.L., Jaworowski, A., and Lewin, S.R., *Establishment of HIV-1 latency in resting CD4+ T cells depends on chemokine-induced changes in the actin cytoskeleton*. *Proc Natl Acad Sci USA* 2010. **107**(39): p. 16934-16939 Category: Multidisciplinary Sciences **Impact Factor: 9.432** Ranking: 3/50 [BCH]

23. **Chaisakul, J.**, **Konstantakopoulos, N.**, **Smith, A.I.**, and **Hodgson, W.C.**, *Isolation and characterisation of P-EPTX-Ap1a and P-EPTX-Ar1a: pre-synaptic neurotoxins from the venom of the northern (Acanthophis praelongus) and Irian Jayan (Acanthophis rugosus) death adders*. *Biochem Pharmacol* 2010. **80**(6): p. 895-902 Category: Pharmacology & Pharmacy **Impact Factor: 4.254** Ranking: 34/236 [PHARM,BCH]

24. Chand, A.L., **Herridge, K.A.**, Thompson, E.W., and **Clyne, C.D.**, *The orphan nuclear receptor LRH-1 promotes breast cancer motility and invasion*. *Endocr Relat Cancer* 2010. **17**(4): p. 965-75 Category: Oncology **Impact Factor: 4.282** Ranking: 39/166 [BCH]

25. **Clayton, D., Hanchapola, I., Hausler, N., Unabia, S., Lew, R.A., Widdop, R.E., Smith, A.I., Perlmutter, P., and Aguilar, M.I.,** *beta-amino acid substitution to investigate the recognition of angiotensin II (AngII) by angiotensin converting enzyme 2 (ACE2)*. J Mol Recognit 2010. **E-pub:** p. 1-10 Category: Biochemistry & Molecular Biology **Impact Factor: 2.776** Ranking: 129/283 [BCH,PHARM]
26. Cowley, D., **Gray, L.R., Wesselingh, S.L.,** Gorry, P.R., and Churchill, M.J., *Genetic and functional heterogeneity of CNS-derived tat alleles from patients with HIV-associated dementia*. J Neurovirol 2010. **E-pub:** p. 1-12 Category: Virology **Impact Factor: 2.336** Ranking: 18/30 [BCH]
27. **Crellin, P.K., Vivian, J.P., Scoble, J.,** Chow, F.M., West, N.P., **Brammananth, R., Proellocks, N.I., Shahine, A., Le Nours, J., Wilce, M.C.,** Britton, W.J., **Coppel, R.L., Rossjohn, J., and Beddoe, T.,** *Tetrahydrolipstatin inhibition, functional analyses and three dimensional structure of a lipase essential for mycobacterial viability*. J Biol Chem 2010. **285**(49): p. 30050-30060 Category: Biochemistry & Molecular Biology **Impact Factor: 5.328** Ranking: 48/283 [BCH,MICRO]
28. **Croxford, A.M., Crombie, D.,** McNaughton, D., Holmdahl, R., Nandakumar, K., and **Rowley, M.J.,** *Specific antibody protection of the extracellular cartilage matrix against collagen antibody-induced damage*. Arthritis Rheum 2010. **62**(11): p. 3374-3384 Category: Rheumatology **Impact Factor: 7.332** Ranking: 2/26 [BCH]
29. **D'Angelo, M.E., Bird, P.I.,** Peters, C., Reinheckel, T., Trapani, J.A., and Sutton, V.R., *Cathepsin H is an additional convertase of pro-granzyme B*. J Biol Chem 2010. **285**(27): p. 20514-20519 Category: Biochemistry & Molecular Biology **Impact Factor: 5.328** Ranking: 48/283 [BCH]
30. De Pinto, V., Messina, A., **Lane, D.J.,** and **Lawen, A.,** *REVIEW: Voltage-dependent anion-selective channel (VDAC) in the plasma membrane*. FEBS Lett 2010. **584**(9): p. 1793-9 Category: Biochemistry & Molecular Biology **Impact Factor: 3.541** Ranking: 93/283 [BCH]
31. Del Principe, D., Avigliano, L., Savini, I., and Catani, M.V., *COMPREHENSIVE INVITED REVIEW: Trans-Plasma Membrane Electron Transport in Mammals: Functional Significance in Health and Disease*. Antioxid Redox Signal 2010. **E-pub:** p. 1-102 Category: Biochemistry & Molecular Biology **Impact Factor: 7.581** Ranking: 25/283 [BCH]
32. Diavatopoulos, D.A., Short, K.R., **Price, J.T.,** Wilksch, J.J., Brown, L.E., Briles, D.E., Strugnell, R.A., and Wijburg, O.L., *Influenza A virus facilitates Streptococcus pneumoniae transmission and disease*. Faseb J 2010. **24**(6): p. 1789-1798 Category: Biochemistry & Molecular Biology **Impact Factor: 6.401** Ranking: 35/283 [BCH]

33. **Dolezal, P., Dagley, M.J.,** Kono, M., Woly nec, P., Likic, V.A., **Foo, J.H.,** Sedinova, M., Tachezy, J., Bachmann, A., Bruchhaus, I., and **Lithgow, T.,** *The essentials of protein import in the degenerate mitochondrion of Entamoeba histolytica.* PLoS Pathog 2010. **6**(3): p. e1000812 - 1-13 Category: Biology **Impact Factor: 8.978** Ranking: 7/94 [BCH]
34. **Du, A.T.,** Onan, D., Dinh, D.T., Lew, M.J., Ziogas, J., **Aguilar, M.I.,** Pattenden, L.K., and Thomas, W.G., *Ligand supported purification of the Urotensin-II receptor.* Mol Pharmacol 2010. **78**: p. 639-647 Category: Pharmacology & Pharmacy **Impact Factor: 4.531** Ranking: 28/236 [BCH]
35. Dudek, N.L., Perlmutter, P., **Aguilar, M.I.,** Croft, N.P., and Purcell, A.W., *Epitope Discovery and Their Use in Peptide Based Vaccines.* Curr Pharm Des 2010. **16**(28): p. 3148-3157 Category: Pharmacology & Pharmacy **Impact Factor: 4.414** Ranking: 29/236 [BCH]
36. Ewen, K. and **Boag, P.,** *RESEARCH HIGHLIGHTS: Meiotic crossover: what controls the breaks?* Asian J Androl 2010. **E-pub**: p. 1-2 Category: Andrology **Impact Factor: 1.688** Ranking: 3/6 [BCH]
37. **Fedele, C.G., Ooms, L.M., Ho, M., Vieuxseux, J.,** O'Toole, S.A., Millar, E.K., Lopez-Knowles, E., **Sriratana, A., Gurung, R.,** Baglietto, L., Giles, G.G., Bailey, C.G., Rasko, J.E., **Shields, B.J., Price, J.T.,** Majerus, P.W., Sutherland, R.L., Tiganis, T., McLean, C.A., and **Mitchell, C.A.,** *Inositol polyphosphate 4-phosphatase II regulates PI3K/Akt signaling and is lost in human basal-like breast cancers.* Proc Natl Acad Sci USA 2010. **107**(51): p. 22231-22236 Category: Multidisciplinary Sciences **Impact Factor: 9.432** Ranking: 3/50 [BCH]
38. Fernandes, S., Dringen, R., **Lawen, A.,** and Robinson, S.R., *Neurons express glutamine synthetase when deprived of glutamine or interaction with astrocytes.* J Neurochem 2010. **114**(5): p. 1527-1536 Category: Biochemistry & Molecular Biology **Impact Factor: 3.999** Ranking: 73/283 [BCH]
39. Fleming, N.I., Knowler, K.C., Lazarus, K.A., **Fuller, P.J., Simpson, E.R.,** and **Clyne, C.D.,** *Aromatase is a direct target of FOXL2: C134W in granulosa cell tumors via a single highly conserved binding site in the ovarian specific promoter.* PLoS One 2010. **5**(12): p. e14389 Category: Biology **Impact Factor: 4.351** Ranking: 10/76 [BCH]
40. **Foo, J.H.,** Culvenor, J.G., Ferrero, R.L., **Kwok, T., Lithgow, T.,** and **Gabriel, K.,** *Both the p33 and p55 subunits of the Helicobacter pylori vacuolating cytotoxin VacA are targeted to mammalian mitochondria.* J Mol Biol 2010. **401**(5): p. 792-798 Category: Biochemistry & Molecular Biology **Impact Factor: 3.871** Ranking 81/283 [BCH]

41. Forster, K., Turina, P., Drepper, F., Haehnel, W., Fischer, S., Graber, P., and **Petersen, J.**, *Proton transport coupled ATP synthesis by the purified yeast H⁺-ATP synthase in proteoliposomes*. *Biochim Biophys Acta - Energetics* 2010. **1797**(11): p. 1828-1837 Category: Biochemistry & Molecular Biology **Impact Factor: 3.688** Ranking: 87/283 [BCH]
42. **Friedman, L.**, *The history of the Australian Society for Biochemistry and Molecular Biology*. *IUBMB Life* 2010. **62**(7): p. 486-491 Category: Biochemistry & Molecular Biology **Impact Factor: 3.578** Ranking: 89/293 [BCH]
43. **Fukushima, A., Loh, K., Galic, S.,** Fam, B., **Shields, B., Wiede, F.,** Tremblay, M.L., **Watt, M.J.,** Andrikopoulos, S., and **Tiganis, T.**, *TCPTP attenuates STAT3 and insulin signaling in the liver to regulate gluconeogenesis*. *Diabetes* 2010. **59**(8): p. 1906-1914 Category: Endocrinology & Metabolism **Impact Factor: 8.505** Ranking: 4/105 [BCH,PHY]
44. **Fulcher, A.J., Dias, M.M.,** and **Jans, D.A.**, *Binding of p110 retinoblastoma protein inhibits nuclear import of simian virus SV40 large tumour antigen*. *J Biol Chem* 2010. **285**(23): p. 17744-17753 Category: Biochemistry & Molecular Biology **Impact Factor: 5.328** Ranking: 48/283 [BCH]
45. **Gibbs, M.E.** and **Bowser, D.N.**, *Astrocytic adrenoceptors and learning: alpha(1)-Adrenoceptors*. *Neurochem Int* 2010. **57**(4): p. 404-410 Category: Biochemistry & Molecular Biology **Impact Factor: 3.541** Ranking: 93/283 [ANT,BCH]
46. Gibbs, P., Clingan, P.R., Ganju, V., Strickland, A.H., Wong, S.S., Tebbutt, N.C., Underhill, C.R., Fox, R.M., **Clavant, S.P., Leung, J., Pho, M.,** and **Brown, T.J.**, *Hyaluronan-Irinotecan improves progression-free survival in 5-fluorouracil refractory patients with metastatic colorectal cancer: a randomized phase II trial*. *Cancer Chemother Pharmacol* 2010. **E-pub**: p. 153-163 Category: Pharmacology & Pharmacy **Impact Factor: 2.654** Ranking: 96/236 [BCH]
47. Godfrey, D.I., **Rossjohn, J.**, and McCluskey, J., *NEWS & VIEWS Fighting infection with your MAITs*. *Nat Immunol* 2010. **11**(8): p. 693-5 Category: Immunology **Impact Factor: 26.000** Ranking: 3/128 [BCH]
48. **Gras, S.,** Chen, Z., Miles, J.J., **Liu, Y.C.,** Bell, M.J., Sullivan, L.C., Kjer-Nielsen, L., Brennan, R.M., Burrows, J.M., Neller, M.A., Khanna, R., Purcell, A.W., Brooks, A.G., McCluskey, J., **Rossjohn, J.**, and Burrows, S.R., *Allelic polymorphism in the T cell receptor and its impact on immune responses*. *J Exp Med* 2010. **207**(7): p. 1555-67 Category: Immunology **Impact Factor: 14.505** Ranking: 5/128 [BCH]

49. **Gras, S., Kedzierski, L., Valkenburg, S.A., Laurie, K., Liu, Y.C., Denholm, J.T., Richards, M.J., Rimmelzwaan, G.F., Kelso, A., Doherty, P.C., Turner, S.J., Rossjohn, J., and Kedzierska, K.,** *Cross-reactive CD8+ T-cell immunity between the pandemic H1N1-2009 and H1N1-1918 influenza A viruses.* Proc Natl Acad Sci USA 2010. **107**(28): p. 12599-604 Category: Multidisciplinary Sciences **Impact Factor: 9.432** Ranking: 3/48 [BCH]
50. **Gray, L.R., Gabuzda, D., Cowley, D., Ellett, A., Chiavaroli, L., Wesselingh, S.L., Churchill, M.J., and Gorry, P.R.,** *CD4 and MHC class 1 down-modulation activities of nef alleles from brain- and lymphoid tissue-derived primary HIV-1 isolates.* J Neurovirol 2010. **E-pub:** p. 1-10 Category: Virology **Impact Factor: 2.336** Ranking: 18/30 [BCH]
51. **Gunzburg, M.J., Ambaye, N.D., Hertzog, J.T., Del Borgo, M.P., Pero, S.C., Krag, D.N., Wilce, M.C., Aguilar, M.I., Perlmutter, P., and Wilce, J.A.,** *Use of SPR to Study the Interaction of G7-18NATE Peptide with the Grb7-SH2 Domain.* Int J Pept Res Ther 2010. **16**(3): p. 177-184 Category: Biochemistry & Molecular Biology **Impact Factor: 0.869** Ranking: 252/283 [BCH]
52. **Hall, K. and Aguilar, M.I.,** *Surface plasmon resonance spectroscopy for studying the membrane binding of antimicrobial peptides,* in *Methods in Molecular Biology – Surface Plasmon Resonance*, MJE Fischer NJ de Mol, Editor. 2010, Springer: India. p. 213-223. **Book Chapter** [BCH]
53. **Hall, K., Lee, T.H., and Aguilar, M.I.,** *The role of electrostatic interactions in the membrane binding of melittin.* J Mol Recognition 2010. **E-pub:** p. 1-11 Category: Biochemistry & Molecular Biology **Impact Factor: 2.776** Ranking: 129/283 [BCH]
54. Hardy, C.L., Lemasurier, J.S., **Olsson, F.,** Dang, T., Yao, J., Yang, M., Plebanski, M., Phillips, D.J., **Mollard, R.,** Rolland, J.M., and O'Hehir, R.E., *Interleukin-13 regulates secretion of the tumor growth factor- β superfamily cytokine activin A in allergic airway inflammation.* Am J Respir Cell Mol Biol 2010. **42**(6): p. 667-75 Category: Biochemistry & Molecular Biology **Impact Factor: 4.319** Ranking: 67/283 [BCH]
55. **Hatfaludi, T., Al-Hasani, K., Boyce, J.D., and Adler, B.,** *REVIEW: Outer membrane proteins of Pasteurella multocida.* Vet Microbiol 2010. **144**(1-2): p. 1-17 Category: Veterinary Sciences **Impact Factor: 2.874** Ranking: 4/140 [BCH,MICRO]
56. Heffernan, C., Whiley, P.A., Milionis, A., Verma, P.J., Holland, M.K., **Jans, D.A.,** and D'Cruz, N.T., *Lineage-specific expression of heterochromatin protein 1gamma in post-compactation, in vitro-produced bovine embryos.* Reprod Fertil Dev 2010. **22**(6): p. 1022-31 Category: Developmental Biology **Impact Factor: 2.379** Ranking: 21/35 [BCH]

57. Henriques, S.T., Castanho, M.A., Pattenden, L.K., and **Aguilar, M.I.**, *Fast membrane association is a crucial factor in the peptide pep-1 translocation mechanism: A kinetic study followed by surface plasmon resonance*. Biopolymers 2010. **94**(3): p. 314-322 Category: Biochemistry & Molecular Biology **Impact Factor: 1.807** Ranking: 198/283 [BCH]
58. Hewitt, C.A., Ling, K.H., Merson, T.D., Simpson, K.M., Ritchie, M.E., King, S.L., **Pritchard, M.A.**, Smyth, G.K., Thomas, T., Scott, H.S., and Voss, A.K., *Gene network disruptions and neurogenesis defects in the adult Ts1Cje mouse model of Down syndrome*. PLoS One 2010. **5**(7): p. e11561.1-15 Category: Biology **Impact Factor: 4.351** Ranking: 9/73 [BCH]
59. **Hewitt, V., Alcock, F., and Lithgow, T.**, *REVIEW: Minor modifications and major adaptations: The evolution of molecular machines driving mitochondrial protein import*. Biochim Biophys Acta 2010. **E-pub**: p. 1-8 Category: Biochemistry & Molecular Biology **Impact Factor: 3.998** Ranking: 74/283 [BCH]
60. **Higgins, G.C.**, Beart, P.M., Shin, Y.S., Chen, M.J., Cheung, N.S., and **Nagley, P.**, *Oxidative Stress: Emerging Mitochondrial and Cellular Themes and Variations in Neuronal Injury*. J Alzheimers Dis 2010. **20**(Suppl 2): p. 453-473 Category: Neurosciences **Impact Factor: 3.832** Ranking: 64/230 [BCH]
61. Himanen, J.P., Yermekbayeva, L., Janes, P.W., Walker, J.R., Xu, K., Atapattu, L., Rajashankar, K.R., Mensinga, A., **Lackmann, M.**, Nikolov, D.B., and Dhe-Paganon, S., *Architecture of Eph receptor clusters*. Proc Natl Acad Sci USA 2010. **107**(24): p. 10860-10865 Category: Multidisciplinary Sciences **Impact Factor: 9.432** Ranking: 3/48 [BCH]
62. **Hou, X.**, Small, D.H., and **Aguilar, M.I.**, *Surface plasmon resonance spectroscopy in determination of the interactions between amyloid beta proteins (Abeta) and lipid membranes*, in *Methods in Molecular Biology - Surface Plasmon Resonance*, MJE Fischer NJ de Mol, Editor. 2010, Springer: India. p. 225-235. **Book Chapter** [BCH]
63. Hoy, W.E., Hughson, M.D., **Zimanyi, M., Samuel, T., Douglas-Denton, R.**, Holden, L., Mott, S., and **Bertram, J.F.**, *Distribution of volumes of individual glomeruli in kidneys at autopsy: association with age, nephron number, birth weight and body mass index*. Clin Nephrol 2010. **74**(S1): p. 105-112 Category: Urology & Nephrology **Impact Factor: 1.373** Ranking: 43/63 [BCH]
64. Huntington, J.A. and **Whisstock, J.C.**, *Molecular contortionism - on the physical limits of serpin 'loop-sheet' polymers*. Biol Chem 2010. **391**(8): p. 973-82 Category: Biochemistry & Molecular Biology **Impact Factor: 2.732** Ranking: 130/283 [BCH]

65. **Hutton, M.L., Kaparakis-Liaskos, M., Turner, L., Cardona, A., Kwok, T., and Ferrero, R.L.,** *Helicobacter pylori exploits cholesterol-rich microdomains for induction of NF- κ B-dependent responses and peptidoglycan delivery in epithelial cells.* Infect Immun 2010. **78**(11): p. 4523-4531 Category: Immunology **Impact Factor: 4.205** Ranking: 27/128 [BCH,MICRO]
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