

2008 BIOCHEMISTRY & MOLECULAR BIOLOGY RESEARCH PUBLICATIONS

1. Amon, M.A., M. Ali, V. Bender, **K. Hall, M.I. Aguilar**, J. Aldrich-Wright, and N. Manolios, *Kinetic and conformational properties of a novel T-cell antigen receptor transmembrane peptide in model membranes*. J Pept Sci, 2008. **14**(6): p. 714-724. Category: Biochemistry & Molecular Biology **Impact Factor: 1.768** Ranking: 184/263 [BCH]
2. **Androulakis, S., J.W. Schmidberger, M. Bate, R. DeGori**, A. Beitz, C. Keong, S. Cameron, **S. McGowan, C.J. Porter**, A. Harrison, J. Hunter, J.L. Martin, B. Kobe, R.C.J. Dobson, M.W. Parker, **J.C. Whisstock**, J. Gray, T. A., D. Groenewegen, N. Dickson, and **A.M. Buckle**, *Federated repositories of X-ray diffraction images*. Acta Crystallogr Sect D Struct Biol Cryst Commun, 2008. **64**(Pt. 7): p. 810-814. Category: Biochemical Research Methods **Impact Factor: 2.620** Ranking: 24/60 [BCH]
3. **Archbold, J.K., W.A. Macdonald**, S.R. Burrows, **J. Rossjohn**, and J. McCluskey, *REVIEW: T-cell allorecognition: a case of mistaken identity or deja vu?* Trends Immunol, 2008. **29**(5): p. 220-226. Category: Immunology **Impact Factor: 9.480** Ranking: 7/119 [BCH]
4. Berridge, M.V., P.M. Herst, and **A. Lawen**, *REVIEW: Targeting mitochondrial permeability in cancer drug development*. Mol Nutr Food Res, 2008. **E-Pub**: p. 76-86. Category: Food Science & Technology **Impact Factor: 3.439** Ranking: 3/103 [BCH]
5. Bogdanos, D.P., P. Invernizzi, **I.R. Mackay**, and D. Vergani, *Autoimmune liver serology: Current diagnostic and clinical challenges*. World J Gastroenterol, 2008. **14**(21): p. 3374-3387. [BCH]
6. **Brown, T.J.**, *The development of hyaluronan as a drug transporter and excipient for chemotherapeutic drugs*. Curr Pharm Biotechnol, 2008. **9**(4): p. 253-60. Category: Biochemistry & Molecular Biology **Impact Factor: 2.308** Ranking: 147/263 [BCH]
7. Burchill, L., E. Velkoska, R.G. Dean, **R.A. Lew, A.I. Smith**, V. Levidiotis, and L. Burrell, *Acute kidney injury in the rat causes cardiac remodelling and increases ACE2 expression*. Exp Physiol, 2008. **93**(5): p. 622-630. Category: Physiology **Impact Factor: 3.014** Ranking: 27/78 [BCH]
8. Butler, N.S., **A. Theodossis**, A.I. Webb, **M.A. Dunstone**, R. Nastovska, S.H. Ramarathinam, **J. Rossjohn**, A.W. Purcell, and S. Perlman, *Structural and Biological Basis of CTL Escape in Coronavirus-Infected Mice*. J Immunol, 2008. **180**(6): p. 3926-37. Category: Immunology **Impact Factor: 6.068** Ranking: 13/119 [BCH]
9. Butler, N.S., **A. Theodossis**, A.I. Webb, R. Nastovska, S.H. Ramarathinam, **M.A. Dunstone, J. Rossjohn**, A.W. Purcell, and S. Perlman, *Prevention of cytotoxic T cell escape using a heteroclitic subdominant viral T cell determinant*. PLoS Pathog, 2008. **4**(10): p. e1000186. Category: Microbiology **Impact Factor: 9.336** Ranking: 5/95 [BCH]

10. **Buzza, M.S., J.M. Dyson**, H. Choi, E.E. Gardiner, R.K. Andrews, **D. Kaiserman, C.A. Mitchell**, M.C. Berndt, J.F. Dong, and **P.I. Bird**, *Anti-hemostatic activity of human granzyme B mediated by cleavage of von Willebrand factor*. J Biol Chem, 2008. **283**(33): p. 22498-22504. Category: Biochemistry & Molecular Biology **Impact Factor: 5.581** Ranking: 40/263 [BCH]
11. **Byres, E.**, A.W. Paton, J.C. Paton, J. Lofling, S. D.F., **M.C.J. Wilce**, U.M. Talbot, D.C. Chong, H. Yu, S. Huang, X. Chen, N.M. Varki, A. Varki, **J. Rossjohn**, and **T. Beddoe**, *Incorporation of a non-human glycan mediates human susceptibility to a bacterial toxin*. Nature, 2008. **456**(7222): p. 648-652. Category: Multidisciplinary Sciences **Impact Factor: 28.751** Ranking: 1/50 [BCH]
12. **Caly, L., D.A. Jans**, and S.C. Piller, *Proteolytic Cleavage of HIV-1 GFP-Vpr Fusions at Novel Sites Within Virions and Living Cells: Concerns for Intracellular Trafficking Studies*. J Fluoresc, 2008. **E-Pub**: p. 1-7. Category: Biochemical Research Methods **Impact Factor: 2.101** Ranking: 33/60 [BCH]
13. **Caly, L.**, N.K. Saksena, S.C. Piller, and **D.A. Jans**, *SHORT REPORT: Impaired nuclear import and viral incorporation of Vpr derived from a HIV long-term non-progressor*. Retrovirology, 2008. **5**(1): p. 67. Category: Virology **Impact Factor: 4.040** Ranking: 5/25 [BCH]
14. Chessman, D., L. Kostenko, T. Lethborg, A.W. Purcell, N.A. Williamson, Z. Chen, L. Kjer-Nielsen, N.A. Mifsud, B.D. Tait, R. Holdsworth, C.A. Almeida, D. Nolan, **W.A. Macdonald, J.K. Archbold**, A.D. Kellerher, D. Marriott, S. Mallal, M. Bharadwaj, **J. Rossjohn**, and J. McCluskey, *Human leukocyte antigen class I-restricted activation of CD8+ T cells provides the immunogenetic basis of a systemic drug hypersensitivity*. Immunity, 2008. **28**(6): p. 822-32. Category: Immunology **Impact Factor: 19.266** Ranking: 4/119 [BCH]
15. **Cowling, B.S., M.J. McGrath**, M.A. Nguyen, **D.L. Cottle**, A.J. Kee, S. Brown, J. Schessl, Y. Zou, J. Joya, C.G. Bonnemann, E.C. Hardeman, and **C.A. Mitchell**, *Identification of FHL1 as a regulator of skeletal muscle mass: implications for human myopathy*. J Cell Biol, 2008. **183**(6): p. 1033-48. Category: Cell Biology **Impact Factor: 9.598** Ranking: 17/156 [BCH]
16. Cullen, S.P., I.S. Afonina, R. Donadini, A.U. Luthi, J.P. Medema, **P.I. Bird**, and S.J. Martin, *Nucleophosmin is cleaved and inactivated by the cytotoxic granule protease granzyme M during NK cell-mediated killing*. J Biol Chem, 2008. **E-Pub**: p. 1-22. Category: Biochemistry & Molecular Biology **Impact Factor: 5.581** Ranking: 40/263 [BCH]
17. Cullinane, M., **L. Gong, X. Li**, N. Lazar-Adler, **T. Tra**, E. Wolvetang, **M. Prescott**, J.D. Boyce, **R.J. Devenish**, and B. Adler, *Stimulation of autophagy suppresses the intracellular survival of Burkholderia pseudomallei in mammalian cell lines*. Autophagy, 2008. **4**(6): p. 744-753. Category: Cell Biology **Impact Factor: 4.657** Ranking: 37/156 [BCH,MICRO,ANT]
18. **Devenish, R.J., M. Prescott**, and A.J.W. Rodgers, *The structure and function of mitochondrial F1FO-ATP synthases*, in *International Review of Cell and Molecular Biology*, K.W. Jeon, Editor. 2008, Academic Press: USA. p. 1-58. [BCH]

19. Diwakarla, S., **P. Nagley, M.L. Hughes**, B. Chen, and P.M. Beart, *Differential insult-dependent recruitment of the intrinsic mitochondrial pathway during neuronal programmed cell death*. Cell Mol Life Sci, 2008. **E-Pub**. Category Biochemistry & Molecular Biology **Impact Factor: 5.239** Ranking: 45/263 [BCH]
20. Dowling, D., S. Nasr-Esfahani, C.H. Tan, K. O'Brien, J.L. Howard, **D.A. Jans**, D.F. Purcell, C.M. Stoltzfus, and S. Sonza, *HIV-1 infection induces changes in expression of cellular splicing factors that regulate alternative viral splicing and virus production in macrophages*. Retrovirology, 2008. **5**(1): p. 1-12. Category: Virology **Impact Factor: 4.040** Ranking: 5/25 [BCH,MICRO]
21. Ely, L.K., S.R. Burrows, A.W. Purcell, **J. Rossjohn**, and J. McCluskey, *T-cells behaving badly: structural insights into alloreactivity and autoimmunity*. Curr Opin Immunol, 2008. **20**(5): p. 575-580. Category: Immunology **Impact Factor: 9.325** Ranking: 8/119 [BCH]
22. Estuningsih, E., T. Spithill, H. Raadsma, **R. Law**, G. Adiwinata, E. Meeusen, and D. Piedrafita, *Development and Application of a Faecal Antigen Diagnostic Sandwich Elisa for Estimating Prevalence of Fasciola Gigantica in Cattle in Central Java, Indonesia*. J Parasitol, 2008. **E-Pub**: p. 1-23. Category: Parasitology **Impact Factor: 1.129** Ranking: 17/23 [BCH,PHY]
23. **Fenalti, G.**, C.S. Hampe, **Y. Arafat, R.H. Law**, J.P. Banga, **I.R. Mackay, J.C. Whisstock, A.M. Buckle**, and **M.J. Rowley**, *COOH-terminal clustering of autoantibody and T cell determinants on the structure of GAD65 provide insights into the molecular basis of autoreactivity*. Diabetes, 2008. **57**(5): p. 1293-1301. Category: Endocrinology & Metabolism **Impact Factor: 8.261** Ranking: 3/92 [BCH]
24. **Fenalti, G.** and **M.J. Rowley**, *GAD65 as a prototypic autoantigen*. J Autoimmun, 2008. **31**(3): p. 228-232. Category: Immunology **Impact Factor: 3.391** Ranking: 39/119 [BCH]
25. **Fitzpatrick, R.E., P.D. Campbell**, S. Sivagurunathan, C.N. Pagel, J. Potempa, E.J. Mackie, and **R.N. Pike**, *SHORT COMMUNICATION: The gingipains from Porphyromonas gingivalis do not directly induce osteoclast differentiation in primary mouse bone marrow cultures*. J Periodontal Res, 2008. **E-Pub**: p. 1-3. Category: Dentistry, Oral Surgery and Medicine **Impact Factor: 2.146** Ranking: 10/51 [BCH]
26. Foulds, L.M., R.I. Boysen, M. Crane, Y. Yuanzhong, J.A. Muir, **A.I. Smith**, D.M. de Kretser, M.T. Hearn, and M.P. Hedger, *Molecular Identification of Lyso-Glycerophosphocholines as Endogenous Immunosuppressives in Bovine and Rat Gonadal Fluids*. Biol Reprod, 2008. **79**(3): p. 525-536. Category: Reproductive Biology **Impact Factor: 3.670** Ranking: 2/25 [BCH]
27. **Fulcher, A.J.**, C.M. Ahmed, E.N. Noon-Song, **R.Y. Kwan**, P.S. Subramaniam, H.M. Johnson, and **D.A. Jans**, *Interferon gamma is recognised by importin alpha/beta: Enhanced nuclear localising and transactivation activities of an interferon gamma mimetic*. FEBS Lett, 2008. **582**(11): p. 1569-1574. Category: Biochemistry & Molecular Biology **Impact Factor: 3.263** Ranking: 98/263 [BCH]

28. **Fulton, Z.**, P.K. Crellin, R. Brammananth, L. Zaker-Tabrizi, R.L. Coppel, **J. Rossjohn**, and **T. Beddoe**, *Expression, purification, crystallization and preliminary X-ray characterization of a putative glycosyltransferase of the GT-A fold found in mycobacteria*. Acta Crystallogr Sect F Struct Biol Cryst Commun, 2008. **64**(Pt 5): p. 428-31. Category: Crystallography **Impact Factor: 0.645** Ranking: 20/25 [BCH,MICRO]
29. **Fulton, Z.**, **A. McAlister**, **M.C. Wilce**, R. Brammananth, **L. Zaker-Tabrizi**, M.A. Perugini, **S.P. Bottomley**, R.L. Coppel, P.K. Crellin, **J. Rossjohn**, and **T. Beddoe**, *Crystal structure of an UDP-glucose specific glycosyltransferase from a mycobacterium species*. J Biol Chem, 2008. **283**(41): p. 27881-27890. Category: Biochemistry & Molecular Biology **Impact Factor: 5.581** Ranking: 40/263 [BCH,MICRO]
30. Gautier, P., **C. Naranjo-Golborne**, M.S. Taylor, I.J. Jackson, and **I.M. Smyth**, *Expression of the fras1/frem gene family during zebrafish development and fin morphogenesis*. Dev Biol, 2008. **237**(11): p. 3295-3304. Category: Anatomy & Morphology **Impact Factor: 3.084** Ranking: 1/17 [BCH,ANT]
31. Gehman, J.D., F. Luc, **K. Hall**, **T.H. Lee**, M.P. Boland, T.L. Pukala, J.H. Bowie, **M.I. Aguilar**, and F. Separovic, *Effect of Antimicrobial Peptides from Australian Tree Frogs on Anionic Phospholipid Membranes*. Biochemistry, 2008. **47**(33): p. 8557-8565. Category: Biochemistry & Molecular Biology **Impact Factor: 3.368** Ranking: 95/263 [BCH]
32. Gershwin, M.E. and **I.R. Mackay**, *Reply*. Hepatology, 2008. **48**(4): p. 1354-1355. Category: Gastroenterology & Hepatology **Impact Factor: 10.734** Ranking: 2/50 [BCH]
33. Gibbs, M.E., **D.N. Bowser**, D.S. Hutchinson, R.E. Loiacono, and R.J. Summers, *Memory processing in the avian hippocampus involves interactions between beta-adrenoceptors, glutamate receptors, and metabolism*. Neuropsychopharmacology, 2008. **33**(12): p. 2831-2846. Category: Neurosciences **Impact Factor: 6.157** Ranking: 19/211 [ANT,BCH,PHARM]
34. Gibbs, M.E., **D. Maksel**, Z. Gibbs, **X. Hou**, R.J. Summers, and **D.H. Small**, *Memory loss caused by beta-amyloid protein is rescued by a beta(3)-adrenoceptor agonist*. Neurobiol Aging, 2008. **E-Pub**: p. 1-11. Category: Neurosciences **Impact Factor: 5.607** Ranking: 24/211 [ANT,BCH,PHARM]
35. Gibbs, P., **T.J. Brown**, R. Ng, R. Jennens, E. Cinc, **M. Pho**, M. Michael, and R.M. Fox, *A pilot human evaluation of a formulation of irinotecan and hyaluronic acid in 5-fluorouracil-refractory metastatic colorectal cancer patients*. Chemotherapy, 2009. **E-Pub**: p. 49-59. Category: Oncology **Impact Factor: 1.503** Ranking: 102/132 [BCH]
36. Godfrey, D.I., **J. Rossjohn**, and J. McCluskey, *REVIEW: The fidelity, occasional promiscuity, and versatility of T cell receptor recognition*. Immunity, 2008. **28**(3): p. 304-14. Category: Immunology **Impact Factor: 19.266** Ranking: 4/119 [BCH]

37. Gong, H., M.J. Jarzynka, **T.J. Cole**, J.H. Lee, T. Wada, B. Zhang, J. Gao, W.C. Song, D.B. DeFranco, S.Y. Cheng, and W. Xie, *Glucocorticoids antagonize estrogens by glucocorticoid receptor-mediated activation of estrogen sulfotransferase*. *Cancer Res*, 2008. **68**(18): p. 7386-93. Category: Oncology **Impact Factor: 7.672** Ranking: 8/132 [BCH]
38. Gordon, S.L., **N.S. Quinsey**, P.R. Dunkley, and P.W. Dickson, *Tyrosine Hydroxylase Activity Is Regulated by Two Distinct Dopamine Binding Sites*. *J Neurochem*, 2008. **106**(4): p. 1614-1623. Category: Neurosciences **Impact Factor: 4.451** Ranking: 37/211 [BCH]
39. **Gras, S.**, L. Kjer-Nielsen, S.R. Burrows, J. McCluskey, and **J. Rossjohn**, *T-cell receptor bias and immunity*. *Curr Opin Immunol*, 2008. **20**(1): p. 119-25. Category: Immunology **Impact Factor: 9.325** Ranking: 8/119 [BCH]
40. Hatfaludi, T., K. Al-Hasani, **M. Dunstone**, J. Boyce, and B. Adler, *Characterization of TolC efflux pump proteins from Pasteurella multocida*. *Antimicrob Agents Chemother*, 2008. **52**(11): p. 4166-4171. Category: Microbiology **Impact Factor: 4.390** Ranking: 15/94 [MICRO,BCH]
41. **Hearps, A.C.**, **K.M. Wagstaff**, S.C. Piller, and **D.A. Jans**, *The N-Terminal Basic Domain of the HIV-1 Matrix Protein Does Not Contain a Conventional Nuclear Localization Sequence But Is Required for DNA Binding and Protein Self-Association*. *Biochemistry*, 2008. **47**(7): p. 2199-210. Category: Biochemistry & Molecular Biology **Impact Factor: 3.368** Ranking: 95/263 [BCH]
42. Henriques, S.T., **L.K. Pattenden**, **M.I. Aguilar**, and M.A. Castanho, *PrP(106-126) does not interact with membranes under physiological conditions*. *Biophys J*, 2008. **95**(4): p. 1877-1889. Category: Biophysics **Impact Factor: 4.627** Ranking: 10/69 [BCH]
43. **Hettiarachchi, K.D.**, **P.Z. Zimmet**, N.N. Danial, and **M.A. Myers**, *Transplacental exposure to the vacuolar-ATPase inhibitor bafilomycin disrupts survival signaling in beta cells and delays neonatal remodeling of the endocrine pancreas*. *Exp Toxicol Pathol*, 2008. **60**(4-5): p. 295-306. Category: Toxicology **Impact Factor: 1.311** Ranking: 56/73 [BCH]
44. **Hettiarachchi, K.D.**, P.Z. Zimmet, and **M.A. Myers**, *Dietary Toxins, Endoplasmic Reticulum (ER) Stress and Diabetes*. *Curr Diabetes Rev*, 2008. **4**(2): p. 146-56. [BCH]
45. **Hill, R.A.**, **E.R. Simpson**, and W.C. Boon, *Evidence for the existence of an estrogen-responsive sexually dimorphic group of cells in the medial preoptic area of the 129SvEv mouse strain*. *Int J Impot Res*, 2008. **20**(3): p. 315-323. Category: Urology & Nephrology **Impact Factor: 2.059** Ranking: 24/55 [BCH]
46. **Hoare, H.L.**, L.C. Sullivan, **C.S. Clements**, **L.K. Ely**, **T. Beddoe**, **K.N. Henderson**, J. Lin, **H.H. Reid**, A.G. Brooks, and **J. Rossjohn**, *COMMUNICATION: Subtle changes in peptide conformation profoundly affect recognition of the non-classical MHC class I molecule HLA-E by the CD94-NKG2 natural killer cell receptors*. *J Mol Biol*, 2008. **377**(5): p. 1297-303. Category: Biochemistry & Molecular Biology **Impact Factor: 4.472** Ranking: 56/263 [BCH]

47. Hodoniczky, J., C.G. Sims, W.M. Best, J.M. Bentel, and **J.A. Wilce**, *The intracellular and nuclear-targeted delivery of an anti-androgen drug by carrier peptides*. Biopolymers, 2008. **E-Pub**. Category: Biochemistry & Molecular Biology **Impact Factor: 2.389** Ranking: 139/263 [BCH]
48. Howden, B.P., **D.J. Smith**, A. Mansell, P.D. Johnson, P.B. Ward, T.P. Stinear, and J.K. Davies, *Different bacterial gene expression patterns and attenuated host immune responses are associated with the evolution of low-level vancomycin resistance during persistent methicillin-resistant Staphylococcus aureus bacteraemia*. BMC Microbiol, 2008. **8**: p. 39. Category: Microbiology **Impact Factor: 2.982** Ranking: 27/94 [MICRO, BCH]
49. Hsu, W., W. Zhang, K. Tsuneyama, Y. Moritoki, W.M. Ridgway, A.A. Ansari, R.L. Coppel, Z.X. Lian, **I. Mackay**, and M.E. Gershwin, *Differential mechanisms in the pathogenesis of autoimmune cholangitis versus inflammatory bowel disease in interleukin-2Ralpha(-/-) mice*. Hepatology, 2008. **E-Pub**: p. 1-8. Category: Gastroenterology & Hepatology **Impact Factor: 10.734** Ranking: 2/50 [MICRO, BCH]
50. Invernizzi, P. and **I.R. Mackay**, *EDITORIAL: Autoimmune liver diseases*. World J Gastroenterol, 2008. **14**(21): p. 3290-1. [BCH]
51. **Janes, P.W.**, **S. Adikari**, and **M. Lackmann**, *Eph/ephrin signalling and function in oncogenesis: lessons from embryonic development*. Curr Cancer Drug Targets, 2008. **8**(6): p. 473-9. Category: Oncology **Impact Factor: 5.385** Ranking: 20/132 [BCH]
52. Jarymowycz, V.A., A.L. Cortajarena, L. Regan, and **M.J. Stone**, *Comparison of the backbone dynamics of a natural and a consensus designed 3-TPR domain*. J Biomol NMR, 2008. **41**(3): p. 169-78. Category: Biochemistry & Molecular Biology **Impact Factor: 1.433** Ranking: 204/263 [BCH]
53. Jarymowycz, V.A. and **M.J. Stone**, *Remote Changes in the Dynamics of the Phosphotyrosine-Binding Domain of Insulin Receptor Substrate-1 Induced by Phosphopeptide Binding (dagger)*. Biochemistry, 2008. **47**(50): p. 13371-13382. Category: Biochemistry & Molecular Biology **Impact Factor: 3.368** Ranking: 93/263 [BCH]
54. **Jones, K.L.**, S. Sonza, and **J. Mak**, *Primary T-lymphocytes rescue the replication of HIV-1 DIS RNA mutants in part by facilitating reverse transcription*. Nucleic Acids Res, 2008. **36**(5): p. 1578-1588. Category: Biochemistry & Molecular Biology **Impact Factor: 6.954** Ranking: 29/263 [BCH, MICRO]
55. Keating, C.P., M.K. Hill, D.J. Hawkes, R.P. Smyth, C. Isel, S.Y. Le, A.C. Palmenberg, J.A. Marshall, R. Marquet, G.J. Nabel, and **J. Mak**, *The A-rich RNA sequences of HIV-1 pol are important for the synthesis of viral cDNA*. Nucleic Acids Res, 2008. **E-Pub**: p. 1-12. Category: Biochemistry & Molecular Biology **Impact Factor: 6.954** Ranking: 29/263 [BCH]
56. Kedzierska, K., C. Guillonneau, **S. Gras**, L.A. Hatton, R. Webby, A.W. Purcell, **J. Rossjohn**, P.C. Doherty, and S.J. Turner, *Complete modification of TCR specificity and repertoire selection does not perturb a CD8+ T cell immunodominance hierarchy*. Proc Natl Acad Sci U S A, 2008. **105**(49): p. 19407-19412. Category: Multidisciplinary Sciences **Impact Factor: 9.598** Ranking: 3/50 [BCH]

57. Kuruppu, S., **A.I. Smith**, G.K. Isbister, and W.C. Hodgson, *REVIEW: Neurotoxins from Australo-Papuan elapids: a biochemical and pharmacological perspective*. Crit Rev Toxicol, 2008. **38**(1): p. 73-86. Category: Toxicology **Impact Factor: 5.145** Ranking: 2/73 [PHARM,BCH]
58. **Kuusisto, H.V., K.M. Wagstaff, G. Alvisi, and D.A. Jans**, *SHORT REPORT: The C-terminus of apoptin represents a unique tumor cell-enhanced nuclear targeting module*. Int J Cancer, 2008. **123**(12): p. 2965-2969. Category: Oncology **Impact Factor: 4.555** Ranking: 30/132 [BCH]
59. La Gruta, N.L., P.G. Thomas, A.I. Webb, **M.A. Dunstone**, T. Cukalac, P.C. Doherty, A.W. Purcell, **J. Rossjohn**, and S.J. Turner, *Epitope-specific TCRbeta repertoire diversity imparts no functional advantage on the CD8+ T cell response to cognate viral peptides*. Proc Natl Acad Sci U S A, 2008. **105**(6): p. 2034-9. Category: Multidisciplinary Sciences **Impact Factor: 9.598** Ranking: 3/50 [BCH]
60. **Lackmann, M.** and A.W. Boyd, *REVIEW: Eph, a protein family coming of age: more confusion, insight, or complexity?* Sci Signal, 2008. **1**(15): p. re2. [BCH]
61. Lamb, M.M., **M.A. Myers**, K. Barriga, P.Z. Zimmet, M. Rewers, and J.M. Norris, *Maternal diet during pregnancy and islet autoimmunity in offspring*. Pediatr Diabetes, 2008. **9**(2): p. 135-41. Category: Pediatrics **Impact Factor: 2.314** Ranking: 14/78 [BCH]
62. **Lane, D.J.** and **A. Lawen**, *Non-transferrin iron reduction and uptake are regulated by transmembrane ascorbate cycling in K562 cells*. J Biol Chem, 2008. **283**(19): p. 12701-12708. Category: Biochemistry & Molecular Biology **Impact Factor: 5.581** Ranking: 40/263 [BCH]
63. **Lee, T.-H.** and **M.I. Aguilar**, *Protein separating using immobilized phospholipid chromatography*, in *Affinity Chromatography - Methods and Protocols*, M. Zachariou, Editor. 2008, Humana Press Inc: USA. p. 295-302. Book Chapter [BCH]
64. **Lee, T.-H.** and **M.I. Aguilar**, *High performance liquid chromatography (HPLC) of peptides and proteins*, in *Molecular Biomethods Handbook*, J.W.R. Rapley, Editor. 2008, Humana Press: USA. p. 767-792. Book Chapter [BCH]
65. **Lew, R.A., F.J. Warner, I. Hanchapola, M.A. Yarski, J. Manohar, L.M. Burrell, and A.I. Smith**, *ACE2 catalytic activity in human plasma is masked by an endogenous inhibitor*. Exp Physiol, 2008. **93**(5): p. 685-693. Category: Physiology **Impact Factor: 3.014** Ranking: 27/78 [BCH]
66. Li, D., **D.A. Jans**, P.G. Bardin, J. Meanger, J. Mills, and **R. Ghildyal**, *Association of respiratory syncytial virus M protein with viral nucleocapsids is mediated by the M2-1 protein*. J Virol, 2008. **82**(17): p. 8863-8870. Category: Virology **Impact Factor: 5.332** Ranking: 3/25 [BCH]
67. Lleo, A., P. Invernizzi, **I.R. Mackay**, H. Prince, R.Q. Zhong, and M.E. Gershwin, *Etiopathogenesis of primary biliary cirrhosis*. World J Gastroenterol, 2008. **14**(21): p. 3328-37. [BCH]

68. Lu, X., R. Malumbres, **B. Shields**, X. Jiang, K.A. Sarosiek, Y. Natkunam, **T. Tiganis**, and I.S. Lossos, *PTP1B is a negative regulator of interleukin 4-induced STAT6 signaling*. *Blood*, 2008. **112**(10): p. 4098-4108. Category: Hematology **Impact Factor: 10.896** Ranking: 2/63 [BCH]
69. **Macaulay, J.O.** and **P. Nagley**, *Student project cases: a learner-centred team activity broadly integrated across the undergraduate medical curriculum*. *Med Teach*, 2008. **30**(1): p. 23-33. Category: Education, Scientific Disciplines **Impact Factor: 1.229** Ranking: 5/23 [BCH]
70. **Mackay, I.R.**, *Autoimmunity*, in *McGraw-Hill Encyclopedia of Science & Technology*, McGraw-Hill, Editor. 2008, McGraw-Hill Professional: USA. p. 433-436 Book Chapter [BCH]
71. **Mackay, I.R.**, *Historical reflections on autoimmune hepatitis*. *World J Gastroenterol*, 2008. **14**(21): p. 3292-300. [BCH]
72. **Mackay, I.R.**, N.V. Leskovsek, and N.R. Rose, *REVIEW: Cell damage and autoimmunity: a critical appraisal*. *J Autoimmun*, 2008. **30**(1-2): p. 5-11. Category: Immunology **Impact Factor: 3.391** Ranking: 39/119 [BCH]
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