

BIOCHEMISTRY & MOLECULAR BIOLOGY
2014 RESEARCH PUBLICATIONS

1. Abd El-Wahab, E.W., R.P. Smyth, E. Mailler, S. Bernacchi, V. Vivet-Boudou, **M. Hijnen**, F. Jossinet, **J. Mak**, J.C. Paillart and R. Marquet, *Specific recognition of the HIV-1 genomic RNA by the Gag precursor*. Nat Commun, 2014. **5**: p. 4304.1-13 Category: Multidisciplinary Sciences **Impact Factor: 10.742** Ranking: 3/55 [**BCH**]
2. **Aguilar, M.I.** and **X. Hou**, *Single-Molecule Imaging of Amyloid- β Protein (A β) of Alzheimer's Disease: From Single-Molecule Structures to Aggregation Mechanisms and Membrane Interactions in Bio-Nanoimaging - Protein Misfolding & Aggregation*, V. Uversky and Y. Lyubchenko, Editors. 2014, Academic Press: UK. p. 47-56 **Book Chapter [BCH]**
3. Aharon, R., **P.W. Janes**, A.W. Burgess, K. Hamza, F. Klebaner and **M. Lackmann**, *A Mathematical Model for Eph/Ephrin-Directed Segregation of Intermingled Cells*. PLoS One, 2014. **9**(12): p. e111803.1-19 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/5 [**BCH**]
4. Ahn, S.B., A. Mohamedali, S. Anand, H.R. Cheruku, D. Birch, S. Gopichandran, D. Cantor, S. Ranganathan, D.W. Inglis, R. Frank, M. Agrez, **E.C. Nice** and M.S. Baker, *Characterisation of the interaction between heterodimeric α v β 6 integrin and urokinase plasminogen activator receptor (uPAR) using functional proteomics*. J Proteome Res, 2014. **13**(12): p. 5956-5964 Category: Biochemical Research Methods **Impact Factor: 5.001** Ranking: 9/78 [**BCH**]
5. Ahn, S.B., A. Mohamedali, C. Chan, J. Fletcher, S.Y. Kwun, C. Clarke, O.F. Dent, P.H. Chapuis, **E.C. Nice** and M.S. Baker, *Correlations between integrin α v β 6 expression and clinico-pathological features in stage B and stage C rectal cancer*. PLoS One, 2014. **9**(5): p. e97248.1-8 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [**BCH**]
6. Ali, N.A., J. Wu, F. Hochgrafe, **H. Chan**, R. Nair, S. Ye, **L. Zhang**, R.J. Lyons, M. Pinese, H. Lee, N. Armstrong, C.J. Ormandy, S.J. Clark, A. Swarbrick and **R.J. Daly**, *Profiling the tyrosine phosphoproteome of different mouse mammary tumour models reveals distinct, model-specific signaling networks and conserved oncogenic pathways*. Breast Cancer Res, 2014. **16**(5): p. 437.1-19 Category: Oncology **Impact Factor: 5.881** Ranking: 25/203 [**BCH**]
7. **Alonso, H.**, O. Kleifeld, A. Yeheskel, **P.C. Ong**, **Y.C. Liu**, J.E. Stok, J.J. De Voss and **A. Roujeinikova**, *Structural and mechanistic insight into alkane hydroxylation by Pseudomonas putida AlkB*. Biochem J, 2014. **460**(2): p. 283-293 Category: Biochemistry & Molecular Biology **Impact Factor: 4.779** Ranking: 61/291 [**MICRO, BCH**]
8. Alvisi, G. and **D.A. Jans**, *LETTER TO THE EDITOR: Comment on Phosphorylation adjacent to the nuclear localization signal of human dUTPase abolishes nuclear import: structural and mechanistic insights by Rona et al. (2013)*. Acta Crystallogr D Biol Crystallogr, 2014. **70**(Pt 10): p. 2775-6 Category: Crystallography **Impact Factor: 7.232** Ranking: 1/23 [**BCH**]
9. **Ambaye, N.D.**, **M.J. Gunzburg**, **D.A. Traore**, **M.P. Del Borgo**, **P. Perlmutter**, **M.C. Wilce** and **J.A. Wilce**, *Preparation of crystals for characterizing the Grb7 SH2 domain before and after complex formation with a bicyclic peptide antagonist*. Acta Crystallogr F Struct Biol Commun, 2014. **70**(Pt 2): p. 182-186 Category: Crystallography **Impact Factor: 0.568** Ranking: 17/23 [**BCH**]
10. Anderson, W. and **I.R. Mackay**, *Fashioning the immunological self: the biological individuality of F. Macfarlane Burnet*. J Hist Biol, 2014. **47**(1): p. 147-175 Category: History & Philosophy of Science **Impact Factor: 0.622** Ranking: 17/56 [**BCH**]
11. Anderson, W. and **I.R. Mackay**, *Intolerant Bodies - A Short History of Autoimmunity*. Vol. 1. 2014, USA: John Hopkins University Press. 1-250 **Book [BCH]**

12. Anderson, W.H. and **I.R. Mackay**, *Gut reactions--from celiac affection to autoimmune model*. N Engl J Med, 2014. **371**(1): p. 6-7 Category: Medicine, General & Internal **Impact Factor: 54.420** Ranking: 1/150 [**BCH**]
13. Andoniou, C.E., V.R. Sutton, M.E. Wikstrom, P. Fleming, K.Y. Thia, **A.Y. Matthews**, **D. Kaiserman**, I.S. Schuster, J.D. Coudert, P. Eldi, G. Chaudhri, G. Karupiah, **P.I. Bird**, J.A. Trapani and M.A. Degli-Esposti, *A natural genetic variant of granzyme B confers lethality to a common viral infection*. PLoS Pathog, 2014. **10**(12): p. e1004526.1-13 Category: Virology **Impact Factor: 8.057** Ranking: 2/33 [**BCH**]
14. Andreu-Fernandez, V., A. Genoves, **T.H. Lee**, **M. Stellato**, F. Lucantoni, M. Orzaez, I. Mingarro, **M.I. Aguilar** and E. Perez-Paya, *Peptides Derived from the Transmembrane Domain of Bcl-2 Proteins as Potential Mitochondrial Priming Tools*. ACS Chem Biol, 2014. **9**(8): p. 1799-1811 Category: Biochemistry & Molecular Biology **Impact Factor: 5.356** Ranking: 51/291 [**BCH**]
15. **Arjomand, A.**, M.A. Baker, **C. Li**, **A.M. Buckle**, **D.A. Jans**, **K.L. Loveland** and **Y. Miyamoto**, *The alpha-importome of mammalian germ cell maturation provides novel insights for importin biology*. FASEB J, 2014. **28**(8): p. 3480 Category: Biochemistry & Molecular Biology **Impact Factor: 5.480** Ranking: 47/291 [**BCH,ANT**]
16. Armistead, J.S., I. Morlais, D.K. Mathias, J.G. Jardim, J. Joy, A. Fridman, A.C. Finnefrock, A. Bagchi, M. Plebanski, D.G. Scorpio, T.S. Churcher, **N.A. Borg**, J. Sattabongkot and R.R. Dinglasan, *Antibodies to a single, conserved epitope in Anopheles APN1 inhibit universal transmission of Plasmodium falciparum and Plasmodium vivax malaria*. Infect Immun, 2014. **82**(2): p. 818-829 Category: Infectious Diseases **Impact Factor: 4.156** Ranking: 14/70 [**BCH**]
17. Arnold, A., **M.M. Rahman**, **M.C. Lee**, S. Muehlhaeusser, I. Katic, D. Gaidatzis, D. Hess, C. Scheckel, J.E. Wright, A. Stetak, **P.R. Boag** and R. Ciosk, *Functional characterization of C. elegans Y-box-binding proteins reveals tissue-specific functions and a critical role in the formation of polysomes*. Nucleic Acids Res, 2014. **42**(21): p. 13353-13369 Category: Biochemistry & Molecular Biology **Impact Factor: 8.808** Ranking: 22/291 [**BCH**]
18. **Atapattu, L.**, **M. Lackmann** and **P.W. Janes**, *REVIEW: The role of proteases in regulating Eph/ephrin signalling*. Cell Adh Migr, 2014. **8**(4): p. 294-307 Category: Cell biology **Impact Factor: 3.395** Ranking: 87/185 [**BCH**]
19. Atkin, J.D., M.A. Farg, K.Y. Soo, A.K. Walker, M. Halloran, B.J. Turner, **P. Nagley** and M.K. Horne, *Mutant SOD1 inhibits ER-Golgi transport in amyotrophic lateral sclerosis*. J Neurochem, 2014. **129**(1): p. 190-204 Category: Biochemistry & Molecular Biology **Impact Factor: 4.244** Ranking: 74/291 [**BCH**]
20. Au, A.E., M. Sashindranath, R.J. Borg, **O. Kleinfeld**, R.K. Andrews, E.E. Gardiner, R.L. Medcalf and **A.L. Samson**, *Activated platelets rescue apoptotic cells via paracrine activation of EGFR and DNA-dependent protein kinase*. Cell Death Dis, 2014. **5**: p. e1410.1-13 Category: Cell Biology **Impact Factor: 5.360** Ranking: 49/185 [**BCH**]
21. Bajorek, M., **L. Caly**, K.C. Tran, G.N. Maertens, R.A. Tripp, E. Bacharach, M.N. Teng, R. Ghildyal and **D.A. Jans**, *The Thr205 Phosphorylation Site Within Respiratory Syncytial Virus Matrix (M) Protein Modulates M Oligomerization and Virus Production*. J Virol, 2014. **88**(11): p. 6380.1-15 Category: Virology **Impact Factor: 4.648** Ranking: 7/32 [**BCH**]
22. Baschuk, N., N. Wang, S.V. Watt, H. Halse, C. House, **P.I. Bird**, R. Strugnell, J.A. Trapani, M.J. Smyth and D.M. Andrews, *NK cell intrinsic regulation of MIP-1alpha by granzyme M*. Cell Death Dis, 2014. **5**: p. e1115.1-11 Category: Cell Biology **Impact Factor: 5.177** Ranking: 49/185 [**BCH**]
23. Bedel, R., **R. Berry**, T. Mallevaey, J.L. Matsuda, J. Zhang, D.I. Godfrey, **J. Rossjohn**, J.W. Kappler, P. Marrack and L. Gapin, *Effective functional maturation of invariant natural killer T cells is constrained by negative selection and T-cell antigen receptor affinity*. Proc Natl Acad Sci U S A, 2014. **111**(1): p. E119-128 Category: Multidisciplinary Sciences **Impact Factor: 9.809** Ranking: 4/55 [**BCH**]

24. **Berry, R.**, S.J. Headey, M.J. Call, J. McCluskey, C.A. Tregaskes, J. Kaufman, R. Koh, M.J. Scanlon, M.E. Call and **J. Rossjohn**, *Structure of the chicken CD3epsilon/delta/gamma heterodimer and its assembly with the alphabeta T cell receptor*. J Biol Chem, 2014. **289**(12): p. 8240-8251 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [BCH]
25. **Berry, R.**, **J. Rossjohn** and A.G. Brooks, *REVIEW: The Ly49 natural killer cell receptors: a versatile tool for viral self-discrimination*. Immunol Cell Biol, 2014. **92**(3): p. 214-220 Category: Cell Biology **Impact Factor: 4.205** Ranking: 71/185 [BCH]
26. **Berry, R.**, **J.P. Vivian**, **F.A. Deuss**, **G.R. Balaji**, P.M. Saunders, J. Lin, **D.R. Littler**, A.G. Brooks and **J. Rossjohn**, *The Structure of the Cytomegalovirus-Encoded m04 Glycoprotein, a Prototypical Member of the m02 Family of Immuno-evasins*. J Biol Chem, 2014. **289**(34): p. 23753-23763 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [BCH]
27. Bertrand, A.T., C.G. Bonnemann, G. Bonne, F.H.L.m.c. including and **C.A. Mitchell**, *199th ENMC international workshop: FHL1 related myopathies, June 7-9, 2013, Naarden, The Netherlands*. Neuromuscul Disord, 2014. **24**(5): p. 453-62 Category: Clinical Neurology **Impact Factor: 3.134** Ranking: 54/194 [BCH]
28. Bettaieb, A., Y. Xi, E. Hosein, N. Coggins, S. Bachaalany, **F. Wiede**, S. Perez, S.M. Griffey, J. Sastre, **T. Tiganis** and F.G. Haj, *Pancreatic T cell protein-tyrosine phosphatase deficiency ameliorates cerulein-induced acute pancreatitis*. Cell Commun Signal, 2014. **12**: p. 13.1-11 Category: Cell Biology **Impact Factor: 4.672** Ranking: 57/185 [BCH]
29. **Bhati, M.**, D.K. Cole, J. McCluskey, A.K. Sewell and **J. Rossjohn**, *REVIEW: The versatility of the alphabeta T-cell antigen receptor*. Protein Sci, 2014. **23**(3): p. 260-272 Category: Biochemistry & Molecular Biology **Impact Factor: 2.861** Ranking: 146/291 [BCH]
30. Bhattacharya, S., Z. Liang, **A.J. Quek**, V.A. Ploplis, **R. Law** and F.J. Castellino, *Dimerization is not a determining factor for functional high affinity human plasminogen binding by the group A streptococcal virulence factor PAM and is mediated by specific residues within the PAM a1a2 domain*. J Biol Chem, 2014. **289**(31): p. 21684-21693 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [BCH]
31. Birch, S.E., J.G. Kench, E. Takano, P. Chan, A.L. Chan, K. Chiam, A.S. Veillard, P. Stricker, S. Haupt, **Y. Haupt**, L. Horvath and S.B. Fox, *Expression of E6AP and PML predicts for prostate cancer progression and cancer specific death*. Ann Oncol, 2014. **25**(12): p. 2392-2397 Category: Oncology **Impact Factor: 6.578** Ranking: 18/202 [BCH]
32. **Bird, A.D.**, **Y.L. Choo**, S.B. Hooper, **A.R. McDougall** and **T.J. Cole**, *Mesenchymal glucocorticoid receptor regulates the development of multiple cell layers of the mouse lung*. Am J Respir Cell Mol Biol, 2014. **50**(2): p. 419-428 Category: Biochemistry & Molecular Biology **Impact Factor: 4.109** Ranking: 80/291 [BCH]
33. **Bird, C.H.**, M.E. Christensen, M.S. Mangan, **M.D. Prakash**, K.A. Sedelies, M.J. Smyth, **I. Harper**, N.J. Waterhouse and **P.I. Bird**, *The granzyme B-Serpinb9 axis controls the fate of lymphocytes after lysosomal stress*. Cell Death Differ, 2014. **21**: p. 876-887 Category: Biochemistry & Molecular Biology **Impact Factor: 8.385** Ranking: 25/291 [BCH]
34. **Birkinshaw, R.W.**, L. Kjer-Nielsen, S.B. Eckle, J. McCluskey and **J. Rossjohn**, *MAITs, MR1 and vitamin B metabolites*. Curr Opin Immunol, 2014. **26**: p. 7-13 Category: Immunology **Impact Factor: 7.867** Ranking: 11/144 [BCH]
35. Birnbaum, M.E., **R. Berry**, Y.S. Hsiao, Z. Chen, **M.A. Shingu-Vazquez**, X. Yu, D. Waghray, S. Fischer, J. McCluskey, **J. Rossjohn**, T. Walz and K.C. Garcia, *Molecular architecture of the alphabeta T cell receptor-CD3 complex*. Proc Natl Acad Sci U S A, 2014. **111**(49): p. 17576-17581 Category: Multidisciplinary Sciences **Impact Factor: 9.809** Ranking: 4/55 [BCH]

36. Bleackley, M.R., B.M. Hayes, K. Parisi, T. Saiyed, **A. Traven**, I.D. Potter, N.L. van der Weerden and M.A. Anderson, *Bovine Pancreatic Trypsin Inhibitor is a New Antifungal Peptide that Inhibits Cellular Magnesium Uptake*. Mol Microbiol, 2014. **92**(6): p. 1188-1197 Category: Biochemistry & Molecular Biology **Impact Factor: 5.026** Ranking: 56/291 [BCH]
37. **Boude**s, M., **D. Garriga** and **F. Coulibaly**, *Reflections on the many facets of protein microcrystallography*. Aust J Chem, 2014. **67**(12): p. 1793-1806 Category: Chemistry, Multidisciplinary **Impact Factor: 1.644** Ranking: 66/148 [BCH]
38. **Boude**s, M., D. Sanchez, M. Graille, H. van Tilbeurgh, D. Durand and S. Quevillon-Cheruel, *Structural insights into the dimerization of the response regulator ComE from Streptococcus pneumoniae*. Nucleic Acids Res, 2014. **42**(8): p. 5302-5313 Category: Biochemistry & Molecular Biology **Impact Factor: 8.808** Ranking: 22/291 [BCH]
39. Boyd, A.W., P.F. Bartlett and **M. Lackmann**, *Therapeutic targeting of EPH receptors and their ligands*. Nat Rev Drug Discov, 2014. **13**(1): p. 39-62 Category: Biotechnology & Applied Microbiology **Impact Factor: 37.231** Ranking: 2/165 [BCH]
40. Brasacchio, D., T. Noori, C. House, A.J. Brennan, K.J. Simpson, O. Susanto, **P.I. Bird**, R.W. Johnstone and J.A. Trapani, *A functional genomics screen identifies PCAF and ADA3 as regulators of human granzyme B-mediated apoptosis and Bid cleavage*. Cell Death Differ, 2014. **21**(5): p. 748-760 Category: Biochemistry & Molecular Biology **Impact Factor: 8.385** Ranking: 25/291 [BCH]
41. Brennan, R.M., J.M. Burrows, T. Elliott, M.A. Neller, **S. Gras**, **J. Rossjohn**, J.J. Miles and S.R. Burrows, *CORRESPONDENCE: Missense single nucleotide polymorphisms in the human T cell receptor loci control variable gene usage in the T cell repertoire*. Br J Haematol, 2014. **166**(1): p. 148-152 Category: Hematology **Impact Factor: 4.959** Ranking: 11/68 [BCH]
42. Breugelmans, B., A.R. Jex, P.K. Korhonen, S. Mangiola, N.D. Young, P.W. Sternberg, **P.R. Boag**, A. Hofmann and R.B. Gasser, *Bioinformatic exploration of RIO protein kinases of parasitic and free-living nematodes*. Int J Parasitol, 2014. **44**(11): p. 827-836 Category: Parasitology **Impact Factor: 3.404** Ranking: 7/36 [BCH]
43. Bryant, S.L., J.C. Francis, I.B. Lokody, **H. Wang**, **G.P. Risbridger**, **K.L. Loveland** and A. Swain, *Sex specific retinoic acid signaling is required for the initiation of urogenital sinus bud development*. Dev Biol, 2014. **395**(2): p. 209-217 Category: Developmental Biology **Impact Factor: 3.637** Ranking: 9/41 [ANT,BCH]
44. Bussieres-Marmen, S., A.P. Hutchins, A. Schirbel, N. Rebert, **T. Tiganis**, C. Fiocchi, D. Miranda-Saavedra and M.L. Tremblay, *Characterization of PTPN2 and its use as a biomarker*. Methods, 2014. **65**(2): p. 239-246 Category: Biochemistry & Molecular Biology **Impact Factor: 3.221** Ranking: 114/291 [BCH]
45. Busuttil, R.A., G.V. Zapparoli, S. Haupt, C. Fennell, S.Q. Wong, J.M. Pang, E.A. Takeno, C. Mitchell, N. Di Costanzo, S. Fox, **Y. Haupt**, A. Dobrovic and A. Boussioutas, *Role of p53 in the progression of gastric cancer*. Oncotarget, 2014. **5**(23): p. 12016-12026 Category: Oncology **Impact Factor: 6.627** Ranking: 17/203 [BCH]
46. **Cerqueira**, G.M., **X. Kostoulis**, **C. Khoo**, **I. Aibinu**, **Y. Qu**, **A. Traven** and **A.Y. Peleg**, *A Global Virulence Regulator in Acinetobacter baumannii and Its Control of the Phenylacetic Acid Catabolic Pathway*. J Infect Dis, 2014. **210**(1): p. 46-55 Category: Infectious Diseases **Impact Factor: 5.778** Ranking: 5/70 [BCH]
47. **Chai**, R.C., **M.M. Kouspou**, **B.J. Lang**, **C.H. Nguyen**, **A.G. van der Kraan**, **J.L. Vieusseux**, **R.C. Lim**, **M.T. Gillespie**, I.J. Benjamin, **J.M. Quinn** and **J.T. Price**, *Molecular stress-inducing compounds increase osteoclast formation in a heat shock factor 1 protein-dependent manner*. J Biol Chem, 2014. **289**(19): p. 13602-13614 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [BCH]

48. Chan, L. and **L.H. Wong**, *Telomere epigenetics in stem cells and cancers*, in *Australian Biochemist*. 2014, Manning Printers: Australia. p. 7-11 [**BCH**]
49. Chang, C.C.H., **J. Song**, B.T. Tey and B. Ramanan, *Bioinformatics approaches for improved recombinant protein production in Escherichia coli: protein solubility prediction*. *Brief Bioinform*, 2014. **15**(6): p. 953-962 Category: Biochemical Research Methods **Impact Factor: 5.919** Ranking: 7/78 [**BCH**]
50. **Chen, J.L.**, K.L. Walton, C.E. Winbanks, K.T. Murphy, R.E. Thomson, Y. Makanji, H. Qian, G.S. Lynch, **C.A. Harrison** and **P. Gregorevic**, *Elevated expression of activins promotes muscle wasting and cachexia*. *FASEB J*, 2014. **28**(4): p. 1711-1723 Category: Biochemistry & Molecular Biology **Impact Factor: 5.480** Ranking: 47/291 [**BCH,ANT**]
51. Combes, A.N., **K.M. Short**, J. Lefevre, N.A. Hamilton, M.H. Little and **I.M. Smyth**, *An integrated pipeline for the multidimensional analysis of branching morphogenesis*. *Nat Protoc*, 2014. **9**(12): p. 2859-2879 Category: Biochemical Research Methods **Impact Factor: 7.782** Ranking: 3/78 [**BCH,ANT**]
52. **Conroy, P.J.**, **R.H. Law**, S. Gilgunn, S. Hearty, T.T. Caradoc-Davies, **G. Lloyd**, R.J. O'Kennedy and **J.C. Whisstock**, *Reconciling the Structural Attributes of Avian Antibodies*. *J Biol Chem*, 2014. **289**(22): p. 15384-15392 Category: Biochemistry & Molecular Biology **Impact Factor: 4.600** Ranking: 65/291 [**BCH**]
53. Conroy, T., J.T. Guo, N. Elias, K.M. Cergol, J. Gut, J. Legac, L. Khatoon, Y. Liu, **S. McGowan**, P.J. Rosenthal, N.H. Hunt and R.J. Payne, *Synthesis of gallinamide analogues as potent falcipain inhibitors and antimalarials*. *J Med Chem*, 2014. **57**(24): p. 10557-10563 Category: Chemistry, Medicinal **Impact Factor: 5.480** Ranking: 3/58 [**BCH**]
54. Corbett, A.J., S.B. Eckle, **R.W. Birkinshaw**, L. Liu, **O. Patel**, J. Mahony, Z. Chen, R. Reantragoon, B. Meehan, H. Cao, N.A. Williamson, R.A. Strugnell, D. Van Sinderen, J.Y. Mak, D.P. Fairlie, L. Kjer-Nielsen, **J. Rossjohn** and J. McCluskey, *T-cell activation by transitory neo-antigens derived from distinct microbial pathways*. *Nature*, 2014. **509**: p. 361-365 Category: Multidisciplinary Sciences **Impact Factor: 42.351** Ranking: 1/55 [**BCH**]
55. Cruz-Gallardo, I., A. Aroca, **M.J. Gunzburg**, **A. Sivakumaran**, J.H. Yoon, J. Angulo, C. Persson, M. Gorospe, B.G. Karlsson, **J.A. Wilce** and I. Diaz-Moreno, *The binding of TIA-1 to RNA C-rich sequences is driven by its C-terminal RRM domain*. *RNA Biol*, 2014. **11**(6): p. 1-X Category: Biochemistry & Molecular Biology **Impact Factor: 5.377** Ranking: 50/291 [**BCH**]
56. **Czech, D.P.**, **J. Lee**, J. Correia, H. Loke, E.K. Moller and **V.R. Harley**, *Transient neuroprotection by SRY upregulation in dopamine cells following injury in males*. *Endocrinology*, 2014. **155**(7): p. 2602-2612 Category: Endocrinology & Metabolism **Impact Factor: 4.644** Ranking: 24/123 [**BCH,ANT**]
57. **Dagley, L.F.**, **N.P. Croft**, R. Isserlin, J.B. Olsen, V. Fong, A. Emili and **A.W. Purcell**, *Discovery of novel disease-specific and membrane-associated candidate markers in a mouse model of multiple sclerosis*. *Mol Cell Proteomics*, 2014. **13**(3): p. 679-700 Category: Biochemical Research Methods **Impact Factor: 7.254** Ranking: 4/78 [**BCH**]
58. **Dagley, L.F.**, C.A. White, Y. Liao, W. Shi, G.K. Smyth, J.M. Orian, A. Emili and **A.W. Purcell**, *Quantitative proteomic profiling reveals novel region-specific markers in the adult mouse brain*. *Proteomics*, 2014. **14**(2-3): p. 241-261 Category: Biochemical Research Methods **Impact Factor: 3.973** Ranking: 14/78 [**BCH**]
59. **D'Arcy, C.E.**, **S.J. Feeney**, C.A. McLean, S.M. Gehrig, G.S. Lynch, **J.E. Smith**, B.S. Cowling, **C.A. Mitchell** and **M.J. McGrath**, *Identification of FHL1 as a therapeutic target for Duchenne muscular dystrophy*. *Hum Mol Genet*, 2014. **23**(3): p. 618-636 Category: Biochemistry & Molecular Biology **Impact Factor: 6.677** Ranking: 32/291 [**BCH**]

60. de Jong, A., T.Y. Cheng, S. Huang, S. Gras, R.W. Birkinshaw, A.G. Kasmar, I. Van Rhijn, V. Pena-Cruz, D.T. Ruan, J.D. Altman, **J. Rossjohn** and D.B. Moody, *CD1a-autoreactive T cells recognize natural skin oils that function as headless antigens*. Nat Immunol, 2014. **15**(2): p. 177-85 Category: Immunology **Impact Factor: 24.973** Ranking: 3/144 [BCH]
61. **Deveson Lucas, D.S., M. Lo, D.M. Bulach, N.S. Quinsey, G.L. Murray**, A. Allen and **B. Adler**, *Recombinant LipL32 stimulates interferon-gamma production in cattle vaccinated with a monovalent Leptospira borgpetersenii serovar Hardjo subtype Hardjobovis vaccine*. Vet Microbiol, 2014. **169**(3-4): p. 163-170 Category: Microbiology **Impact Factor: 2.726** Ranking: 50/119 [MICRO,BCH]
62. Diesch, J., **R.D. Hannan** and E. Sanij, *REVIEW: Perturbations at the ribosomal genes loci are at the centre of cellular dysfunction and human disease* Cell BioSci, 2014. **4**(43): p. 1-11 Category: Biochemistry & Molecular Biology **Impact Factor: 3.210** Ranking: 115/291 [BCH]
63. Diesch, J., E. Sanij, O. Gilan, C. Love, H. Tran, N.I. Fleming, J. Ellul, M. Amalia, I. Haviv, R.B. Pearson, E. Tulchinsky, J.M. Mariadason, O.M. Sieber, **R.D. Hannan** and A.S. Dhillon, *Widespread FRA1-Dependent Control of Mesenchymal Transdifferentiation Programs in Colorectal Cancer Cells*. PLoS One, 2014. **9**(3): p. e88950.1-11 Category: Multidisciplinary Sciences **Impact Factor: 3.534** Ranking: 8/55 [BCH]
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