

Key Result Areas and Performance Measures

1. Research Findings

1.1. Publications

Articles Published or accepted for publication in 2007 = 53

Books = 1

Book chapters = 3

Invited journal papers = 12

Papers submitted to peer review journals = 41

Percentage with an IF of >5 = 37%

1.2. Number of publications

CBD-associated publications

All CIs and Associate CIs are highlighted in **bold**.

* indicates article solicited by invitation

Books

1. ***Aitken R.J.**, et al (2007) Editors. World Health Organization Laboratory Manual for the Examination of Human Semen and Semen-cervical mucus interaction. Cambridge University Press, Cambridge. (in press)

Articles

1. Ainsworth, C., Jansen, R.P.S., **Nixon, B.** and **Aitken, R.J.** (2007) First recorded pregnancy and normal birth after ICSI using electrophoretically isolated spermatozoa. *Human Reproduction* **22**, 197-200. [Impact factor = 3.49]
2. ***Aitken, R.J.** (2007) Is ART a safe form of therapy for male factor infertility? Editorial. *Expert Review in Obstetrics and Gynaecology*. (in press) [New journal; No Impact factor]
3. ***Aitken, R.J.**, and **Baker, M.A.** (2007) The role of proteomics in understanding sperm cell biology. Proceedings of the Florence-Utah International Symposium on Genetics of Male Infertility. *International Journal of Andrology* (in press) [Impact factor = 2.18]
4. ***Aitken, R.J.**, and Bennetts, L.E. (2007) Reactive oxygen species and their impact on fertility. In, *Diagnosis and treatment of male infertility*, pp. 255-268. S.C. Oehninger and T. Kruger, Editor. Francis and Taylor, Parthenon Publishing Group, London.
5. ***Aitken, R.J.**, and **De Iuliis, G.** (2007) Origins and consequences of DNA damage in male germ cells. *Reproductive Biomedicine Online* **14**, 727-733. [Impact factor = 3.20]
6. ***Aitken, R.J.**, and **De Iuliis, G.** (2007) Value of DNA integrity assays for fertility evaluation. Proceedings of the International Congress on Spermatology. *Society for Reproduction and Fertility Supplement* **65**, 81-92. [No impact factor]

7. ***Aitken R.J.**, and **McLaughlin, E.A.** (2007) Molecular mechanisms of sperm capacitation: progesterone-induced secondary calcium oscillations reflect the attainment of a capacitated state. Proceedings of the International Congress in Gamete Biology. S.F. Gupta, Koyama, K and Murray, J.F. Editors. *Society for Reproduction and Fertility Supplement* **63**, 273-294. [No impact factor]
8. ***Aitken, R.J.**, and **Roman, S.D.** (2007) Antioxidant systems and oxidative stress in the testes. In. *Molecular Mechanisms in Spermatogenesis*. C.Y. Chen, Editor. *Landes Bioscience*, New York. <http://eurekah.com/chapter/3544>.
9. ***Aitken, R.J.**, **Baker, M.A.**, Doncel, G.F., Matzuk, M.M., Mauck, C.K., and Harper, M.J.K. (2007) Improving contraceptive methods: a major contributor to global health. *Journal of Clinical Investigation* (in press) [Impact factor = 15.75].
10. ***Aitken, R.J.**, **Nixon, B.**, Lin M., Koppers, A.J., Lee Y.H and **Baker, M.A.** (2007) Proteomic changes in mammalian spermatozoa during epididymal maturation. Proceedings of the International Congress on the Epididymis. *Asian Journal of Andrology* **9**, 554-564. [Impact factor = 1.74]
11. ***Aitken, R.J.**, **Roman, S.D.**, **Baker, M.A.**, and De Iuliis, G. (2007) Redox regulation of DNA damage in the male germ line. In: Male Mediated Developmental Toxicity pp. 197-209. D. Anderson and M.H. Brinkworth, Editors. *The Royal Society of Chemistry*, Cambridge. [By invitation] [No Impact factor]
12. **Aitken, R.J.**, Wingate, J., De Iuliis, G., and **McLaughlin, E.A.** (2007) Analysis of lipid peroxidation in human spermatozoa using BODIPY C11. *Molecular Human Reproduction* **13**, 203-211. (**featured on Journal cover**) [Impact factor = 2.76]
13. **Baker, M.A.**, Hetherington, L., Reeves, G.H., Muller, J. and **Aitken, R.J.** (2007) The rat sperm proteome characterized via IPG strip pre-fractionation and LC-MS/MS identification. *Proteomics* (in press) [Impact factor = 5.74]
14. **Baker, M.A.**, Hetherington, L., Reeves, G.H., and **Aitken, R.J.** (2007) The mouse sperm proteome characterized via IPG strip pre-fractionation and LC-MS/MS Identification. *Proteomics* (in press) [Impact factor = 5.74].
15. **Baker, M.A.**, Reeves G.H., Hetherington, L., Müller, J., Baur, I., and **Aitken, R.J.** (2007) Identification of gene products present in Triton X-100 soluble and insoluble fractions of human spermatozoa lysates using LC-MS/MS analysis. *Proteomics – Clinical applications* **1**, 524-532. (Accepted by *Proteomics* [Impact factor = 5.74] and used to launch Clinical applications section of the journal)
16. Bennetts, L.E., **De Iuliis, G.N.**, **Nixon, B.**, Kime, M., Zelski, K., Mc Vicar, S.M., Lewis, S.E. and **Aitken, R.J.** (2007) Analysis of the impact of estrogenic compounds on DNA integrity in the male germ line. *Mutation Research* (in press) [Impact factor = 4.11]
17. Borg, N., and **Holland, M.K.** (2007) The effect of glycosaminoglycans on rat gametes in vitro and the associated signal pathway. *Reproduction* **132** (in press) [Impact factor = 2.96]
18. *Bowles, J., and **Koopman, P.A.** (2007) Retinoic acid, meiosis and germ cell fate in mammals. Invited review. *Development* **134**, 3401-3411. [Impact factor = 7.76]

19. Chong, S., Vickaryous, N., Ashe, A., Zamudio, N., Hamley, S., Lehrbac, N., Stopka, T., Skoultschi, A., **de Kretser, D.M., O'Bryan, M.K.**, Blewitt, M., and Whitelaw, E. (2007) Modifiers of epigenetic reprogramming display paternal effects in the mouse. *Nature Genetics*, **39**, 614-622. [Impact factor = 24.17]
20. Cotton, L.M., **O'Bryan, M.K.**, and Hinton, B.T. (2007) Cellular signaling by fibroblast growth factors (FGFs) and their receptors (FGFRs) in male reproduction. *Endocrine Review*. (published online 23 January 2008). [Impact factor = 23.90]
21. *Forwood, J.K., Kaur, G., and **Jans, D.A.** (2007) Nuclear import properties of the sex determining factor SRY. In *Methods in Molecular Biology (Protein Targeting Protocols)*, 2nd. Edition. Chapter 6, pp 83-97. M. Van der Giezen, Editor: Humana Press, Totowa, New Jersey.
22. ***Hime, G.R., Loveland, K.L.** and Abud, H.E. (2007) Drosophila spermatogenesis: insights into testicular cancer. *International Journal of Andrology*, **30**, 265-274 [Impact factor = 2.2]
23. Hogarth, C., **Jans, D.A.** and **Loveland, K.L.** (2007) Subcellular distribution of importins correlates with germ cell maturation. *Developmental Dynamics* **236**, 2311-2320. [Impact factor = 3.17]
24. Holt, J.E., Ly, J.D., Efthymiadis, A., **Hime, G.R., Loveland, K.L.**, and **Jans, D.A.** (2007) Regulation of nuclear import during differentiation; the IMP α gene family and spermatogenesis. *Current Genomics*, **8(5)**, 323-334 [Impact factor = 0.78]
25. Hughes, L., Wingate, J., Griffith, R. and **Aitken, R.J.** (2007) Modelling and measuring redox cycling and cytotoxicity of quinones. *Drug Metabolism Letters* **1**, 245-253. [New Journal: No impact factor]
26. Hughes, L.M., Griffith, R. and **Aitken, R.J.** (2007) The search for a topical dual action spermicide/microbicide. *Current Medicinal Chemistry* **14**, 775-86. [Impact factor = 5.2]
27. Itman, C., and **Loveland, K.L.** (2007) Insights into BMP signalling in spermatogenesis from regulated expression of Smads in rodent spermatogenesis. *Developmental Dynamics* **237**, 97-111. [Impact factor = 3.17]
28. Kennedy, C.L., **Koopman, P.A.**, Mishina, Y., and **O'Bryan, M.K.** (2007). Sox8 and Sertoli cell function. *Annals of the New York Academy of Sciences* **1120**, 104-113. . [Impact factor = 1.93]
29. Knowler, K.C., McClive, P.J., **Bowles, J., Koopman, P.A., Sinclair, A.H.**, and Harley, V.R. (2007) Expression profile of sexually dimorphic urogenital ridge genes in human embryonic testicular carcinoma line NT2/D1. *Sexual Development*, **1**, 114-126 [New Journal: No impact factor]
30. Koppers, A.J., De Iuliis, G.N., Finney J., **McLaughlin, E.A.** and **Aitken, R.J.** (2007) Mitochondria as a source of reactive oxygen species and oxidative stress in mammalian spermatozoa. *Journal of Clinical Endocrinology and Metabolism* (in press) [Impact factor = 5.80]

31. ***Loveland, K.L.**, Dias, V., Meachem, S., and Rajpert-deMeyts, E. (2007) The transforming growth factor- β superfamily in spermatogenesis and testicular dysgenesis. *International Journal of Andrology* **30**, 377-384.
32. Maldonado-Saldivia, J., van den Bergen, J., Krousos, M., Gilchrist, M., **Sinclair, A.H.**, Surani, M.A., and Western, P.S. (2007) Dppa2 and Dppa4 are closely linked SAP motif genes restricted to pluripotent cells and the germ line. *Stem Cells* **25**, 19-28. [Impact factor = 7.92]
33. ***McLaughlin, E.A.** and Pacey, A.A. (2007) Cryopreservation and storage of sperm. In: *Textbook of Assisted Reproductive Technologies*, 3rd edition D.K. Gardener, A. Weissman, C.M. Howles and Z. Shoham, Editors. Martin Dunitz, London UK (in press)
34. Mitchell, L.A., **Nixon, B.** and **Aitken, R.J.** (2007) Analysis of chaperone proteins associated with human spermatozoa during capacitation. *Molecular Human Reproduction* **13**, 605-613. [Impact factor = 2.76]
35. Mitchell, L.A., **Nixon, B.**, **Baker M.A.** and **Aitken, R.J.** (2007) Investigation of the role of SRC in capacitation-associated tyrosine phosphorylation of human spermatozoa. *Molecular Human Reproduction* (in press) [Impact factor = 2.76]
36. **Nixon, B.**, **Aitken R.J.** and **Mc Laughlin, E.A.** (2007) New insights into the molecular mechanisms of sperm-egg interaction. *Cellular and Molecular Life Sciences* **64**, 1805-1823. (featured on journal cover). [Impact factor = 4.65]
37. **Nixon, B.**, Bielawowicz, A., **McLaughlin, E.A.**, Tanphaichitr, N., Ensslin, M.A. and **Aitken, R.J.** (2007) Composition and significance of detergent resistant membranes in mouse spermatozoa. *Journal of Cell Physiology* (in press) [Impact factor = 3.64]
38. **Nixon, B.**, Jones, R.C., and **Holland, M.K.** (2007) Molecular and Functional Characterization of the Rabbit Epididymal Secretory Protein 52, REP 52. *Biology of Reproduction* (in press) [Impact factor = 3.49]
39. **O'Bryan, M.K.**, Takada, S., Kennedy, C., Scott, G., Harada, S.I., de Kretser, D.M., Eddy, E.M., **Koopman, P.A.**, Mishina, Y. (2007) Sox8 is a key regulator of adult Sertoli cell function and male fertility. *Developmental Biology*, (in press) [Impact factor = 4.89]
40. Polanco, J.C., and **Koopman, P.A.** (2007) Sry and the hesitant beginnings of male development. *Developmental Biology* **302**, 13-24. (Journal cover) [Impact factor = 4.89]
41. Riding, G.A., Jones, A., **Holland, M.K.**, Hill, J.R., and Lehnert, S.A. (200) Proteomic analysis of bovine conceptus fluids during early pregnancy. *Proteomics* **8(1)**, 160-177. [Impact factor = 5.74]
42. Ruddock-D'Cruz, N.T., Prashadkumar, S., Wilson, K.J., Heffernan, C., Cooney, M.A., French, A.J., **Jans, D.A.**, Verma, P.J., and **Holland, M.K.**, (2007) Dynamic changes in localization of chromobox (CBX) family members during the maternal to embryonic transition. *Molecular Reproduction and Development* **75**, 477-488. [Impact factor = 2.38]

43. Ruddock-D'Cruz, N.T., Xue, J., Wilson, K.J., Heffernan, C., Prashadkumar, S., Cooney, M.A., Sanchez-Partida, L.G., French, A.J., and **Holland, M.K.** (2007) Dynamic changes in the localization of five members of the methyl binding domain (MBD) gene family during murine and bovine preimplantation embryo development. *Molecular Reproduction and Development* **75**, 48-59. [Impact factor = 2.38]
44. Sarraj, M.A, Umbers, A., Chua, H.K., Findlay, J.K, **Loveland, K.L.**, and Stenvers, K.L. (2007) Differential expression of *Tgfb β 3* (betaglycan) in mouse ovary and testis during gonadogenesis. *Growth Factors* **25**, 334-345. [Impact factor = 3.92]
45. Sarraj, M.A., McClive, P.J., Szczepny, A., Daggag, H., **Loveland, K.L.**, and **Sinclair, A.H.** (2007) Expression of *Wsb2* in the developing and adult mouse gonads. *Reproduction*, **133**, 753-761. [Impact factor = 2.96]
46. ***Sinclair, A.H.**, and Schofield, P.R. (2007) Human embryonic stem cell research: an Australian perspective. *Cell* **128**, 221-223. [Impact factor = 29.19]
47. Svingen, T., and **Koopman, P.A.** (2007) Involvement of homeobox genes in mammalian sexual development. *Sexual Development* **1**, 12-23. [New journal: no Impact factor]
48. Svingen, T., Beverdam, A., Bernard, P., McClive, P., Harley, V.R., **Sinclair, A.H.**, and **Koopman, P.A.** (2007) Sex specific expression of a novel gene *Tmem184a* during mouse testis differentiation. *Reproduction* **133**, 983-989. [Impact factor = 2.96]
49. **Walsh, A., Whelan, D.**, Bielaniowicz, A., **Aitken, R.J.**, **O'Bryan, M.K.** and **Nixon, B.** (2007) Identification of the molecular chaperone, Heat Shock Protein 1 (Chaperonin 10), in the male reproductive tract and capacitating murine spermatozoa. *Biology of Reproduction* (in press). [Impact factor = 3.49]
50. Wathes, D.C., Abayasekara, R.E. and **Aitken, R.J.** (2007) Polyunsaturated Fatty Acids in male and female reproduction. *Biology of Reproduction* **77**, 190-201. [Impact factor = 3.49]
51. Western, P.S, Miles, D., van den Bergen, J.A., Burton, M., and **Sinclair, A.H.** (2007) Dynamic regulation of mitotic arrest in fetal male germ cells. *Stem Cells* (in press) [Impact factor = 7.92].
52. Wilhelm, D., Palmer, S., and **Koopman, P.A.** (2007). Sex determination and gonadal development in mammals. *Physiological Reviews* **87**, 1-28. [Impact factor = 31.44]
53. Wolski, K., and **O'Bryan, M.K.** (2007) Interviews with andrologists (part 2). *Journal of Andrology* **28(2)**, 216-217

Additional CI publications not directly funded by the Centre

1. Alvisi, G., Musiani, D., **Jans, D.A.**, and Ripalti, A. (2007) An Importin α/β -recognized Bipartite Nuclear Localization Signal Mediates Targeting of the Human Herpes Simplex Virus Type 1 DNA Polymerase Catalytic Subunit pUL30. *Biochemistry USA* **46**, 9155-9163.
2. Bradford, S.T., Wilhelm, D., and **Koopman, P.A.** (2007) Comparative analysis of anti-mouse SRY antibodies. *Sexual Development* **1**, 305-310.
3. Clemente, E.J., Furlong, R.A., **Loveland, K.L.**, and Affara, N.A. (2007) Gene expression study in the juvenile mouse testis: identification of stage-specific molecular pathways during spermatogenesis. *Mammalian Genome*. **17**, 956-975.
4. Conway-Campbell, B.L., Wooh, J., Brooks, A.J., Gordon, D., Brown, R., Lichanska, A.M., Chin, H-S., Barton, C.L., Boyle, G.M., Parsons, P.G., **Jans, D.A.**, and Waters, M. (2007) Nuclear targeting of the growth hormone receptor results in dysregulation of cell proliferation and tumorigenesis. *Proceedings of the National Academy of Sciences. USA* **104**, 13331-13336.
5. de Kretser, D.M., **O'Bryan, M.K.**, Lynch, M., Reilly, A., Kennedy, C., Cram, D., and McLachlan, R.I. (2007). The genetics of male infertility. From bench to clinic in *The Genetics of Male Infertility*. Carrell, D.T.(ed) Humana Press Inc. Totowa, NJ, USA. 251-266.
6. Dias, V., Meachem, S., Rajpert-deMeyts, E., McLachlan, R., Manuelpillai, U., and **Loveland, K.L.** (2007) Activin receptor subunits in normal and dysfunctional adult human testis. *Human Reproduction* (in press)
7. Elliot, D.A., Kim, W.S., **Jans, D.A.**, and Garner, B. (2007) Apoptosis induces neuronal apolipoprotein-E synthesis and localization in apoptotic bodies. *Neuroscience Letters* **416**, 206-210.
8. Elliott, D.A., Kim, W.S., **Jans, D.A.**, and Garner, B. (2007) Macrophage apolipoprotein-E knockdown modulates caspase-3 activation without altering sensitivity to apoptosis. *Biochimica Biophysica. Acta Genetics*, (in press).
9. Fitzsimmons, C., **McLaughlin, E.A.**, Mahony, M.J. and Clulow, J. (2007) Optimization of handling, activation and assessment procedures for *bufo marinus* sperm. *Reproduction Fertility and Development* **19**, 594-601
10. Gibbs, G.M., and **O'Bryan, M.K.**, (2007) Cysteine rich secretory proteins in reproduction and venom. In Spermatology; E Roldan and M. Gomendio (Eds). *Society of Reproduction and Fertility*, Nottingham University Press, UK.
11. Gibbs, G.M., Bianco, D.M., Jamsai, D., Herlihy, A., Ristevski, S., **Aitken, R.J.**, de Kretser, D.M., and **O'Bryan, M.K.** (2007) Cysteine-rich secretory protein 2 binds to mitogen-activated protein kinase kinase kinase 11 in mouse sperm. *Biology of Reproduction* **77**, 108-114.
12. *Glover, D.J., Glouchkova, L., Lipps, H.J., and **Jans, D.A.** (2007) Overcoming cellular barriers to safe, sustained and efficient non-viral gene therapy. *Advances in Gene, Molecular and Cell Therapy* **1**, 126-140

13. Hearps, A.C., Pryor, M.J., Kuusisto, H.V., Rawlinson, S.M., Piller, S.C. and **Jans, D.A.** (2007) Limited ability of the biarsenical dye LUMIO™ to specifically detect tetracysteine-containing proteins within living cells. *Journal of Fluorescence* **17**, 593-597 [**Featured on Journal Cover**].
14. Hearps, A.C., Wagstaff, K., Piller, S.C., and **Jans, D.A.** (2007) The N-terminal basic domain of the HIV-1 matrix protein lacks a conventional nuclear localisation sequence but is required for DNA binding and protein self-association. *Biochemistry USA*. (in press)
15. Holt, J.E., **Roman, S.D.**, **Aitken, R.J.**, Russell, D.L. and **McLaughlin E.A.** (2007) Switching on the dormant egg: cracking the case. *Cytokine and Growth Factor Reviews* (in press) [Impact factor = 11.55].
16. Kim, W.S., Elliott, D.A., Kockx, M., Kritharides, L., Rye, K.A., **Jans, D.A.**, and Garner, B. (2007) Analysis of apolipoprotein-E nuclear localization using green fluorescent protein and biotinylation approaches. *Biochemical Journal*. (in press).
17. Knowler, K.C., Sim, H., McClive, P.J., **Bowles, J.**, **Koopman, P.A.**, **Sinclair, A.H.**, and Harley, V.R. (2007). Characterisation of urogenital ridge gene expression in the human embryonic carcinoma cell line NT2/D1. *Sexual Development* **1**, 114-126.
18. Kojima, Y., Hayashi, Y., Mizuno, K., Sasaki, S., Fukui, Y., **Koopman, P.A.**, Morohashi, K-I., and Kohri, K. (2007) Upregulation of SOX9 in human SRY-negative XX males. *Clinical Endocrinology* (in press).
19. Li, Q., Graff, J.M., O'Connor, A.E., **Loveland, K.L.**, and Matzuk, M.M. (2007) SMAD3 Regulates Gonadal Tumorigenesis. *Molecular Endocrinology*. **21**, 2472-86.
20. Li, Q., Kumar, R., Underwood, K, O'Connor, A.E, **Loveland, K.L.**, Seehra, J.S., and Matzuk, M.M. (2007) Prevention of cachexia-like syndrome development and reduction of tumor progression in inhibin-deficient mice following administration of a chimeric activin receptor Type II-Murine Fc protein. *Molecular Human Reproduction* **13**, 675-83.
21. Little, M., Brennan, J., Georgas, K., Davies, J., Davidson, D. Baldock, R., Beverdam, A., Bertram, J., Capel, B., Clements, D., Cullen-McEwen, L., Fleming, J., Gilbert, T., Houghton, D., Kaufman, M., Kleymenova, E., **Koopman, P.A.**, Lewis, A., McMahon, A., Mendelsohn, C., Mitchell, E., Sweeney, D., Todd Valerius, M., Yamada, G., Yang, Y., and Yu, J. (2007) A high-resolution anatomical ontology of the developing murine genitourinary tract. *Gene Expression Patterns* **7**, 680-699.
22. Maddika, S., Wiechec, E., Ande, S.R., Poon, I.K., Fischer, U., Wesselborg, S., **Jans, D.A.**, Schulze-Osthoff, K., and Los, M. (2007) Interaction with PI3 kinase contributes to the cytotoxic activity of Apoptin. *Oncogene* (in press)
23. **McLaughlin EA** and McIver S (2007) Molecular mechanisms driving follicle development from the primordial through to the antral stages. *Reproduction* (in press)
24. Moseley, G.W., De Jesus, M.A., Roth, D.M., Leyton, D.L., Filmer, R.P., Pouton, C.W., and **Jans, D.A.** (2007) Dynein light chain association sequences can facilitate nuclear protein import. *Molecular Biology of the Cell* **18**, 3204-3213.

25. Moseley, G.W., Filmer, R.P., DeJesus, M.A. and **Jans, D.A.** (2007) Nucleocytoplasmic distribution of Rabies Virus P-protein is regulated by phosphorylation adjacent to C-terminal nuclear import and export signals. *Biochemistry USA* **46**, 12053-12061.
26. **O'Bryan, M.K.**, and Hedger, M.P., (2007) Inflammatory networks in the control of spermatogenesis: chronic inflammation in an immunologically privileged tissue? *Molecular Mechanisms of Spermatogenesis*, Landes Bioscience, Georgetown, TX, USA.
27. Pryor, M.J., Butcher, R.E., Rawlinson, S.M., Barton, C.L., Wen, D., Vasudevan, S., Wright, P.J., **Jans, D.A.,*** and Davidson, A.D. (2007) Nuclear localization of Dengue NS5 through its importin α/β -recognized NLS is integral to the virus life cycle. *Traffic* **8**, 795-807 *Corresponding author; equal contributor with last author.
28. Roth, D.M., Moseley, G.W., Glover, D., Pouton, C.W., and **Jans, D.A.** (2007) A microtubule-facilitated nuclear import pathway for cancer regulatory proteins. *Traffic* **8**, 673-686.
29. Shehu-Xhilaga, M., Kent, S., Batten, J., Ellis, S., van der Meulen, J., **O'Bryan, M.K.**, Cameron, P., Lewin, S., and Hedger, M., (2007) The testis and epididymis are productively infected by SIV and SHIV in juvenile Macaques during the post-acute stage of infection. *Retrovirology* **4**, 7.
30. Svingen, T., Beverdam, A., Bernard, P., McClive, P., Harley, V.R., **Sinclair, A.H.**, and **Koopman, P.A.** (2007) Sex-specific expression of a novel gene Tmem184a during mouse testis differentiation. *Reproduction* **133**, 983-989.
31. Svingen, T., Beverdam, A., Verma, P., Wilhelm, D., and **Koopman, P.A.** (2007) Aard is specifically up-regulated in Sertoli cells during mouse testis differentiation. *International Journal of Developmental Biology* **51**, 255-258.
32. Thomas, T., **Loveland, K.L.**, and Voss, A.K. (2007) The genes coding form the MYST family histone acetyltransferases, Tip60 and Mof, are expressed at high levels during sperm development. *Gene Exp. Patterns* **7**, 657-665.
33. Wagstaff, K.M., Glover, D.J., Tremethick, D.J., and **Jans, D.A.** (2007) Histone mediated transduction as an efficient means for gene delivery. *Molecular Therapy* **15**, 721-731.
34. Winnall, W.R., Ali, U., **O'Bryan, M.K.**, Hirst, J.J., Muir, J. A., and Hedger, M.P. (2007). Endogenous expression of cyclooxygenase-2 by somatic and spermatogenic cells is responsible for constitutive E2 production in the adult rat testis. *Biol. Reprod.*, **76(5)**, 759-68.