

**BIOCHEMISTRY & MOLECULAR BIOLOGY**  
**2012 RESEARCH PUBLICATIONS**

1. Aljofan, M., H. Singh, **H. Ho**, S. Xie, Y. Zhu, Z. Sun, X. Guo, **J. Wang**, and G. Nie, *Inhibition of proprotein convertase 5/6 activity: potential for nonhormonal women-centered contraception*. *Contraception*, 2012. **85**(6): p. 602-610 Category: Obstetrics & Gynecology **Impact Factor: 2.724** Ranking: 14/79 [**BCH**]
2. **Alonso, H.** and **A. Roujeinikova**, *Characterization and two-dimensional crystallization of membrane component AlkB of the medium-chain alkane hydroxylase system from *Pseudomonas putida* GPo1*. *Appl Environ Microbiol*, 2012. **78**(22): p. 7946-7953 Category: Microbiology **Impact Factor: 3.829** Ranking: 28/114 [**MICRO,BCH**]
3. Andrews, D.M., L.C. Sullivan, N. Baschuk, C.J. Chan, **R. Berry**, C.L. Cotterell, J. Lin, H. Halse, S.V. Watt, J. Poursine-Laurent, C.R. Wang, A.A. Scalzo, W.M. Yokoyama, **J. Rossjohn**, A.G. Brooks, and M.J. Smyth, *Recognition of the nonclassical MHC class I molecule H2-M3 by the receptor Ly49A regulates the licensing and activation of NK cells*. *Nat Immunol*, 2012. **13**(12): p. 1171-1177 Category: Immunology **Impact Factor: 26.008** ranking: 3/139 [**BCH**]
4. **Anwari, K.**, **C.T. Webb**, S. Poggio, **A.J. Perry**, **M. Belousoff**, **N. Celik**, **G. Ramm**, A. Lovering, R.E. Sockett, J. Smit, C. Jacobs-Wagner, and **T. Lithgow**, *The evolution of new lipoprotein subunits of the bacterial outer membrane BAM complex*. *Mol Microbiol*, 2012. **84**(5): p. 632-644 Category: Biochemistry & Molecular Biology **Impact Factor: 5.010** Ranking: 55/289 [**BCH**]
5. **Archbold, J.K.**, J.U. Flanagan, H.A. Watkins, J.J. Gingell, and D.L. Hay, *Structural insights into RAMP modification of secretin family G protein-coupled receptors: implications for drug development*. *Trends Pharmacol Sci*, 2012. **32**(10): p. 591-600 Category: Pharmacology & Pharmacy **Impact Factor: 10.927** Ranking: 5/261 [**BCH**]
6. Astle, M.V., K.M. Hannan, P.Y. Ng, R.S. Lee, A.J. George, A.K. Hsu, Y. Haupt, **R.D. Hannan**, and **R.B. Pearson**, *AKT induces senescence in human cells via mTORC1 and p53 in the absence of DNA damage: implications for targeting mTOR during malignancy*. *Oncogene*, 2012. **31**(15): p. 1949-1962 Category: Oncology **Impact Factor: 6.373** Ranking: 18/194 [**BCH**]
7. Atkinson, S.C., C. Dogovski, M.T. Downton, F.G. Pearce, **C.F. Reboul**, **A.M. Buckle**, J.A. Gerrard, R.C. Dobson, J. Wagner, and M.A. Perugini, *Crystal, Solution and In silico Structural Studies of Dihydrodipicolinate Synthase from the Common Grapevine*. *PLoS One*, 2012. **7**(6): p. e38318 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [**BCH**]

8. Babon, J.J., N.J. Kershaw, J.M. Murphy, L.N. Varghese, A. Laktyushin, S.N. Young, **I.S. Lucet**, R.S. Norton, and N.A. Nicola, *Suppression of cytokine signaling by SOCS3: characterization of the mode of inhibition and the basis of its specificity*. *Immunity*, 2012. **36**(2): p. 239-250 Category: Immunology **Impact Factor: 21.637** Ranking: 4/139 [**BCH**]
9. Baldi, D.L., E.E. Higginson, D.M. Hocking, J. Praszker, R. Cavaliere, C.E. James, V. Bennett-Wood, K.I. Azzopardi, L. Turnbull, **T. Lithgow**, R.M. Robins-Browne, C.B. Whitchurch, and M. Tauschek, *The type II secretion system and its ubiquitous lipoprotein substrate, SslE, are required for biofilm formation and virulence of enteropathogenic Escherichia coli*. *Infect Immun*, 2012. **80**(6): p. 2042-2052 Category: Infectious Diseases **Impact Factor: 4.165** Ranking: 12/70 [**BCH**]
10. **Bantwal, R., T.L. Bannam, C.J. Porter, N.S. Quinsey, D. Lyras, V. Adams, and J.I. Rood**, *The peptidoglycan hydrolase TcpG is required for efficient conjugative transfer of pCW3 in Clostridium perfringens*. *Plasmid*, 2012. **67**(2): p. 139-147 Category: Genetics & Heredity **Impact Factor: 1.516** Ranking: 122/158 [**MICRO,BCH**]
11. Barakat, B., **C. Itman**, S.H. Mendis, and **K.L. Loveland**, *REVIEW: Activins and inhibins in mammalian testis development: New models, new insights*. *Mol Cell Endocrinol*, 2012. **359**(1-2): p. 66-77 Category: Cell Biology **Impact Factor: 4.192** Ranking: 64/180 [**BCH,ANT**]
12. **Baratchi, S.**, J. Evans, W.P. Tate, W.C. Abraham, and B. Connor, *Secreted amyloid precursor proteins promote proliferation and glial differentiation of adult hippocampal neural progenitor cells*. *Hippocampus*, 2012. **22**(7): p. 1517-1527 Category: Neurosciences **Impact Factor: 5.176** Ranking: 37/243 [**BCH**]
13. Barker, A., M.R. Epis, **C.J. Porter**, B.R. Hopkins, **M.C. Wilce, J.A. Wilce**, K.M. Giles, and P.J. Leedman, *Sequence requirements for RNA binding by HuR and AUF1*. *J Biochem*, 2012. **151**(4): p. 423-437 Category: Biochemistry & Molecular Biology **Impact Factor: 2.371** Ranking:180/289 [**BCH**]
14. Barter, E.F. and **M.J. Stone**, *Synergistic interactions between chemokine receptor elements in recognition of interleukin-8 by soluble receptor mimics*. *Biochemistry*, 2012. **51**(6): p. 1322-1331 Category: Biochemistry & Molecular Biology **Impact Factor: 3.422** Ranking: 106/289 [**BCH**]
15. Barwell, J., J.J. Gingell, H.A. Watkins, **J.K. Archbold**, D.R. Poyner, and D.L. Hay, *Calcitonin and calcitonin receptor-like receptors: common themes with family B GPCRs?* *Br J Pharmacol*, 2012. **166**(1): p. 51-65 Category: Pharmacology & Pharmacy **Impact Factor: 4.409** Ranking: 35/261 [**BCH**]

16. **Battad, J.M., D.A. Traore, E. Byres, J. Rossjohn, R.J. Devenish, S. Olsen, M.C. Wilce, and M. Prescott**, *A Green Fluorescent Protein Containing a QFG Tri-Peptide Chromophore: Optical Properties and X-Ray Crystal Structure*. PLoS One, 2012. **7**(10): p. e47331.1-14 Category: Biology **Impact Factor: 4.092** Ranking: 12/85 [**BCH**]
17. Bharadwaj, M., P. Illing, A. Theodossis, **A.W. Purcell, J. Rossjohn**, and J. McCluskey, *Drug hypersensitivity and human leukocyte antigens of the major histocompatibility complex*. Annu Rev Pharmacol Toxicol, 2012. **52**: p. 401-431 Category: Pharmacology & Pharmacy **Impact Factor: 21.639** Ranking: 2/261 [**BCH**]
18. **Bhati, M.**, C. Lee, M.S. Gadd, C.M. Jeffries, A. Kwan, A.E. Whitten, J. Trehwella, J.P. Mackay, and J.M. Matthews, *Solution Structure of the LIM-Homeodomain Transcription Factor Complex Lhx3/Ldb1 and the Effects of a Pituitary Mutation on Key Lhx3 Interactions*. PLoS One, 2012. **7**(7): p. e40719.1-9 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [**BCH**]
19. **Bird, C.H., C. Hitchen, M. Prescott, I. Harper, and P.I. Bird**, *Immunodetection of granzyme B tissue distribution and cellular localisation*, in *Methods Mol Biol*, J.M. Walker, Editor. 2012, Humana Press: USA. p. 237-50 **Book Chapter** [**BCH,MMI**]
20. **Brait, V.H., K.R. Martin, A. Corlett, B.R. Broughton, H.A. Kim, J. Thundyil, G.R. Drummond, T.V. Arumugam, M.A. Pritchard, and C.G. Sobey**, *Over-Expression of DSCR1 Protects against Post-Ischemic Neuronal Injury*. PLoS One, 2012. **7**(10): p. e47841.1-8 Category: Biology **Impact Factor: 4.092** Ranking: 12/85 [**PHARM,BCH**]
21. Brennan, R.M., **J. Petersen, M.A. Neller, J.J. Miles, J.M. Burrows, C. Smith, J. McCluskey, R. Khanna, J. Rossjohn**, and S.R. Burrows, *The impact of a large and frequent deletion in the human TCR beta locus on antiviral immunity*. J Immunol, 2012. **188**(6): p. 2742-2748 Category: Immunology **Impact Factor: 5.788** Ranking: 20/139 [**BCH**]
22. **Broughton, S.E., J. Petersen, A. Theodossis, S.W. Scally, K.L. Loh, A. Thompson, J. van Bergen, Y. Kooy-Winkelaar, K.N. Henderson, T. Beddoe, J.A. Tye-Din, S.I. Mannering, A.W. Purcell, J. McCluskey, R.P. Anderson, F. Koning, H.H. Reid, and J. Rossjohn**, *Biased T Cell Receptor Usage Directed against Human Leukocyte Antigen DQ8-Restricted Gliadin Peptides Is Associated with Celiac Disease*. Immunity, 2012. **37**(4): p. 611-621 Category: Immunology **Impact Factor: 21.637** Ranking: 4/139 [**BCH**]
23. **Brown, K.A. and E.R. Simpson**, *Obesity and Breast Cancer: mechanisms and therapeutic implications*. Front Biosci (Elite Ed), 2012. **4**: p. 2515-2524 [**PHY,BCH**]

24. Bulek, A.M., D.K. Cole, A. Skowera, G. Dolton, **S. Gras**, F. Madura, A. Fuller, J.J. Miles, E. Gostick, D.A. Price, J.W. Drijfhout, R.R. Knight, G.C. Huang, N. Lissin, P.E. Molloy, L. Wooldridge, B.K. Jakobsen, **J. Rossjohn**, M. Peakman, P.J. Rizkallah, and A.K. Sewell, *Structural basis for the killing of human beta cells by CD8(+) T cells in type 1 diabetes*. Nat Immunol, 2012. **13**(3): p. 283-9 Category: Immunology **Impact Factor: 26.008** Ranking: 3/139 **[BCH]**
25. Bywater, M.J., G. Poortinga, E. Sanij, N. Hein, A. Peck, C. Cullinane, M. Wall, L. Cluse, D. Drygin, K. Anderes, N. Huser, C. Proffitt, J. Bliesath, M. Haddach, M.K. Schwaebe, D.M. Ryckman, W.G. Rice, C. Schmitt, S.W. Lowe, R.W. Johnstone, **R.B. Pearson**, G.A. McArthur, and **R.D. Hannan**, *Inhibition of RNA Polymerase I as a Therapeutic Strategy to Promote Cancer-Specific Activation of p53*. Cancer Cell, 2012. **22**(1): p. 51-65 Category: Oncology **Impact Factor: 26.566** Ranking: 3/180 **[BCH]**
26. **Caly, L., K.M. Wagstaff**, and **D.A. Jans**, *COMMENTARY: Nuclear trafficking of proteins from RNA viruses: potential target for antivirals?* Antiviral Res, 2012. **95**(3): p. 202-206 Category: Virology **Impact Factor: 4.301** Ranking: 7/32 **[BCH]**
27. **Celik, N., C.T. Webb, D.L. Leyton**, K.E. Holt, **E. Heinz, R. Gorrell, T. Kwok, T. Naderer**, R.A. Strugnell, T.P. Speed, R.D. Teasdale, V.A. Likic, and **T. Lithgow**, *A bioinformatic strategy for the detection, classification and analysis of bacterial autotransporters*. PLoS One, 2012. **7**(8): p. e43245.1-15 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 **[BCH,MICRO]**
28. Chen, A.T., M. Cornberg, **S. Gras**, C. Guillonneau, **J. Rossjohn**, A. Trees, S. Emonet, J.C. de la Torre, R.M. Welsh, and L.K. Selin, *Loss of anti-viral immunity by infection with a virus encoding a cross-reactive pathogenic epitope*. PLoS Pathog, 2012. **8**(4): p. e1002633 Category: Microbiology **Impact Factor: 9.127** Ranking: 9/112 **[BCH]**
29. Chiu, E., **F. Coulibaly**, and P. Metcalf, *Insect virus polyhedra, infectious protein crystals that contain virus particles*. Curr Opin Struct Biol, 2012. **22**(2): p. 234-40 Category: Biochemistry & Molecular Biology **Impact Factor: 9.424** Ranking: 19/290 **[BCH]**
30. **Conduit, S.E., J.M. Dyson**, and **C.A. Mitchell**, *REVIEW: Inositol polyphosphate 5-phosphatases; new players in the regulation of cilia and ciliopathies*. FEBS Lett, 2012. **586**(18): p. 2846-2857 Category: Biochemistry & Molecular Biology **Impact Factor: 3.538** Ranking: 102/289 **[BCH]**
31. **Coulibaly, F.**, *REVIEW: Les polyedres viraux: armures cristallines des virus d'insectes*. Virologie, 2012. **16**(3): p. 134-147 Category: Virology **Impact Factor: 0.127** Ranking: 32/32 **[BCH]**

32. **Coulibaly, F.**, E. Lassalle, H.M. Baker, and E.N. Baker, *Structure of phosphoserine aminotransferase from Mycobacterium tuberculosis*. Acta Crystallogr D Biol Crystallogr, 2012. **68**(Pt 5): p. 553-563 Category: Crystallography **Impact Factor: 12.619** Ranking: 1/25 [BCH]
33. Coulthard, M.G., M. Morgan, T.M. Woodruff, T.V. Arumugam, S.M. Taylor, T.C. Carpenter, **M. Lackmann**, and A.W. Boyd, *REVIEW: Eph/Ephrin signaling in injury and inflammation*. Am J Pathol, 2012. **181**(5): p. 1493-1503 Category: Pathology **Impact Factor: 4.890** Ranking: 6/79 [BCH]
34. Czech, D.P., J. Lee, H. Sim, C.L. Parish, E. Vilain, and **V.R. Harley**, *The human testis-determining factor SRY localizes in midbrain dopamine neurons and regulates multiple components of catecholamine synthesis and metabolism*. J Neurochem, 2012. **122**(2): p. 260-271 Category: Neurosciences **Impact Factor: 4.061** Ranking: 59/244 [BCH]
35. **D'Angelo, M.E.**, **M.A. Dunstone**, **J.C. Whisstock**, J.A. Trapani, and **P.I. Bird**, *Perforin evolved from a gene duplication of MPEG1, followed by a complex pattern of gene gain and loss within Euteleostomi*. BMC Evol Biol, 2012. **12**(1): p. 1-28 Category: Genetics & Heredity **Impact Factor: 3.521** Ranking: 47/157 [BCH,MICRO]
36. **Davies, E.M.**, **D.A. Sheffield**, P. Tibarewal, **C.G. Fedele**, **C.A. Mitchell**, and N.R. Leslie, *The PTEN and Myotubularin Phosphoinositide 3-Phosphatases: Linking Lipid Signalling to Human Disease*, in *Subcell Biochem*, T. Balla, M. Wymann, and J.D. York, Editors. 2012, Springer: USA. p. 281-336 **Book Chapter** [BCH]
37. **Davis, E.A.**, **Y. Hodgson**, and **J.O. Macaulay**, *Engagement of students with lectures in biochemistry and pharmacology*. Bioch Mol Biol Educ, 2012. **40**(5): p. 300-309 Category: Education, Scientific Disciplines **Impact Factor: 0.840** Ranking: 20/33 [PHARM,BST,BCH]
38. **Devenish, R.J.** and D.J. Klionsky, *Autophagy: mechanism and physiological relevance 'brewed' from yeast studies*. Front Biosci (Schol Ed), 2012. **4**: p. 1354-1363 Category: Biochemistry & Molecular Biology **Impact Factor: 3.520** Ranking: 104/289 [BCH]
39. **Dolezal, P.**, M. Aili, **J. Tong**, **J.H. Jiang**, C.M.T. Marobbio, S.F. Lee, R. Schuelein, S. Belluzzo, E. Binova, A. Mousnier, G. Frankel, G. Giannuzzi, F. Palmieri, **K. Gabriel**, **T. Naderer**, E.L. Hartland, and **T. Lithgow**, *Legionella pneumophila Secretes a Mitochondrial Carrier Protein during Infection*. PLoS Pathog, 2012. **8**(1): p. e1002459 Category: Microbiology **Impact Factor: 9.127** Ranking: 9/112 [BCH]
40. **Duncan, R.C.**, F. Bergstrom, T.H. Coetzer, A.M. Blom, **L.C. Wijeyewickrema**, and **R.N. Pike**, *Multiple domains of MASP-2, an initiating complement protease, are required for interaction with its substrate C4*. Mol Immunol, 2012. **49**(4): p. 593-600 Category: Biochemistry & Molecular Biology **Impact Factor: 2.897** Ranking: 137/289 [BCH]

41. **Duncan, R.C.**, F. Mohlin, D. Taleski, T.H. Coetzer, J.A. Huntington, R.J. Payne, A.M. Blom, **R.N. Pike**, and **L.C. Wijeyewickrema**, *Identification of a catalytic exosite for complement component c4 on the serine protease domain of c1s*. J Immunol, 2012. **189**(5): p. 2365-2373 Category: Immunology **Impact Factor: 5.788** Ranking: 20/139 [**BCH**]
42. **Dunstone, M.A.** and R.K. Tweten, *Packing a punch: the mechanism of pore formation by cholesterol dependent cytolysins and membrane attack complex/perforin-like proteins*. Curr Opin Struct Biol, 2012. **22**(3): p. 342-349 Category: Biochemistry & Molecular Biology **Impact Factor: 9.424** Ranking: 19/289 [**BCH,MICRO**]
43. **Dyson, J.M.**, **C.G. Fedele**, **E.M. Davies**, **J. Becanovic**, and **C.A. Mitchell**, *Phosphoinositide phosphatases: just as important as the kinases*, in *Subcell Biochem*, T. Balla, M. Wymann, and J.D. York, Editors. 2012, Springer: USA. p. 215-79 **Book Chapter** [**BCH**]
44. **Ellisdon, A.M.** and M. Stewart, *Structural biology of the PCI-protein fold*. Bioarchitecture, 2012. **2**(4): p. 1-6 [**BCH**]
45. Francois, M., K. Short, G.A. Secker, A.S. Combes, Q., T.-L. Davidson, **I. Smyth**, Y.-K. Hong, N.L. Harvey, and P. Koopman, *Segmental territories along the cardinal veins generate lymph sacs via a ballooning mechanism during embryonic lymphangiogenesis in mice*. Dev Biol, 2012. **364**(2): p. 89-98 Category: Developmental Biology **Impact Factor: 4.069** Ranking: 7/40 [**BCH**]
46. Friedrich, F.W., B.R. Wilding, S. Reischmann, C. Crocini, P. Lang, P. Charron, O.J. Muller, **M.J. McGrath**, I. Vollert, A. Hansen, W.A. Linke, C. Hengstenberg, G. Bonne, S. Morner, T. Wichter, H. Madeira, E. Arbustini, T. Eschenhagen, **C.A. Mitchell**, R. Isnard, and L. Carrier, *Evidence for FHL1 as a novel disease gene for isolated hypertrophic cardiomyopathy*. Hum Mol Genet, 2012. **21**(14): p. 3237-3254 Category: Biochemistry & Molecular Biology **Impact Factor: 7.636** Ranking: 31/289 [**BCH**]
47. **Gabriel, K.**, *COMMENTARY: Connecting the Points: Revealing the Bigger Picture*. J Mol Biol, 2012. **422**(2): p. 181-182 Category: Biochemistry & Molecular Biology **Impact Factor: 4.001** Ranking: 80/289 [**BCH**]
48. Gasperini, R.J., D.W. Klaver, X. Hou, **M.I. Aguilar**, and D.H. Small, *Mechanisms of transthyretin aggregation and toxicity*, in *Subcell Biochem*, J. Harris, Editor. 2012, Springer: USA. p. 211-224 **Book Chapter** [**BCH**]
49. **Gatsos, X.**, **D.L. Steer**, T.A. Junaid, **A.I. Smith**, **B. Adler**, and M.J. Albert, *Application of protein purification methods for the enrichment of a cytotoxin from Campylobacter jejuni*. BMC Microbiol, 2012. **12**: p. 0-9 Category: Microbiology **Impact Factor: 3.044** Ranking: 43/114 [**MICRO,BCH**]

50. Gazarian, K.G., C.F. Solis, T.G. Gazarian, **M.J. Rowley**, and J.P. Lacleste, *Synthetic peptide-targeted selection of phage display mimotopes highlights immunogenic features of alpha-helical vs non-helical epitopes of Taenia solium paramyosin: implications for parasite- and host-protective roles of the protein*. Peptides, 2012. **34**(1): p. 232-41 Category: Biochemistry & Molecular Biology **Impact Factor: 2.434** Ranking: 177/289 [BCH]
51. Georgy, S.R., C.N. Pagel, A. Ghasem-Zadeh, R.M. Zebaze, **R.N. Pike**, N.A. Sims, and E.J. Mackie, *Proteinase-activated receptor-2 is required for normal osteoblast and osteoclast differentiation during skeletal growth and repair*. Bone, 2012. **50**(3): p. 704-12 Category: Endocrinology & Metabolism **Impact Factor: 4.023** Ranking: 34/121 [BCH]
52. **Ghildyal, R., D.A. Jans**, P.G. Bardin, and J. Mills, *Protein-protein interactions in RSV assembly: potential targets for attenuating RSV strains*. Infect Disord Drug Targets, 2012. **12**(2): p. 103-109 [BCH]
53. **Gong, L., R.J. Devenish**, and **M. Prescott**, *CRITICAL REVIEW: Autophagy as a macrophage response to bacterial infection*. IUBMB Life, 2012. **64**(9): p. 740-747 Category: Biochemistry & Molecular Biology **Impact Factor: 3.514** Ranking: 105/289 [BCH]
54. **Gong, L., G. Ramm, R.J. Devenish**, and **M. Prescott**, *HcRed, a Genetically Encoded Fluorescent Binary Cross-Linking Agent for Cross-Linking of Mitochondrial ATP Synthase in Saccharomyces cerevisiae*. PLoS One, 2012. **7**(4): p. e35095 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [BCH,MMI]
55. **Gopalan, R.D., M.P. Del Borgo**, Y.E. Bergman, **S. Unabia**, R.J. Mulder, **M.C. Wilce, J.A. Wilce, M.I. Aguilar**, and P. Perlmutter, *Conformational stability studies of a stapled hexa-beta(3)-peptide library*. Org Biomol Chem, 2012. **10**(9): p. 1802-1806 Category: Chemistry, Organic **Impact Factor: 3.696** Ranking: 11/56 [BCH]
56. **Gouklani, H., R.A. Bull, C. Beyer, F. Coulibaly**, E.J. Gowans, **H.E. Drummer, H.J. Netter**, P.A. White, and **G. Haqshenas**, *Hepatitis C Virus Nonstructural Protein 5B Is Involved in Virus Morphogenesis*. J Virol, 2012. **86**(9): p. 5080-5088 Category: Virology **Impact Factor: 5.402** Ranking: 6/32 [MICRO,BCH]
57. **Gras, S., S.R. Burrows, S.J. Turner, A.K. Sewell, J. McCluskey**, and **J. Rossjohn**, *A structural voyage toward an understanding of the MHC-I-restricted immune response: lessons learned and much to be learned*. Immunol Rev, 2012. **250**(1): p. 61-81 Category: Immunology **Impact Factor: 11.148** Ranking: 6/139 [BCH]

58. **Gras, S., P.G. Wilmann, Z. Chen, H. Halim, Y.C. Liu, L. Kjer-Nielsen, A.W. Purcell, S.R. Burrows, J. McCluskey, and J. Rossjohn**, *A structural basis for varied {alpha beta} TCR usage against an immunodominant EBV antigen restricted to a HLA-B8 molecule*. *J Immunol*, 2012. **188**(1): p. 311-321 Category: Immunology **Impact Factor: 5.788** Ranking: 20/139 [BCH]
59. **Gray, L.R., D. Cowley, E. Crespan, C. Welsh, C. Mackenzie, S.L. Wesselingh, P.R. Gorry, and M.J. Churchill**, *Reduced Basal Transcriptional Activity of Central Nervous System-Derived HIV Type 1 Long Terminal Repeats*. *AIDS Res Hum Retroviruses*, 2012. **28**: p. 1-6 Category: Immunology **Impact Factor: 2.246** Ranking: 97/139 [BCH,MICRO]
60. **Gunzburg, M.J., N.D. Ambaye, M.P. Del Borgo, S.C. Pero, D.N. Krag, M.C. Wilce, and J.A. Wilce**, *Interaction of the non-phosphorylated peptide G7-18NATE with Grb7-SH2 domain requires phosphate for enhanced affinity and specificity*. *J Mol Recognit*, 2012. **25**(1): p. 57-67 Category: Biochemistry & Molecular Biology **Impact Factor: 3.310** Ranking: 112/289 [BCH]
61. **Hakim, S., M.C. Bertucci, S.E. Conduit, D.L. Vuong, and C.A. Mitchell**, *Inositol polyphosphate phosphatases in human disease*, in *Curr Top Microbiol Immunol*, M. Falasca, Editor. 2012, Springer Science + Business Media: Germany. p. 247-314 Category: Immunology **Impact Factor: 4.925** Ranking: 27/139 [BCH]
62. **Hall, K.N., T.H. Lee, N.L. Daly, D.J. Craik, and M.I. Aguilar**, *Gly(6) of kalata B1 is critical for the selective binding to phosphatidylethanolamine membranes*. *Biochim Biophys Acta - Biomem*, 2012. **1818**(9): p. 2354-2361 Category: Biochemistry & Molecular Biology **Impact Factor: 3.990** Ranking: 83/289 [BCH]
63. Han, L., Y.J. Zhang, **J. Song**, M.S. Liu, and Z. Zhang, *Identification of Catalytic Residues Using a Novel Feature that Integrates the Microenvironment and Geometrical Location Properties of Residues*. *PLoS One*, 2012. **7**(7): p. e41370.1-13 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [BCH]
64. **Han, X., R.M. Kennan, D.L. Steer, A.I. Smith, J.C. Whisstock, and J.I. Rood**, *The AprV5 Subtilase Is Required for the Optimal Processing of All Three Extracellular Serine Proteases from Dichelobacter nodosus*. *PLoS One*, 2012. **7**(10): p. 1-8 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [MICRO,BCH]
65. **Hatfaludi, T., K. Al-Hasani, L. Gong, J.D. Boyce, M. Ford, I.W. Wilkie, N. Quinsey, M.A. Dunstone, D.E. Hoke, and B. Adler**, *Screening of 71 P. multocida Proteins for Protective Efficacy in a Fowl Cholera Infection Model and Characterization of the Protective Antigen PlpE*. *PLoS One*, 2012. **7**(7): p. e39973.1-11 Category: Biology **Impact Factor: 4.092** Ranking: 12/84 [BCH,MICRO]



66. **Haverfield, J.T., S. Ham, K.A. Brown, E.R. Simpson, and S.J. Meachem**, *Teasing out the role of aromatase in the healthy and diseased testis*. *Spermatogenesis*, 2012. **1**(3): p. 240-249 [ANT,PHY,BCH]
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