

## Number of publications

Primary: 393

Book Chapters: 21

Total: 414

### Primary

- Adams, V., I.S. Lucet, I.S., Tynan, F. E., Chiarezza, M., Howarth, P.M., Kim, J., Rossjohn, J., Lyras, D., and Rood, J.I. *Two distinct regions of the large serine recombinase TnpX are required for DNA binding and biological function.* Mol Microbiol, 2006. **60**(3): p. 591-601. **BCH, MICRO**
- Al-Ghafra, A., Brennecke, S.P., King, R.G., and Gude, N.M. *Expression of adrenomedullin mRNA is altered with gestation and labour in human placenta and fetal membranes.* Clin Sci (London), 2006. **110**(3): p. 337-342. **PHARM**
- Al-Ghafra, A., Gude, N.M., Brennecke, S.P., and King, R.G. *Increased adrenomedullin protein content and mRNA expression in human fetal membranes but not placental tissue in pre-eclampsia.* Mol Human Reprod, 2006. **12**(3): p. 181-186. **PHARM**
- Allingham, P.G., Brownlee, G.R., Harper, G.S., Pho, M., Nilsson, S.K., and Brown, T.J. *Gene expression, synthesis and degradation of hyaluronan during differentiation of 3T3-L1 adipocytes.* Arch Biochem Biophys, 2006. **452**(1): p. 83-91. **BCH**
- Allen, T.J., Butler, J., Taylor, J., and Gandevia, S.C. *Length-dependent changes in voluntary activation, maximum voluntary torque and twitch responses after eccentric damage in humans.* J Physiol, 2006. **571**(Pt 1): p. 243-252. **PHY**
- Allen, T.J., and Proske, U. *Effect of muscle fatigue on the sense of limb position and movement.* Exp Brain Res, 2006. **170**(1): p. 30-38. **PHY**
- Alvisi, G., Poon I.K., and Jans, D.A. *Tumor-specific nuclear targeting: Promises for anti-cancer therapy?* Drug Resist Updat, 2006. **9**(1-2): p. 40-50. **BCH**
- Alvisi, G., Jans, D.A., and Ripalti, A. *Human Cytomegalovirus (HCMV) DNA Polymerase Processivity Factor ppUL44 Dimerizes in the Cytosol before Translocation to the Nucleus.* Biochemistry, 2006. **45**(22): p. 6866-6872. **BCH**
- Anakk, S., Huang, W., Staudinger, J. L., Tan, K., Cole, T.J., Moore, D.D., and Strobel, H.W. *Gender dictates the nuclear receptor mediated regulation of CYP3A4.* Drug Metab Dispos, 2006. (E-pub ahead of print). **BCH**
- Anderson, P.J., Netherway, D., Cox, T.C., Rosciolo, T., and David, D. *Do Craniosynostosis syndrome Phenotypes with both FGFR2 and TWIST mutations have a worse clinical outcome?* The Journal of Craniofacial Surgery, 17(1): p. 166-172 2006. **ANT**
- Anderson, W.P., Cordner, C.D., and Breen, K.J. *Strengthening Australia's framework for research oversight. All stakeholders should contribute to enhancing Australia's guidelines for ethical research.* Med J Aust, 2006. **184**(6): p. 261-263. **PHY**
- Andrews P.C., Junk P.C., Massimiliano M., and Silberstein M. *Gelation of La(III) cations by 5-(2-pyridyl) tetrazolate and water.* Chem Commun (Camb), 2006. **31**: p. 3317-3319. **RAD**
- Ansems, G.E., Allen, T.J., and Proske, U. *Position sense at the human forearm in the horizontal plane during loading and vibration of elbow muscles.* J Physiol, 2006. **576**(Pt 2): p. 445-455. **PHY**
- Aoki, C.A., Roifman, C.M., Lian, Z.X., Bowls, C.L., Norman, G.L., Shoenfeld, Y. Mackay, I.R., and Gershwin, M.E. *IL-2 receptor alpha deficiency and features of primary biliary cirrhosis.* J Autoimmun, 2006. **27**(1): p. 50-53. **BCH**
- Archbold, J.K., Macdonald, W.A., Miles, J.J., Brennan, R.M., Kjer-Nielsen, L., McCluskey, J., Burrows, S.R., and Rossjohn, J. *Alloreactivity between disparate cognate and allogeneic pMHC-I complexes is resultant of highly focused, peptide-dependent structural mimicry.* J Biol Chem, 2006. **281**(45): p. 34324-34332. **BCH**
- Arthur, J.F., Shen, Y., Mu, F.T., Leon, C., Gachet, C., Berndt, M.C., and Andrews, R.K. *Calmodulin interacts with the platelet ADP receptor P2Y 1.* Biochem J, 2006. **398**(3): p. 339-343. **BCH**
- Astle, M.V., Seaton, G., Davies, E.M., Fedele, C.G., Rahman, P., Arsala, L., and Mitchell, C.A. *Regulation of phosphoinositide signaling by the inositol polyphosphate 5-phosphatases.* IUBMB Life, 2006. **58**(8): p. 451-456. **BCH**
- Atkin, J., Farg, M., Turner, B., Tomas, D., Lysaght, D., Nunan, J., Rembach, A., Nagley, P., Beart, P., Cheema, S., and Horne, M. *Induction of the unfolded protein response in familial amyotrophic lateral sclerosis and association of protein disulfide isomerase with superoxide dismutase 1.* J Biol Chem, 2006. (E-pub ahead of print). **BCH**
- Autelitano, D.J., Rajic, A., Smith, A.I., Berndt, M.C., Ilag, L.L., and Vadas, M. *The cryptome: a subset of the proteome, comprising cryptic peptides with distinct bioactivities.* Drug Discov Today, 2006. **11**(7-8): p. 306-314. **BCH**
- Azari, M.F., Profyris, C., Karnezis, T., Bernard, C.C., Small, D.H., Cheema, S.S., Ozturk, E., Hatzinisiriou, I., and Petratos, S. *Leukemia Inhibitory Factor Arrests Oligodendrocyte Death and Demyelination in Spinal Cord Injury.* J Neuropathol Exp Neurol, 2006. **65**(9): p. 914-929. **BCH**
- Baczkowski K., Marks P., Silberstein M., and Schneider-Kolsky, M.E. *A new look into kicking a football: an investigation of muscle activity using MRI.* Australas Radiol, 2006. **50**(4): p.324-329. **RAD**
- Bannam, T.L., Teng, W.L., Bulach, D., Lyras, D., and Rood, J.I. *Functional identification of conjugation and replication regions of the tetracycline resistance plasmid pCW3 from Clostridium perfringens.* J Bacteriol, 2006. **188**(13): p. 4942-4951. **MICRO**
- Baran, K., Ciccone, A., Peters, C., Yagita, H., Bird, P.I., Villadangos, J. A., and Trapani, J.A. *Cytotoxic T lymphocytes from cathepsin B-deficient mice survive normally in vitro and in vivo after encountering and killing target cells.* J Biol Chem, 2006. (E-pub ahead of print). **BCH**
- Barber, M.N., Kanagasundaram, M., Anderson, C.R., Burrell, L.M., and Woods, R.L. *Vascular neutral endopeptidase inhibition improves endothelial function and reduces intimal hyperplasia.* Cardiovascular Research, 2006. **71**(1): p. 179-206. **PHARM**
- Bathgate, R.A., Ivell, R., Sanborn, B. M., Sherwood, O.D., and Summers, R.J. *International Union of Pharmacology LVII: recommendations for the nomenclature of receptors for relaxin family peptides.* Pharmacol Rev, 2006. **58**(1): p. 7-31. **PHARM**
- Beardsley, A., Robertson, D., and O'Donnell, L. *A complex containing B1-integrin and phosphorylated focal adhesion kinase between Sertoli cells and elongated spermatids during spermatid release from the seminiferous epithelium.* J Endocrinol. 2006. **190**(3): p. 759-770. **ANT**
- Beckham, S.A., Law, R.H., Smooker, P.M., Quinsey, N.S., Caffrey, C.R., McKerrow, J.H., Pike, R.N., and Spithill, T.W. *Production and processing of a recombinant Fasciola hepatica cathepsin B-like enzyme (FhcatB1) reveals potential processing mechanisms in the parasite.* Biol Chem, 2006. **387**(8): p. 1053-1061. **BCH**
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- Berndt, M.C., Cranmer, S.L., and Andrews, R.K. *Filamin A interaction with GPIIb(alpha): the platelet shapes up.* Blood, 2006. **107**(5): p. 1745. **BCH**
- Billiards, S.S., Nguyen, P.N., Scheerlinck, J.P., Phillips, D.J., Canny, B.J., Walker, D.W., and Hirst, J.J. *Hypoxia potentiates endotoxin-induced allopregnanolone concentrations in the newborn brain.* Biol Neonate, 2006. **90**(4): p. 258-267. **PHY**
- Bishop, E., Melvani, S., Howden, B. P., Charles, P.G., and Grayson, M. L. *Good clinical outcomes but high rates of adverse reactions during linezolid therapy for serious infections: a proposed protocol for monitoring therapy in complex patients.* Antimicrob Agents Chemother, 2006. **50**(4): p. 1599-1602. **MICRO**
- Bishop, E.J., Grabsch, E.A., Ballard, S.A., Mayall, B., Xie, S., Martin, R., and Grayson, M.L. *Concurrent analysis of nose and groin swab specimens by the IDI-MRSA PCR assay is comparable to analysis by individual-specimen PCR and routine culture assays for detection of colonization by methicillin-resistant Staphylococcus aureus.* J Clin Microbiol, 2006. **44**(8): p. 2904-2908. **MICRO**

#### Key:

<b>ANT</b>	Anatomy and Cell Biology
<b>BCH</b>	Biochemistry and Molecular Biology
<b>MICRO</b>	Microbiology
<b>MISCL</b>	Monash Immunology and Stem Cell Laboratories
<b>PHARM</b>	Pharmacology
<b>PHY</b>	Physiology
<b>RAD</b>	Medical Imaging and Radiation Sciences

- Boscariol, R., Pleasance, J., Piedrafitra, D.M., Raadsma, H.W., and Spithill, T.W. *Identification of two allelic forms of ovine CD4 exhibiting a Ser183/Pro183 polymorphism in the coding sequence of domain 3*. Vet Immunol Immunopathol, 2006. **113**(3-4): p. 305-312. **PHY**
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- Bourne, J.A., and Rosa, M.G. *Hierarchical development of the primate visual cortex, as revealed by neurofilament immunoreactivity: Early maturation of the Middle Temporal Area (MT)*. Cerebral Cortex, 2006. **16**(3): p. 405-414. **PHY**
- Bowden, S. *Serological and Molecular Diagnosis*. Semin Liver Dis, 2006. **26**(2): p. 97-103. **MICRO**
- Boyce, J.D., and Adler, B. *How does Pasteurella multocida respond to the host environment?* Curr Opin Microbiol, 2006. **9**(1): p. 117-122. **MICRO**
- Boyce, J.D., Cullen, P.A., Nguyen, V., Wilkie, I., and Adler, B. *Analysis of the Pasteurella multocida outer membrane sub-proteome and its response to the in vivo environment of the natural host*. Proteomics, 2006. **6**(3): p. 870-880. **MICRO**
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- Brace, R.A., Cheung, C.Y., Davis, L. E., Gagnon, R., Harding, R., and Widness, J.A. *Sources of amniotic fluid erythropoietin during normoxia and hypoxia in fetal sheep*. Am Jnl Obs Gyn. 2006. **195**: p. 246-254. **ANT**
- Bromfield, K.M., Quinsey, N.S., Duggan, P.J., and Pike, R.N. *Approaches to selective peptidic inhibitors of factor xa*. Chem Biol Drug Des, 2006. **68**(1): p. 11-19. **BCH**
- Bubb, K.J., Cock, M.L., Black, M.J., Dodic, M., Boon, W.M., Parkington, H.C., Harding, R., and Tare, M. *Intrauterine growth restriction delays cardiomyocyte maturation and alters coronary artery function in the fetal sheep*. J Physiol, 2006. (E-pub ahead of print). **PHY, ANT**
- Budzyn, K., Marley P.D., and Sobey, C.G. *Targeting Rho and Rho-kinase in the treatment of cardiovascular disease*. Trends Pharmacol Sci, 2006. **27**(2): p. 97-104. **PHARM**
- Budzyn, K., Paull, M., Marley, P.D., and Sobey, C.G. *Segmental differences in the roles of rho-kinase and protein kinase C in mediating vasoconstriction*. J Pharmacol Exp Ther. 2006. **317**(2): p. 791-796. **PHARM**
- Bulach, D.M., Zuerner, R.L., Wilson, P., Seemann, T., McGrath, A., Cullen, P.A., Davis, J., Johnson, M., Kuczek, E., Alt, D.P., Peterson-Burch, B., Coppel, R.L., Rood, J.I., Davies, J.K., and Adler, B. *Genome reduction in Leptospira borgpetersenii reflects limited transmission potential*. Proc Natl Acad Sci U S A, 2006. **103**(39): p. 14560-14565. **MICRO**
- Burman, K.J., Palmer, S.M., Gamberini, M., and Rosa, M.G. *Cytoarchitectonic subdivisions of the dorsolateral frontal cortex of the marmoset monkey (Callithrix jacchus), and their projections to dorsal visual areas*. J Comp Neurol, 2006. **495**(2): p. 149-172. **PHY**
- Burton, K., Simmons, R.M., Sleep, J. (=a) Simmons R.M., Burton, K., and Smith, D.A. (=b), (a) *Kinetics of force recovery following length changes in active skinned single fibres from rabbit psoas muscle* : (b) *with an Appendix: Analysis and modelling of the late recovery phase*. J Physiol, 2006. **573**(Pt 2): p. 305-328. **PHY**
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- Buzza, M.S., and Bird, P.I. *Extracellular granzymes: current perspectives*. Biol Chem, 2006. **387**(7): p. 827-837. **BCH**
- Buzza, M.S., Hosking, P., and Bird, P.I. *The granzyme B inhibitor, PI-9, is differentially expressed during placental development and up-regulated in hydatidiform moles*. Placenta, 2006. **27**(1): p. 62-69. **BCH**
- Cabrita, L.D., Dai, W., and Bottomley, S.P. *A family of E. coli expression vectors for laboratory scale and high throughput soluble protein production*. BMC Biotechnol, 2006. **6**(1): p. 12. **BCH**
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- Caruana, G., Young, R.J., and Bertram, J.F. *Imaging the embryonic kidney*. Nephron Exp Nephrol. 2006. **103**(2): p. E62-E68. **ANT**
- Caruana, G., Cullen-McEwen, L.A., Nelson, A.L., Mantziros, X.P., Woods, K., Gardiner, B., Davis, M., Taylor, D., Teasdale, R., Grimmond, S.M., and Little, M.H. *Spatial gene expression in the T-stage mouse Metanephros*. Gene Expression Patterns, 2006. **6**(8): p. 807-825. **ANT**
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- Chan, H-W., Jenkins, A., Pipolo, L., Hannan, R.D., Thomas, W.G., and Smith, N.J. *Effect of dominant-negative epidermal growth factor receptors on cardiomyocyte hypertrophy*. J Recept Signal Transduct Res, 2006. **26**(5-6): p. 659-677. **BCH**
- Chan, W-C., Smith, N.J., Hannan, R. D., and Thomas, W.G. *Tackling the EGFR in pathological tissue remodelling*. Pul Pharm Therap, 2006. **19**(1): p. 74-78. **BCH**
- Chen, V.M., Ahamed, J., Versteeg, H.H., Berndt, M.C., Ruf, W., and Hogg, P.J. *Evidence for Activation of Tissue Factor by an Allosteric Disulfide Bond*. Biochemistry, 2006. **45**(39): p. 12020-12028. **BCH**
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- Chrissobolis, S., and Sobey, C.G. *Recent evidence for an involvement of Rho-Kinase in cerebral vascular disease*. Stroke, 2006. **37**(8): p. 2174-2180. **PHARM**
- Chow, M., Amin, A., Fulton, K., Fernando, T., Kamau, L., Batty, C., Louca, M., Ho, S., Whisstock, J., Bottomley, S.P., and Buckle, A. *The REFOLD database: a tool for the optimization of protein expression and refolding*. Nuc Acid Res, 2006. **34**(Database issue): p. D207-D212. **BCH**
- Chuang, Y.H., Lian, Z.X., Tsuneyama, K., Chiang, B.L., Ansari, A.A., Coppel, R.L., and Gershwin, M.E. *Increased killing activity and decreased cytokine production in NK cells in patients with primary biliary cirrhosis*. J Autoimmun, 2006. **26**(4): p. 232-240. **MICRO**
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- Clarke, C., Kuruppu, S., Reeve, S., Smith A.I, and Hodgson, W.C. *Oxyleptoxin-1, a reversible neurotoxin from the venom of the inland taipan (Oxyuranus microlepidotus)*. Peptides, 2006. **27**(11): p. 2655-2660. **PHARM, BCH**
- Clarke, I.J., Scott, C.J., Pereira, A., and Pompolo, S. *The role of noradrenaline in the generation of the preovulatory LH surge in the ewe*. Domestic Animal Endo, 2006. **30**(4): p. 260-275. **PHY**
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- Clempus, R.E., Sorescu, D., Dikalova, A.E., Pounkova, K., Jo, P., Sorescu, G.P., Schmidt, H.H.H.W., Lassegue, B., and Griendling, K.K. *Nox4 is required for maintenance of the differentiated vascular smooth muscle cell phenotype*. Arterioscler Thromb Vasc Biol, 2006. (E-pub ahead of print). **PHARM**

# Publications

- Coffey, V.G., Shield, A., Canny, B.J., Carey, K.A., Cameron-Smith, D., and Hawley, J.A. *Interaction of contractile activity and training history on mRNA abundance in skeletal muscle from trained athletes*. Am J Physiol Endocrinol Metab, 2006. 290(5): p. E849-E855. **PHY**
- Cooke, B.M., Buckingham, D.W., Glenister, F.K., Fernandez, K.M., Bannister, L.H., Marti, M., Mohandas, N., and Coppel, R.L. *A Maurer's cleft-associated protein is essential for expression of the major malaria virulence antigen on the surface of infected red blood cells*. J Cell Biol, 2006. 172(6): p. 899-908. **MICRO**
- Counihan, N.A., Daniel, L.M., Chojnacki, J., and Anderson, D.A. *Infrared fluorescent immunofocus assay (IR-FIFA) for the quantitation of non-cytopathic and minimally cytopathic viruses*. J Virol Methods, 2006. 133(1): p. 62-69. **MICRO**
- Cristiano, B.E., Chan, J.C., Hannan, K.M., Lundie, N.A., Marmy-Conus, N.J., Campbell, I.G., Phillips, W.A., Robbie, M., Hannan, R.D., and Pearson, R.B. *A specific role for AKT3 in the genesis of ovarian cancer through modulation of G2-M phase transition*. Cancer Research, 2006. 66(4): p. 11718-11725. **BCH**
- Cropley, V.L., Fujita, M., Innis, R.B., and Nathan, P.J. *Molecular imaging of the dopaminergic system and its association with human cognitive function*. Biol Psychiatry, 2006. 59(10): p. 898-907. **PHY**
- Cropley, V.L., Fujita, M., Musachio, J. L., Hong, J., Ghose, S., Sangare, J., Nathan, P.J., Pike, V.W., and Innis, R.B. *Whole-body biodistribution and estimation of radiation-absorbed doses of the dopamine D1 receptor radioligand 11C-NNC 112 in humans*. J Nucl Med, 2006. 47(1): p. 100-104. **PHY**
- Cullen, P.A., and Cameron, C.E. *Progress towards an effective syphilis vaccine: the past, present and future*. Expert Rev Vaccines, 2006. 5(1): p. 67-80. **MICRO**
- Danchaivijitr, N., Cox, T.C., Saunders, D.E., and Ganesan, V. *Evolution of cerebral arteriopathies in childhood arterial ischemic stroke*. Ann Neurol, 2006. 59(4): p.620-626. **ANT**
- Day, B.W., Smith, F.M., Chen, K., McCarron, J.K., Herath, N.I., Lackmann, M., and Boyd, A.W. *Eph/Ephrin Membrane Proteins: A Mammalian Expression Vector pTlg-BOS-Fc Allowing Rapid Protein Purification*. Protein Pept Lett, 2006. 13(2): p. 193-196. **BCH**
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- Denham, M., Cole, T.C., and Mollard, R. *Embryonic stem cells form glandular structures and express surfactant protein C following culture with dissociated fetal respiratory tissue*. Am J Physiol Lung Cell Mol Physiol, 2006. 290(6): p. L1210-L1215. **BCH**
- Denham, M., Huynh, T., Dottori, M., Allen, G., Trounson, A., and Mollard, R. *Neural stem cells express non-neural markers during embryoid body coculture*. Stem Cells, 2006. 24(4): p. 918-927. **BCH, MISCL**
- Denton, D.A. *Can adult cardiovascular disease be programmed in utero?* J Hyper, 2006. 24(7): p. 1245-1247. **PHY**
- Denton, K., and C. Baylis. *Physiological and molecular mechanisms governing sexual dimorphism of kidney, cardiac, and vascular function*. Am J Physiol Regul Integr Comp Physiol, 2007. 292(2): p. R697-R699. **PHY**
- Denton, K.M. *Intricacies of brain angiotensin II signalling pathways*. J Hyper, 2006. 33(3): p. 273-279. **PHY**
- Dickinson, H., Walker, D.W., Wintour-Coghlan, M.E., and Moritz, K.M. *Maternal dexamethasone treatment at midgestation reduces nephron number and alters renal gene expression in the fetal spiny mouse*. Am J Physiol Regul Integr Comp Physiol, 2006. (E-pub ahead of print). **ANT**
- Djouma, E., Card, K., Lodge, D.J., and Lawrence, A.J. *The CRF1 receptor antagonist, antalarmin, reverses isolation-induced up-regulation of dopamine D2 receptors in the amygdala and nucleus accumbens of fawn-hooded rats*. Eur J Neurosci, 2006. 23(12): p. 3319-3327. **PHARM**
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- Douglas, G., Armitage, J.A., Taylor, P.D., Lawson, J.R., Mann, G.E., and Poston, L. *Cardiovascular consequences of life-long exposure to dietary isoflavones in the rat*. J Physiol, 2006. 571(Pt 2): P. 477-487. **ANT**
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- Duffy, M.F., Maier, A.G., Byrne, T.J., Marty, A.J., Elliott, S.R., O'Neill, M.T., Payne, P.D., Rogerson, S.J., Cowman, A.F., Crabb, B.S., and Brown, G.V. *VAR2CSA is the principal ligand for chondroitin sulfate A in two allogeneic isolates of Plasmodium falciparum*. Mol Biochem Parasitol, 2006. 148(2): p. 117-124. **MICRO**
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- Duncan, J.R., Cock, M.L., Suzuki, K., Scheerlinck, J.P., Harding, R., and Rees, S.M. *Chronic endotoxin exposure causes brain injury in the ovine fetus in the absence of hypoxemia*. J Soc Gynecol Investig, 2006. 13(2): p. 87-96. **PHY**
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