

**School of Biomedical Sciences**  
**Department of Biochemistry & Molecular Biology**  
**2007 PUBLICATIONS**

**Research Papers**

1. **Aguilar, M.I.**, Purcell, A.W., **Devi, R.**, **Lew, R.A.**, **Rosjohn, J.**, **Smith, A.I.**, and Perlmutter, P., *beta-amino acid-containing hybrid peptides-new opportunities in peptidomimetics*. *Org & Biomol Chem*, 2007. **5**(18): p. 2884-2890.  
Category: Chemistry, Organic **Impact Factor: 2.874** Ranking: 15/56
2. Albert, M.J., Haridas, S., **Steer, D.**, Dhaunsi, G.S., **Smith, A.I.**, and Adler, B., *Identification of a Campylobacter jejuni protein that cross-reacts with cholera toxin*. *Infect Immun*, 2007. **75**(6): p. 3070-3073.  
Category: Immunology **Impact Factor: 4.004** Ranking: 27/117
3. Al-Hasani, K., Boyce, J., McCarl, V.P., **Bottomley, S.**, Wilkie, I., and Adler, B., *Identification of novel immunogens in Pasteurella multocida*. *Microb Cell Fact*, 2007. **6**(3): p. 1-5.
4. Alvisi, G., Musiani, D., **Jans, D.A.**, and Ripalti, A., *An Importin alpha/beta-Recognized Bipartite Nuclear Localization Signal Mediates Targeting of the Human Herpes Simplex Virus Type 1 DNA Polymerase Catalytic Subunit pUL30 to the Nucleus*. *Biochemistry*, 2007. **46**(32): p. 9155-9163.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.633** Ranking: 79/262
5. **Archbold, J.K.**, **Ely, L.K.**, Kjer-Nielsen, L., Burrows, S.R., **Rosjohn, J.**, McCluskey, J., and **Macdonald, W.A.**, *T cell allorecognition and MHC restriction-A case of Jekyll and Hyde?* *Mol Immunol*, 2007. **E-Pub**: p. 583-98.  
Category: Immunology **Impact Factor: 4.768** Ranking: 18/117
6. Askew, D.J., Cataltepe, S., Kumar, V., Edwards, C., Pace, S.M., Howarth, R.N., Pak, S.C., Askew, Y., Bromme, D., Luke, C.J., **Whisstock, J.C.**, and Silverman, G.A., *Serpinb11 is a new non-inhibitory intracellular serpin: Common single nucleotide polymorphisms in the scaffold impair conformational change*. *J Biol Chem*, 2007. **282**(34): p. 24948-24960.  
Category: Biochemistry & Molecular Biology **Impact Factor: 5.808** Ranking: 39/262
7. **Astle, M.V.**, **Horan, K.A.**, **Ooms, L.M.**, and **Mitchell, C.A.**, *The inositol polyphosphate 5-phosphatases: traffic controllers, waistline watchers and tumour suppressors?* *Biochem Soc Symp*, 2007(74): p. 161-81.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.324** Ranking: 92/262
8. **Battad, J.M.**, **Wilmann, P.G.**, Olsen, S., Byres, E., Smith, S.C., Dove, S.G., Turcic, K.N., **Devenish, R.J.**, **Rosjohn, J.**, and **Prescott, M.**, *A Structural Basis for the pH-dependent Increase in Fluorescence Efficiency of Chromoproteins*. *J Mol Biol*, 2007. **368**(4): p. 998-1010.  
Category: Biochemistry & Molecular Biology **Impact Factor: 4.890** Ranking: 53/262
9. Beart, P.M., Lim, M.L., Chen, B., Diwakarla, S., Mercer, L.D., Cheung, N.S., and **Nagley, P.**, *Hierarchical recruitment by AMPA but not staurosporine of pro-apoptotic mitochondrial signaling in cultured cortical neurons: evidence for caspase-dependent/independent cross-talk*. *J Neurochem*, 2007. **103**(6): p. 2408-2427.  
Category: Neurosciences **Impact Factor: 4.260** Ranking: 38/199
10. **Bird, D.A.**, **Tan, K.H.**, **Olsson, F.P.**, Zieba, M., Flecknoe, S.J., Liddicoat, D.R., **Mollard, R.**, Hooper, S.B., and **Cole, T.J.**, *Identification of glucocorticoid-regulated genes that control cell proliferation during murine respiratory development*. *J Physiol*, 2007. **585**(Pt 1): p. 187-201.  
Category: Physiology **Impact Factor: 4.407** Ranking: 9/79

11. **Borg, N.A.**, Kjer-Nielsen, L., McCluskey, J., and **Rossjohn, J.**, *Structural insight into natural killer T cell receptor recognition of CD1d*. *Adv Exp Med Biol*, 2007. **598**: p. 20-34.  
Category: Medicine, Research & Experimental **Impact Factor: 0.646** Ranking: 67/76
12. **Borg, N.A.**, **Wun, K.S.**, Kjer-Nielsen, L., **Wilce, M.C.**, Pellicci, D.G., **Koh, R.**, Besra, G.S., Bharadwaj, M., Godfrey, D.I., McCluskey, J., and **Rossjohn, J.**, *CD1d-lipid-antigen recognition by the semi-invariant NKT T-cell receptor*. *Nature*, 2007. **448**(7149): p. 44-49.  
Category: Multidisciplinary Sciences **Impact Factor: 26.681** Ranking: 2/51
13. Burrows, J.M., Wynn, K.K., **Tynan, F.E.**, **Archbold, J.**, Miles, J.J., Bell, M.J., Brennan, R.M., Walker, S., McCluskey, J., **Rossjohn, J.**, Khanna, R., and Burrows, S.R., *The impact of HLA-B micropolymorphism outside primary peptide anchor pockets on the CTL response to CMV*. *Eur J Immunol*, 2007. **37**(4): p. 946-953.  
Category: Immunology **Impact Factor: 4.772** Ranking: 17/117
14. **Cabrita, L.D.**, Gilis, D., **Robertson, A.L.**, Dehouck, Y., Rooman, M., and **Bottomley, S.P.**, *Enhancing the stability and solubility of TEV protease using in silico design*. *Protein Sci*, 2007. **16**(11): p. 2360-2367.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.462** Ranking: 88/262
15. **Cabrita, L.D.**, **Irving, J.A.**, **Pearce, M.C.**, **Whisstock, J.C.**, and **Bottomley, S.P.**, *Aeropin from the extremophile *Pyrobaculum aerophilum* bypasses the serpin misfolding trap*. *J Biol Chem*, 2007. **282**(37): p. 26802-26809.  
Category: Biochemistry & Molecular Biology **Impact Factor: 5.808** Ranking: 39/262
16. **Clements, C.S.**, Kjer-Nielsen, L., McCluskey, J., and **Rossjohn, J.**, *Structural Studies on HLA-G: Implications for Ligand and Receptor Binding*. *Hum Immunol*, 2007. **68**(4): p. 220-6.  
Category: Immunology **Impact Factor: 2.605** Ranking: 56/117
17. Conley, B.J., Ellis, S., Gulluyan, L., and **Mollard, R.**, *BMPs regulate differentiation of a putative visceral endoderm layer within human embryonic stem-cell-derived embryoid bodies*. *Biochem Cell Biol*, 2007. **85**(1): p. 121-132.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.483** Ranking: 87/262
18. Conway-Campbell, B.L., Wooh, J.W., Brooks, A.J., Gordon, D., Brown, R.J., Lichanska, A.M., Chin, H.S., **Barton, C.L.**, Boyle, G.M., Parsons, P.G., **Jans, D.A.**, and Waters, M.J., *Nuclear targeting of the growth hormone receptor results in dysregulation of cell proliferation and tumorigenesis*. *Proc Natl Acad Sci U S A*, 2007. **104**(33): p. 13331-13336.  
Category: Multidisciplinary Sciences **Impact Factor: 9.643** Ranking: 3/51
19. **Cottle, D.L.**, **McGrath, M.J.**, **Cowling, B.S.**, **Coghill, I.D.**, **Brown, S.**, and **Mitchell, C.A.**, *FHL3 binds MyoD and negatively regulates myotube formation*. *J Cell Sci*, 2007. **120**(Pt 8): p. 1423-35.  
Category: Cell Biology **Impact Factor: 6.427** Ranking: 31/156
20. **Davies-Tuck, M.**, **Lee, T.H.**, Apffel, A., and **Aguilar, M.I.**, *Hydrophobic and electrostatic forces control the retention of membrane peptides and proteins with an immobilised phosphatidic acid column*. *J Chromatogr A*, 2007. **1156**(1-2): p. 167-73.  
Category: Chemistry, Analytical **Impact Factor: 3.554** Ranking: 6/86
21. Denham, M., Conley, B.J., **Olsson, F.**, Gulluyan, L., **Cole, T.J.**, and **Mollard, R.**, *A Murine Respiratory Inducing Niche Displays Variable Efficiency across Human and Mouse Embryonic Stem Cell Species*. *Am J Physiol Lung Cell Mol Physiol*, 2007. **292**(5): p. L1241-L1247.  
Category: Respiratory System **Impact Factor: 4.250** Ranking: 5/34

22. Desai, M., Cull, C.A., Horton, V.A., Christie, M.R., Bonifacio, E., Lampasona, V., Bingley, P.J., Levy, J.C., **Mackay, I.R.**, Zimmet, P., Holman, R.R., and Clark, A., *GAD autoantibodies and epitope reactivities persist after diagnosis in latent autoimmune diabetes in adults but do not predict disease progression: UKPDS 77*. *Diabetologia*, 2007. **50**(10): p. 2052-60.  
Category: Endocrinology & Metabolism **Impact Factor: 5.247** Ranking: 12/93
23. **Duncan, R.C.**, **Wijeyewickrema, L.C.**, and **Pike, R.N.**, *The initiating proteases of the complement system: Controlling the cleavage*. *Biochimie*, 2007. **E-Pub**.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.237** Ranking: 97/262
24. Elliott, D.A., Kim, W.S., **Jans, D.A.**, and Garner, B., *Apoptosis induces neuronal apolipoprotein-E synthesis and localization in apoptotic bodies*. *Neurosci Lett*, 2007. **416**(2): p. 206-210.  
Category: Neurosciences **Impact Factor: 2.092** Ranking: 122/199
25. Elliott, D.A., Kim, W.S., **Jans, D.A.**, and Garner, B., *Macrophage apolipoprotein-E knockdown modulates caspase-3 activation without altering sensitivity to apoptosis*. *Biochim Biophys Acta-General Subjects*, 2007. **E-Pub**.  
Category: Biophysics **Impact Factor: 2.024** Ranking: 38/66
26. **Ellisdon, A.M.**, **Pearce, M.C.**, and **Bottomley, S.P.**, *Mechanisms of Ataxin-3 Misfolding and Fibril Formation: Kinetic Analysis of a Disease-associated Polyglutamine Protein*. *J Mol Biol*, 2007. **368**(2): p. 595-605.  
Category: Biochemistry & Molecular Biology **Impact Factor: 4.890** Ranking: 53/262
27. **Faux, N.G.**, Huttley, G.A., **Mahmood, K.**, Webb, G.I., Garcia de la Banda, M., and **Whisstock, J.C.**, *RCPdb: An evolutionary classification and codon usage database for repeat-containing proteins*. *Genome Res*, 2007. **17**(7): p. 1118-27.  
Category: Biotechnology & Applied Microbiology **Impact Factor: 10.256** Ranking: 4/140
28. **Fenalti, G.**, **Law, R.H.**, **Buckle, A.M.**, **Langendorf, C.**, Tuck, K., **Rosado, C.J.**, **Faux, N.G.**, **Mahmood, K.**, Hampe, C.S., Banga, J.P., **Wilce, M.**, **Schmidberger, J.**, **Rossjohn, J.**, El-Kabbani, O., **Pike, R.N.**, **Smith, A.I.**, **Mackay, I.R.**, **Rowley, M.J.**, and **Whisstock, J.C.**, *GABA production by glutamic acid decarboxylase is regulated by a dynamic catalytic loop*. *Nat Struct Mol Biol*, 2007. **14**(4): p. 280-286.  
Category: Biochemistry & Molecular Biology **Impact Factor: 11.502** Ranking: 12/262
29. **Fulton, K.F.**, **Bate, M.A.**, **Faux, N.G.**, **Mahmood, K.**, **Betts, C.**, and **Buckle, A.M.**, *Protein Folding Database (PFD 2.0): an online environment for the International Foldomics Consortium*. *Nucleic Acids Res*, 2007. **35**(Database issue): p. D304-7.  
Category: Biochemistry & Molecular Biology **Impact Factor: 6.317** Ranking: 36/262
30. **Gianello, R.**, Hall, W.C., Kennepohl, E., **Libinaki, R.**, and Ogru, E., *Subchronic Oral Toxicity Study of Mixed Tocopheryl Phosphates in Rats*. *Int J Toxicol*, 2007. **26**(5): p. 475-490.  
Category: Toxicology **Impact Factor: 1.081** Ranking: 61/76
31. Harrison, S.L., Housden, N.G., **Bottomley, S.P.**, Cossins, A.J., and Gore, M.G., *Generation and expression of a minimal hybrid Ig-receptor formed between single domains from proteins L and G*. *Protein Expr Purif*, 2008. **E-pub**(1): p. 12-22.  
Category: Biochemical Research Methods **Impact Factor: 1.867** Ranking: 39/56
32. **Hearps, A.C.** and **Jans, D.A.**, *Regulating The Functions of The HIV-1 Matrix Protein*. *AIDS Res Hum Retroviruses*, 2007. **23**(3): p. 341-6.  
Category: Immunology **Impact Factor: 2.513** Ranking: 59/117
33. **Hearps, A.C.**, **Pryor, M.J.**, **Kuusisto, H.V.**, **Rawlinson, S.M.**, Piller, S.C., and **Jans, D.A.**, *The Biarsenical Dye LumioTrade mark Exhibits a Reduced Ability to Specifically Detect Tetracysteine-Containing Proteins Within Live Cells*. *J Fluoresc*, 2007. **17**(6): p. 593-597.  
Category: Biochemical Research Methods **Impact Factor: 2.610** Ranking: 22/56

34. **Henderson, K.N., Reid, H.H., Borg, N.A., Broughton, S.E., Huyton, T.,** Anderson, R.P., McCluskey, J., and **Rossjohn, J.**, *The production and crystallization of the human leukocyte antigen class II molecules HLA-DQ2 and HLA-DQ8 complexed with deamidated gliadin peptides implicated in coeliac disease*. Acta Crystallogr Sect F Struct Biol Cryst Commun, 2007. **63**(Pt 12): p. 1021-5.
35. **Henderson, K.N.,** Tye-Din, J.A., **Reid, H.H.,** Chen, Z., **Borg, N.A.,** Beissbarth, T., Tatham, A., Mannering, S.I., Purcell, A.W., Dudek, N.L., van Heel, D.A., McCluskey, J., **Rossjohn, J.**, and Anderson, R.P., *A Structural and Immunological Basis for the Role of Human Leukocyte Antigen DQ8 in Celiac Disease*. Immunity, 2007. **27**(1): p. 23-34.  
Category: Immunology **Impact Factor: 18.306** Ranking: 4/117
36. Herath, C.B., **Warner, F.J.,** Lubel, J.S., Dean, R.G., Jia, Z., **Lew, R.A., Smith, A.I.,** Burrell, L.M., and Angus, P.W., *Upregulation of hepatic angiotensin-converting enzyme 2 (ACE2) and angiotensin-(1-7) levels in experimental biliary fibrosis*>. J Hepatol, 2007. **47**(3): p. 387-395.  
Category: Gastroenterology & Hepatology **Impact Factor: 6.073** Ranking: 4/48
37. Hill, M.K., Bellamy-McIntyre, A., Vella, L.J., Campbell, S.M., Marshall, J.A., Tachedjian, G., and **Mak, J.**, *Alteration of the proline at position 7 of the HIV-1 spacer peptide p1 suppresses viral infectivity in a strain dependent manner*. Curr HIV Res, 2007. **5**(1): p. 69-78.  
Category: Infectious Diseases **Impact Factor: 3.687** Ranking: 12/47
38. **Hill, R.A.,** Chow, J., Fritze-meier, K., **Simpson, E.R.,** and Boon, W.C., *Fas/FasL-mediated apoptosis in the arcuate nucleus and medial preoptic area of male ArKO mice is ameliorated by selective estrogen receptor alpha and estrogen receptor beta agonist treatment, respectively*. Mol Cell Neurosci, 2007. **36**(2): p. 146-57.  
Category: Neurosciences **Impact Factor: 4.607** Ranking: 36/200
39. **Hill, R.A.,** McInnes, K.J., Gong, E.C., Jones, M.E., **Simpson, E.R.,** and Boon, W.C., *Estrogen deficient male mice develop compulsive behavior*. Biol Psychiatry, 2007. **61**(3): p. 359-66.  
Category: Psychiatry **Impact Factor: 7.154** Ranking: 4/94
40. Hogarth, C.A., **Jans, D.A.,** and Loveland, K.L., *Subcellular distribution of importins correlates with germ cell maturation*. Dev Dyn, 2007. **236**(8): p. 2311-2320.  
Category: Anatomy & Morphology **Impact Factor: 3.169** Ranking: 1/15
41. **Horan, K.A.,** Watanabe, K.I., **Kong, A.M.,** Bailey, C.G., Rasko, J.E., Sasaki, T., and **Mitchell, C.A.,** *Regulation of Fc{gamma}R-stimulated phagocytosis by the 72 kDa inositol polyphosphate 5-phosphatase: SHIP1, but not the 72 kDa 5-phosphatase, regulates complement receptor-3-mediated phagocytosis, by differential recruitment of these 5-phosphatases to the phagocytic cup*. Blood, 2007. **110**(13): p. 4480-4491.  
Category: Hematology **Impact Factor: 10.370** Ranking: 2/61
42. **Hou, X.,** Mechler, A., **Martin, L.L.,** **Aguilar, M.I.,** and **Small, D.H.,** *Cholesterol and anionic phospholipids increase the binding of amyloidogenic transthyretin to lipid membranes*. Biochim Biophys Acta-Biomembranes, 2007. **E-Pub**.  
Category: Biophysics **Impact Factor: 3.587** Ranking: 14/66
43. **Jans, D.A.** and **Wagstaff, K.M.,** *Getting to the Heart of a Tumour Cell*, in *Pharma Focus Asia*. 2007. p. 21-24.
44. Kaitu'u-Lino, T.J., Sluka, P., Foo, C.F., and **Stanton, P.G.,** *Claudin-11 expression and localisation is regulated by androgens in rat Sertoli cells in vitro*. Reproduction, 2007. **133**(6): p. 1169-1179.  
Category: Reproductive Biology **Impact Factor: 2.958** Ranking: 8/24

45. **Kerr, F.K.**, Thomas, A.R., **Wijeyewickrema, L.C.**, **Whisstock, J.C.**, Boyd, S.E., **Kaiserman, D.**, **Matthews, A.Y.**, **Bird, P.I.**, Thielens, N.M., Rossi, V., and **Pike, R.N.**, *Elucidation of the substrate specificity of the MASP-2 protease of the lectin complement pathway and identification of the enzyme as a major physiological target of the serpin, C1-inhibitor*. *Mol Immunol*, 2007. **45**(3): p. 670-677.  
Category: Immunology **Impact Factor: 4.768** Ranking: 18/117
46. **Kim, H.S.**, Kuwano, Y., Zhan, M., Pullmann, R., Jr., Mazan-Mamczarz, K., Li, H., Kedersha, N., Anderson, P., **Wilce, M.C.**, Gorospe, M., and **Wilce, J.A.**, *Elucidation of a C-Rich Signature Motif in Target mRNAs of RNA-Binding Protein TIAR*. *Mol Cell Biol*, 2007. **27**(19): p. 6806-6817.  
Category: Cell Biology **Impact Factor: 6.773** Ranking: 25/156
47. Kim, W.S., Elliott, D.A., Kockx, M., Kritharides, L., Rye, K.A., **Jans, D.A.**, and Garner, B., *Analysis of apolipoprotein-E nuclear localisation using green fluorescent protein and biotinylation approaches*. *Biochem J*, 2007. **E-Pub**.  
Category: Biochemistry & Molecular Biology **Impact Factor: 4.100** Ranking: 66/262
48. Königs, C., Pustowka, A., Irving, J., Kessel, C., Klich, K., Wegner, V., **Rowley, M.J.**, **Mackay, I.R.**, Kreuz, W., Griesinger, C., and Dietrich, U., *Peptide mimotopes selected with HIV-1-blocking monoclonal antibodies against CCR5 represent motifs specific for HIV-1 entry*. *Immunol Cell Biol*, 2007. **85**(7): p. 511-517.  
Category: Cell Biology **Impact Factor: 2.482** Ranking: 85/156
49. **Lane, D.** and **Lawen, A.**, *A highly sensitive colorimetric microplate ferrocyanide assay applied to ascorbate-stimulated transplasma membrane ferricyanide reduction and mitochondrial succinate oxidation*. *Anal Bioch*, 2007. **E-Pub**.  
Category: Chemical, Analytical **Impact Factor: 2.948** Ranking: 9/68
50. **Law, R.H.**, Sofian, T., Kan, W.T., Horvath, A.J., Hitchen, C.R., Langendorf, C., **Buckle, A.M.**, **Whisstock, J.C.**, and Coughlin, P.B., *The X-ray crystal structure of the fibrinolysis inhibitor alpha2-antiplasmin* *Blood*, 2007. **E-Pub**.  
Category: Hematology **Impact Factor: 10.370** Ranking: 2/61
51. Li, Y., Li, L., **Brown, T.J.**, and Heldin, P., *Silencing of hyaluronan synthase 2 suppresses the malignant phenotype of invasive breast cancer cells*. *Int J Cancer*, 2007. **120**(12): p. 2557-67.  
Category: Oncology **Impact Factor: 4.693** Ranking: 27/127
52. **Lim, M.L.**, Mercer, L.D., **Nagley, P.**, and Beart, P.M., *Rotenone and MPP+ preferentially redistribute apoptosis-inducing factor in apoptotic dopamine neurons*. *Neuroreport*, 2007. **18**(4): p. 307-12.  
Category: Neurosciences **Impact Factor: 2.137** Ranking: 120/199
53. Lleo, A., Invernizzi, P., Selmi, C., Coppel, R.L., Alpini, G., Podda, M., **Mackay, I.R.**, and Gershwin, M.E., *Autophagy: Highlighting a novel player in the autoimmunity scenario*. *J Autoimmun*, 2007. **29**(2-3): p. 61-68.  
Category: Immunology **Impact Factor: 2.154** Ranking: 72/117
54. Lu, X., Chen, J., **Sasmono, R.T.**, Hsi, E.D., Sarosiek, K.A., **Tiganis, T.**, and Lossos, I.S., *TCPTP, Distinctively Expressed in ABC-Like Diffuse Large B-Cell Lymphomas, is the Nuclear Phosphatase of STAT6*. *Mol Cell Biol*, 2007. **27**(6): p. 2166-2179.  
Category: Biochemistry & Molecular Biology **Impact Factor: 6.773** Ranking: 30/262
55. **Mackay, I.R.**, *Autoimmune diseases of the liver, autoimmune hepatitis and primary biliary cirrhosis: Unfinished business*. *Hepatology Res*, 2007. **37**(Suppl 3): p. S357-64.  
Category: Gastroenterology & Hepatology **Impact Factor: 1.255** Ranking: 41/48
56. **Mackay, I.R.**, *Autoimmunity since the 1957 clonal selection theory: a little accord to a large oak*. *Imm Cell Biol*, 2007. **E-Pub**.  
Category: Immunology **Impact Factor: 2.482** Ranking: 60/117

57. Moritoki, Y., Lian, Z.X., Wulff, H., Yang, G.X., Chuang, Y.H., Lan, R.Y., Ueno, Y., Ansari, A.A., Coppel, R.L., **Mackay, I.R.**, and Gershwin, M.E., *AMA production in primary biliary cirrhosis is promoted by the TLR9 ligand CpG and suppressed by potassium channel blockers*. *Hepatology*, 2007. **45**(2): p. 314-322.  
Category: Gastroenterology & Hepatology **Impact Factor: 10.446** Ranking: 2/48
58. **Moseley, G.W.**, **Filmer, R.P.**, **Dejesus, M.A.**, and **Jans, D.A.**, *Nucleocytoplasmic Distribution of Rabies Virus P-Protein Is Regulated by Phosphorylation Adjacent to C-Terminal Nuclear Import and Export Signals*. *Biochemistry*, 2007. **46**(43): p. 12053-12061.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.633** Ranking: 79/262
59. **Moseley, G.W.**, Martino Roth, D., **Dejesus, M.A.**, **Leyton, D.L.**, **Filmer, R.P.**, Pouton, C.W., and **Jans, D.A.**, *Dynein Light Chain Association Sequences Can Facilitate Nuclear Protein Import*. *Mol Biol Cell*, 2007. **18**(8): p. 3204-3213.  
Category: Cell Biology **Impact Factor: 6.562** Ranking: 30/156
60. Myers, G.S., Parker, D., Al-Hasani, K., Kennan, R.M., Seemann, T., Ren, Q., Badger, J.H., Selengut, J.D., Deboy, R.T., Tettelin, H., Boyce, J.D., McCarl, V.P., Han, X., Nelson, W.C., Madupu, R., Mohamoud, Y., Holley, T., Fedorova, N., Khouri, H., **Bottomley, S.P.**, Whittington, R.J., Adler, B., Songer, J.G., Rood, J.I., and Paulsen, I.T., *Genome sequence and identification of candidate vaccine antigens from the animal pathogen *Dichelobacter nodosus**. *Nat Biotechnol*, 2007. **25**(5): p. 569-575.  
Category: Biotechnology & Applied Microbiology **Impact Factor: 22.672** Ranking: 2/140
61. Nandakumar, K.S., Bajtner, E., **Hill, L.**, Bohm, B., **Rowley, M.J.**, Burkhardt, H., and Holmdahl, R., *Arthritogenic antibodies specific for a major type II collagen triple helical epitope bind and destabilize cartilage independent of inflammation*. *Arth & Rheum*, 2007. **E-Pub**.  
Category: Rheumatology **Impact Factor: 7.751** Ranking: 1/23
62. Nikolov, D., Li, C., **Lackmann, M.**, Jeffrey, P., and Himanen, J., *Crystal structure of the human ephrin-A5 ectodomain*. *Protein Sci*, 2007. **16**(5): p. 996-1000.  
Category: Biochemistry & Molecular Biology **Impact Factor: 3.462** Ranking: 88/262
63. Nowikovsky, K., Reipert, S., **Devenish, R.J.**, and Schweyen, R.J., *Mdm38 protein depletion causes loss of mitochondrial K(+)/H(+) exchange activity, osmotic swelling and mitophagy*. *Cell Death Differ*, 2007. **14**(9): p. 1647-1656.  
Category: Biochemistry & Molecular Biology **Impact Factor: 7.463** Ranking: 27/262
64. **Olsson, F.**, **Denham, M.**, **Cole, T.J.**, Hooper, S.B., and **Mollard, R.**, *Deriving respiratory cell types from stem cells*. *Curr Stem Cell Res Ther*, 2007. **2**(3): p. 197-208.
65. **Ong, P.C.**, **McGowan, S.**, **Pearce, M.C.**, **Irving, J.A.**, **Kan, W.T.**, Grigoryev, S.A., Turk, B., Silverman, G.A., Brix, K., **Bottomley, S.P.**, **Whisstock, J.C.**, and **Pike, R.N.**, *DNA accelerates the inhibition of human cathepsin V by serpins*. *J Biol Chem*, 2007. **282**(51): p. 36980-36986.  
Category: Biochemistry & Molecular Biology **Impact Factor: 5.808** Ranking: 39/262
66. **Oro, C.**, Qian, H., and Thomas, W.G., *Type 1 angiotensin receptor pharmacology: Signaling beyond G proteins*. *Pharmacol Ther*, 2007. **113**(1): p. 210-26.  
Category: Pharmacology & Pharmacy **Impact Factor: 8.657** Ranking: 5/199
67. Parsons, J.A., Bannam, T.L., **Devenish, R.J.**, and Rood, J.I., *TcpA, an FtsK/SpoIIIE homolog, is essential for transfer of the conjugative plasmid pCW3 in *Clostridium perfringens**. *J Bacteriol*, 2007. **189**(21): p. 7782-7790.  
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