

Publications for Wayne Hawthorne

2018

Kim, H., Kim, H., Lee, S., Jin, X., Kim, T., Park, C., Lee, J., Kim, H., Hong, S., Yoon, K., Hawthorne, W., et al (2018). Memory T cells are significantly increased in rejecting liver allografts of rhesus monkeys. *Liver Transplantation*, 24(2), 256-268. [More Information]

2017

Hameed, A., Wong, G., Laurence, J., Lam, V., Pleass, H., Hawthorne, W. (2017). A systematic review and meta-analysis of cold in situ perfusion and preservation for pancreas transplantation. *HPB*, 19(11), 933-943. [More Information]

Hameed, A., Laurence, J., Lam, V., Pleass, H., Hawthorne, W. (2017). A systematic review and meta-analysis of cold in situ perfusion and preservation of the hepatic allograft: Working toward a unified approach. *Liver Transplantation*, 23(12), 1615-1627. [More Information]

Hameed, A., Hawthorne, W., Pleass, H. (2017). Advances in organ preservation for transplantation. *ANZ Journal of Surgery*, 87(12), 976-980. [More Information]

Cocco, A., Shahrestani, S., Cocco, N., Hameed, A., Yuen, L., Ryan, B., Hawthorne, W., Lam, V., Pleass, H. (2017). Dual kidney transplant techniques: A systematic review. *Clinical Transplantation*, 31(8), 1-8. [More Information]

Huang, D., Wang, Y., Hawthorne, W., Hu, M., Hawkes, J., Burns, H., Davies, S., Gao, F., Chew, Y., Yi, S., O'Connell, P. (2017). Ex vivo-expanded baboon CD39^{hi}IL-2⁺ regulatory T cells prevent rejection of porcine islet xenografts in NOD-SCID IL-2 γ (-/-) mice reconstituted with baboon peripheral blood mononuclear cells. *Xenotransplantation*, 24(6), 1-11. [More Information]

Guo, F., Hu, M., Huang, D., Zhao, Y., Heng, B., Guillemin, G., Lim, C., Hawthorne, W., Yi, S. (2017). Human regulatory macrophages are potent in suppression of the xenoinnate response via indoleamine-2,3-dioxygenase-involved mechanism(s). *Xenotransplantation*, 24(5), 1-11. [More Information]

Wu, J., Hu, M., Qian, Y., Hawthorne, W., Burns, H., Liuwantara, D., Alexander, S., Yi, S., O'Connell, P. (2017). In Vivo Costimulation Blockade-induced Regulatory T Cells Demonstrate Dominant and Specific Tolerance to Porcine Islet Xenografts. *Transplantation*, 101(7), 1587-1599. [More Information]

Holmes-Walker, D., Gunton, J., Hawthorne, W., Park, M., Anderson, P., Donath, S., Loudovaris, T., Ward, G., Kay, T., O'Connell, P. (2017). Islet transplantation provides superior glycemic control with less hypoglycemia compared with continuous subcutaneous insulin infusion or multiple daily

insulin injections. *Transplantation*, 101(6), 1268-1275. [More Information]

Shahrestani, S., Webster, A., Lam, V., Yuen, L., Ryan, B., Pleass, H., Hawthorne, W. (2017). Outcomes from pancreatic transplantation in donation after cardiac death: A systematic review and meta-analysis. *Transplantation*, 101(1), 122-130. [More Information]

Cooper, D., Pierson, R., Hering, B., Mohiuddin, M., Fishman, J., Denner, J., Ahn, C., Azimzadeh, A., Buhler, L., Cowan, P., Hawthorne, W., et al (2017). Regulation of Clinical Xenotransplantation-Time for a Reappraisal. *Transplantation*, 101(8), 1766-1769. [More Information]

Nottle, M., Salvaris, E., Fiscaro, N., McIlpatrick, S., Vassiliev, I., Hawthorne, W., O'Connell, P., Brady, J., Lew, A., Cowan, P. (2017). Targeted insertion of an anti-CD2 monoclonal antibody transgene into the GGTA1 locus in pigs using FokI-dCas9. *Scientific Reports*, 7(1), 1-8. [More Information]

Shahrestani, S., Robertson, P., Pleass, H., Hawthorne, W. (2017). The Authors' Reply. *American Journal Of Transplantation*, 101(2), e58. [More Information]

Hawthorne, W., Cimeno, A., Ezzelarab, M., Sandhu, B., Burlak, C. (2017). Thomas Starzl-Visionary and xenotransplantation pioneer: Commentary from the International Xenotransplant Association Vanguard Committee. *Xenotransplantation*, 24(2), e12310. [More Information]

Stokes, R., Cheng, K., Lalwani, A., Swarbrick, M., Thomas, H., Loudovaris, T., Kay, T., Hawthorne, W., O'Connell, P., Gunton, J. (2017). Transplantation sites for human and murine islets. *Diabetologia*, 60(10), 1961-1971. [More Information]

Stokes, R., Simond, D., Burns, H., Patel, A., O'Connell, P., Gunton, J., Hawthorne, W. (2017). Transplantation sites for porcine islets. *Diabetologia*, 60(10), 1972-1976. [More Information]

2016

Hawthorne, W. (2016). Beta Cell Therapies for Type 1 Diabetes. In Anandwardhan A. Hardikar (Eds.), *Pancreatic Islet Biology*, (pp. 285-322). Cham: Springer. [More Information]

Liuwantara, D., Chew, Y., Favaloro, E., Hawkes, J., Burns, H., O'Connell, P., Hawthorne, W. (2016). Characterizing the mechanistic pathways of the instant blood-mediated inflammatory reaction in xenogeneic neonatal islet cell transplantation. *Transplantation Direct*, 2(6), 1-10. [More Information]

Hawthorne, W., Williams, L., Chew, Y. (2016). Clinical Islet Isolation. In Miriam Ram rez-Dominguez (Eds.), *Pancreatic Islet Isolation: From the Mouse to the Clinic*, (pp. 89-122). Cham: Springer. [More Information]

Cao, Y., Shahrestani, S., Chew, H., Crawford, M., Macdonald, P., Laurence, J., Hawthorne, W., Dhital, K., Pleass, H. (2016). Donation after circulatory death for liver transplantation: A meta-analysis on the location of life support withdrawal affecting outcomes. *Transplantation*, 100(7), 1513-1524. [More Information]

Rayat, G., Gazda, L., Hawthorne, W., Hering, B., Hosking, P., Matsumoto, S., Rajotte, R. (2016). First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes - Chapter 3: Porcine islet product manufacturing and release testing criteria. *Xenotransplantation*, 23(1), 38-45. [More Information]

Cooper, D., Bottino, R., Gianello, P., Graham, M., Hawthorne, W., Kirk, A., Korsgren, O., Park, C., Weber, C. (2016). First update of the International Xenotransplantation Association consensus statement on conditions for undertaking clinical trials of porcine islet products in type 1 diabetes - Chapter 4: pre-clinical efficacy and complication data required to justify a clinical trial. *Xenotransplantation*, 23(1), 46-52. [More Information]

Hawthorne, W., Lew, A., Thomas, H. (2016). Genetic strategies to bring islet xenotransplantation to the clinic. *Current Opinion in Organ Transplantation*, 21(5), 476-483. [More Information]

Joglekar, M., Trivedi, P., Kay, T., Hawthorne, W., O'Connell, P., Jenkins, A., Hardikar, A., Thomas, H. (2016). Human islet cells are killed by BID-independent mechanisms in response to FAS ligand. *Apoptosis*, 21(4), 379-389. [More Information]

Hameed, A., Pleass, H., Wong, G., Hawthorne, W. (2016). Maximizing kidneys for transplantation using machine perfusion: from the past to the future: A comprehensive systematic review and meta-analysis. *Medicine*, 95(40), 1-12. [More Information]

Hawthorne, W. (2016). Necessities for a Clinical Islet Program. In Miriam Ram rez-Dominguez (Eds.), *Pancreatic Islet Isolation: From the Mouse to the Clinic*, (pp. 67-88). Cham: Springer. [More Information]

Hameed, A., Yu, T., Yuen, L., Lam, V., Ryan, B., Allen, R., Laurence, J., Hawthorne, W., Pleass, H. (2016). Use of the Harmonic Scalpel in Cold Phase Recovery of the Pancreas for Transplantation: The Westmead Technique. *Transplant International*, 29(5), 636-638. [More Information]

2015

Stewart, J., Tarantal, A., Hawthorne, W., Salvaris, E., O'Connell, P., Nottle, M., D'Apice, A., Cowan, P., Kearns-Jonker, M. (2015). Clonidine inhibits anti-non-Gal IgM

xenoantibody elicited in multiple pig-to-primate models. *Xenotransplantation*, 22(6), 413-426. [More Information]

Park, C., Bottino, R., Hawthorne, W. (2015). Current status of islet xenotransplantation. *International Journal of Surgery*, 23, 261-266. [More Information]

Kim, H., Hawthorne, W., Kang, H., Lee, Y., Hwang, J., Hurh, S., Ro, H., Jeong, J., Cho, B., Yang, J., et al (2015). Human thrombomodulin regulates complement activation as well as the coagulation cascade in xeno-immune response. *Xenotransplantation*, 22(4), 260-272. [More Information]

Marathe, C., Drogemuller, C., Marathe, J., Loudavaris, T., Hawthorne, W., O'Connell, P., Radford, T., Kay, T., Horowitz, M., Coates, P., et al (2015). Islet Cell Transplantation in Australia: Screening, Remote Transplantation, and Incretin Hormone Secretion in Insulin Independent Patients. *Hormone And Metabolic Research*, 47(1), 16-23. [More Information]

Augstein, P., Naselli, G., Loudovaris, T., Hawthorne, W., Campbell, P., Bandala-Sanchez, E., Rogers, K., Heinke, P., Thomas, H., Kay, T., et al (2015). Localization of dipeptidyl peptidase-4 (CD26) to human pancreatic ducts and islet alpha cells. *Diabetes Research and Clinical Practice*, 110(3), 291-300. [More Information]

Jimenez, E., Davies, S., Phillips, P., O'Connell, P., Hawthorne, W. (2015). Long-term cultured neonatal islet cell clusters demonstrate better outcomes for reversal of diabetes: In vivo and molecular profiles. *Xenotransplantation*, 22(2), 114-123. [More Information]

Chung, H., Lam, V., Yuen, L., Ryan, B., O'Connell, P., Chapman, J., Hawthorne, W., Pleass, H. (2015). Renal transplantation: better fat than thin. *Journal of Surgical Research*, 194(2), 644-652. [More Information]

Tran, H., Tran, K., Turingan, I., Zajkowska, M., Lam, V., Hawthorne, W. (2015). Single-incision laparoscopic inguinal herniorrhaphy with telescopic extraperitoneal dissection: technical aspects and potential benefits. *Hernia*, 19(3), 407-416. [More Information]

Tran, H., Tran, K., Zajkowska, M., Lam, V., Hawthorne, W. (2015). Single-incision laparoscopic repair of spigelian hernia. *Journal of the Society of Laparoendoscopic Surgeons*, 19(1), 1-7. [More Information]

Tran, H., Tran, K., Zajkowska, M., Lam, V., Hawthorne, W. (2015). Single-Port Onlay Mesh Repair of Recurrent Inguinal Hernias after Failed Anterior and Laparoscopic Repairs. *Journal of the Society of Laparoendoscopic Surgeons*, 19(1), 1-10. [More Information]

2014

Guo, F., Xing, X., Hawthorne, W., Dong, Q., Ye, B., Zhang, J., Liang, Q., Nie, W., Wang, W. (2014). Characterization of PERV in a new conserved pig herd as potential donor animals for xenotransplantation in China. *Virology Journal*, 11, 1-9. [More Information]

Hawthorne, W., Salvaris, E., Phillips, P., Hawkes, J., Liuwantara, D., Burns, H., Barlow, H., Stewart, A., Peirce, S., Hu, M., O'Connell, P., et al (2014). Control of IBMIR in Neonatal Porcine Islet Xenotransplantation in Baboons. *American Journal of Transplantation*, 14(6), 1300-1309. [More Information]

Jin, X., Wang, Y., Hawthorne, W., Hu, M., Yi, S., O'Connell, P. (2014). Enhanced Suppression of the Xenogeneic T-Cell Response in Vitro by Xenoantigen Stimulated and Expanded Regulatory T Cells. *Transplantation*, 97(1), 30-38. [More Information]

Wong, M., Tso, A., Ali, M., Hawthorne, W., Manolios, N. (2014). Novel T-cell inhibiting peptides delay the onset of Type 1 diabetes in non-obese diabetic mice. *Diabetes & Metabolism*, 40, 229-234. [More Information]

Tran, H., Turingan, I., Tran, K., Zajkowska, M., Lam, V., Hawthorne, W. (2014). Potential benefits of single-port compared to multiport laparoscopic inguinal herniorrhaphy: a prospective randomized controlled study. *Hernia*, 18(5), 731-744. [More Information]

Brady, J., Harrison, L., Goodman, D., Cowan, P., Hawthorne, W., O'Connell, P., Sutherland, R., Lew, A. (2014). Preclinical screening for acute toxicity of therapeutic monoclonal antibodies in a hu-SCID model. *Clinical & Translational Immunology*, 3(12), 1-7.

Stewart, J., Tarantal, A., Hawthorne, W., Salvaris, E., O'Connell, P., Nottle, M., D'Apice, A., Cowan, P., Kearns-Jonker, M. (2014). Rhesus monkeys and baboons develop clotting factor VIII inhibitors in response to porcine endothelial cells or islets. *Xenotransplantation*, 21(4), 341-352. [More Information]

Tran, H., Tran, K., Zajkowska, M., Lam, V., Hawthorne, W. (2014). Single-Incision Laparoscopic Intraperitoneal Onlay Mesh Repair for the Treatment of Multiple Recurrent Inguinal Hernias. *Journal of the Society of Laparoendoscopic Surgeons*, 18(3), 1-8. [More Information]

Chen, Y., Stewart, J., Gunthart, M., Hawthorne, W., Salvaris, E., O'Connell, P., Nottle, M., d'Apice, A., Cowan, P., Kearns-Jonker, M. (2014). Xenoantibody response to porcine islet cell transplantation using GTKO, CD55, CD59, and fucosyltransferase multiple transgenic donors. *Xenotransplantation*, 21(3), 244-253. [More Information]

2013

Cantley, J., Walters, S., Jung, M., Weinberg, A., Cowley, M., Whitworth, P., Kaplan, W., Hawthorne, W., O'Connell, P., Weir, G., et al (2013). A Preexistent Hypoxic Gene Signature Predicts Impaired Islet Graft Function and Glucose Homeostasis. *Cell Transplantation*, 22(11), 2147-2159. [More Information]

Information]

Brady, J., Sutherland, R., Hancock, M., Kitsoulis, S., Lahoud, M., Phillips, P., Hawthorne, W., d'Apice, A., Cowan, P., Harrison, L., O'Connell, P., et al (2013). Anti-CD2 producing pig xenografts effect localized depletion of human T cells in a huSCID model. *Xenotransplantation*, 20(2), 100-109. [More Information]

Stokes, R., Cheng, K., Deters, N., Lau, S., Hawthorne, W., O'Connell, P., Stolp, J., Grey, S., Loudovaris, T., Kay, T., Gunton, J., et al (2013). Hypoxia-inducible factor-1 \pm (HIF-1 \pm) potentiates β -cell survival after islet transplantation of human and mouse islets. *Cell Transplantation*, 22(2), 253-266. [More Information]

Hu, M., Wang, C., Zhang, G., Saito, M., Wang, Y., Fernandez, M., Wang, Y., Wu, H., Hawthorne, W., Jones, C., O'Connell, P., Bishop, A., Sharland, A., Alexander, S., et al (2013). Infiltrating Foxp3+ regulatory T cells from spontaneously tolerant kidney allografts demonstrate donor-specific tolerance. *American Journal of Transplantation*, 13, 2819-2830. [More Information]

O'Connell, P., Holmes-Walker, J., Goodman, D., Hawthorne, W., Loudovaris, T., Gunton, J., Thomas, H., Grey, S., Drogemuller, C., Ward, G., et al (2013). Multicenter Australian Trial of Islet Transplantation: Improving Accessibility and Outcomes. *American Journal of Transplantation*, 13(7), 1850-1858. [More Information]

Gerace, D., Ren, B., Hawthorne, W., Byrne, M., Phillips, P., O'Brien, B., Nassif, N., Alexander, I., Simpson, A. (2013). Pancreatic Transdifferentiation in Porcine Liver Following Lentiviral Delivery of Human Furin-Cleavable Insulin. *Transplantation Proceedings*, 45(5), 1869-1874. [More Information]

Hu, M., Wu, J., Zhang, G., Wang, Y., Watson, D., Yi, S., Hawthorne, W., O'Connell, P., Alexander, S. (2013). Selective Depletion of Alloreactive T cells Leads to Long-Term Islet Allograft Survival Across a Major Histocompatibility Complex Mismatch in Diabetic Mice. *Cell Transplantation*, 22(10), 1929-1941. [More Information]

Thwaites, S., Lam, V., Yao, J., Kable, K., Jenkins, L., Chen, C., Robertson, P., Hawthorne, W., Ryan, B., Pleass, H., Allen, R. (2013). Surgical Morbidity of Simultaneous Kidney and Pancreas Transplantation: A Single-Centre Experience in the Tacrolimus Era. *ISRN Transplantation*, 2013, 1-6. [More Information]

O'Connell, P., Cowan, P., Hawthorne, W., Yi, S., Lew, A. (2013). Transplantation of Xenogeneic Islets: Are We There Yet? *Current Diabetes Reports*, 13(5), 687-694. [More Information]

2012

Yi, S., Ji, M., Wu, J., Ma, X., Phillips, P., Hawthorne, W., O'Connell, P. (2012). Adoptive Transfer With In Vitro Expanded Human Regulatory T Cells Protects Against Porcine Islet Xenograft Rejection via Interleukin-10 in Humanized Mice. *Diabetes*, 61(5), 1180-1191. [More Information]

Thwaites, S., Gurung, B., Yao, J., Kable, K., Robertson, P., Ryan, B., Lam, V., Pleass, H., Chapman, J., Hawthorne, W., Allen, R. (2012). Excellent Outcomes of Simultaneous Pancreas Kidney Transplantation in Patients From Rural and Urban Australia: A National Service Experience. *Transplantation*, 94(12), 1230-1235. [More Information]

Campbell, P., Weinberg, A., Chee, J., Mariana, L., Ayala, R., Hawthorne, W., O'Connell, P., Loudovaris, T., Cowley, M., Kay, T., et al (2012). Expression of Pro- and Anti-apoptotic Molecules of the Bcl-2 Family in Human Islets Postisolation. *Cell Transplantation*, 21(1), 49-60. [More Information]

Cowley, M., Weinberg, A., Zammit, N., Walters, S., Hawthorne, W., Loudovaris, T., Thomas, H., Kay, T., Gunton, J., Alexander, S., O'Connell, P., et al (2012). Human islets express a marked proinflammatory molecular signature prior to transplantation. *Cell Transplantation*, 21(9), 2063-2078. [More Information]

Tran, H., Saliba, L., Chandratnam, E., Turingan, I., Hawthorne, W. (2012). Strategies to Minimize Adhesions to Intraperitoneally Placed Mesh in Laparoscopic Ventral Hernia Repair. *Journal of the Society of Laparoendoscopic Surgeons*, 16(1), 89-94. [More Information]

2011

Lucewicz, A., Wong, G., Lam, V., Hawthorne, W., Allen, R., Craig, J., Pleass, H. (2011). Management of Primary Symptomatic Lymphocele After Kidney Transplantation: A Systematic Review. *Transplantation*, 92(6), 663-673. [More Information]

Chew, M., Hawthorne, W., Bendall, J., Whereat, S., Huang, S., Ting, I., Simond, D., McLean, A. (2011). No beneficial effects of levosimendan in acute porcine endotoxaemia. *Acta Anaesthesiologica Scandinavica*, 55(7), 851-861. [More Information]

Hawthorne, W., Simond, D., Stokes, R., Patel, A., Walters, S., Burgess, J., O'Connell, P. (2011). Pre-clinical model of composite foetal pig pancreas fragment/renal xenotransplantation to treat renal failure and diabetes. *Xenotransplantation*, 18(6), 390-399. [More Information]

Hawthorne, W., Simond, D., Stokes, R., Patel, A., Walters, S., Burgess, J., O'Connell, P. (2011). Subcapsular Fetal Pig Pancreas Fragment Transplantation Provides Normal Blood Glucose Control in a Preclinical Model of Diabetes. *Transplantation*, 91(5), 515-521. [More Information]

Ji, M., Yi, S., Smith-Hurst, H., Phillips, P., Wu, J., Hawthorne, W., O'Connell, P. (2011). The Importance of Tissue Factor Expression by Porcine NICC in Triggering IBMIR in the Xenograft Setting. *Transplantation*, 91(8), 841-846. [More Information]

2010

Lam, V., Pleass, H., Hawthorne, W., Allen, R. (2010). Evolution of pancreas transplant surgery. *ANZ Journal of Surgery*, 80(6), 411-418. [More Information]

Wong, M., Hawthorne, W., Manolios, N. (2010). Gene Therapy in Diabetes. *Self Nonself*, 1(3), 165-175. [More Information]

Wang, W., Liu, S., Zheng, W., Gao, F., Hawthorne, W., Yi, S. (2010). Hepatic artery vs. portal vein infusion of microbeads: a large animal pre-clinical model evaluating the intrahepatic capacity for cell infusion and imaging. *Xenotransplantation*, 17(3), 207-214. [More Information]

Cheng, K., Ho, K., Stokes, R., Scott, C., Lau, S., Hawthorne, W., O'Connell, P., Loudovaris, T., Kay, T., Kulkarni, R., Biankin, A., Kench, J., Gunton, J., et al (2010). Hypoxia-inducible factor-1alpha regulates beta cell function in mouse and human islets. *Journal of Clinical Investigation*, 120(6), 2171-2183. [More Information]

2009

Lam, V., Laurence, J., Robertson, P., Hawthorne, W., Ryan, B., Lau, H., Allen, R., Pleass, H. (2009). En bloc paediatric kidney transplant: is this the best use of a scarce resource? *ANZ Journal of Surgery*, 79(1-2), 27-32. [More Information]

Hawthorne, W., Xing, X., Yi, S., Simond, D., Dong, Q., Ye, B., Tong, Q., Ye, Z., Wang, W. (2009). Investigation of porcine endogenous retrovirus in the conservation population of ningxiang pig. *Transplantation Proceedings*, 41(10), 4389-4393. [More Information]

Londrigan, S., Brady, J., Sutherland, R., Cowan, P., d'Apice, A., Hawthorne, W., O'Connell, P., Lew, A. (2009). Optimizing transduction of pig islet cell clusters for xenotransplantation. *Xenotransplantation*, 16(1), 45-46. [More Information]

Akima, S., Hawthorne, W., Favaloro, E., Patel, A., Blyth, K., Mudaliar, M., Chapman, J., O'Connell, P. (2009). Tirofiban and Activated Protein C Synergistically Inhibit the Instant Blood Mediated Inflammatory Reaction (IBMIR) from Allogeneic Islet Cells Exposure to Human Blood. *American Journal of Transplantation*, 9, 1533-1540. [More Information]

2008

Feller, J., Simpson, A., Nelson, M., O'Connell, P., Swan, M., Hawthorne, W., Tao, C., O'Brien, B. (2008). Growth Promoting Effect of Rh(D) Antibody on Human Pancreatic Islet Cells. *The Journal of Clinical Endocrinology and Metabolism*, 93(9), 3560-3567. [More Information]

Wu, J., Yi, S., Ouyang, L., Jimenez, E., Simond, D., Wang, W., Wang, Y., Hawthorne, W., O'Connell, P. (2008). In Vitro Expanded Human CD4+CD25+ Regulatory T Cells are Potent Suppressors of T-Cell-Mediated Xenogeneic Responses.

Transplantation, 85(12), 1841-1848. [More Information]

Fu, Y., Yi, S., Wu, J., Jimenez-Vera, E., Simond, D., Hawthorne, W., O'Connell, P. (2008). In vitro suppression of xenimmune-mediated macrophage activation by human CD4+CD25+ regulatory T cells. *Transplantation*, 86(6), 865-874. [More Information]

Jung, K., Simond, D., Moran, C., Hawthorne, W., Jeon, J., Jin, D., Lee, J. (2008). Investigation of Deletion Variation and Methylation Patterns in the 5' LTR of Porcine Endogenous Retroviruses. *Asian-Australasian Journal of Animal Sciences*, 21(11), 1572-1575.

Fu, Y., Lu, X., Yi, S., O'Hara, J., Hawthorne, W., Hucker, K., O'Connell, P. (2008). Selective rejection of porcine islet xenografts by macrophages. *Xenotransplantation*, 15(5), 307-312. [More Information]

Horton, P., Hawthorne, W., Walters, S., Patel, T., Stewart, G., Allen, R., Chapman, J. (2008). Tolerance Induction in a Large-Animal Model Using Total Lymphoid Irradiation and Intrathymic Bone Marrow. *Transplantation*, 86(12), 1830-1836. [More Information]

2007

Chandra, A., Ouyang, L., Wong, J., Ha, H., Walters, S., Patel, A., Hawthorne, W., Yi, S. (2007). Association between islet xenograft rejection mediated by activated macrophages and upregulated chemokines. *Zhongnan Daxue Xuebao (Yixue Ban)*, 32(1), 26-35. [More Information]

Chandra, A., Ouyang, L., Yi, S., Wong, J., Ha, H., Walters, S., Patel, A., Stokes, R., Jardine, M., Hawthorne, W., O'Connell, P. (2007). Chemokine and toll-like receptor signaling in macrophage mediated islet xenograft rejection. *Xenotransplantation*, 14(1), 48-59. [More Information]

Londrigan, S., Brady, J., Sutherland, R., Hawthorne, W., Thomas, H., Jhala, G., Cowan, P., Kay, T., O'Connell, P., Lew, A. (2007). Evaluation of promoters for driving efficient transgene expression in neonatal porcine islets. *Xenotransplantation*, 14(2), 119-125. [More Information]

Yi, S., Wang, Y., Chandra, A., O'Hara, J., Wu, J., Ouyang, L., Burgess, J., Hawthorne, W., Wu, H., Chadban, S., O'Connell, P. (2007). Requirement of MyD88 for macrophage-mediated islet xenograft rejection after adoptive transfer. *Transplantation*, 83(5), 615-623. [More Information]

2006

O'Connell, P., Hawthorne, W., Holmes-Walker, D., Nankivell (Nankievell), B., Gunton, J., Patel, A., Walters, S., Pleass, H., Allen, R., Chapman, J. (2006). Clinical islet transplantation in type 1 diabetes mellitus: results of Australia's first trial. *Medical Journal of Australia*, 184(5), 221-225. <a href="http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retri

eve&db=pubmed&dopt=Abstract&list_uids=16515432">[More Information]

Akima, S., Hawthorne, W., Koutts, J., Patel, A., Burgess, J., O'Hara, J., Mudaliar, Y., Favaloro, E., O'Connell, P. (2006). Differences in the efficacy of recombinant human activated protein C against allogeneic and xenogeneic IBMIR. 84(3), A16-A16.

Hawthorne, W., Patel, A., O'Hara, J., Akima, S., Salvaris, E., Nottle, M., d'Aspice, A., Cowan, P., O'Connell, P. (2006). Elimination of the alpha Gal antigen on NICC reduces ibmir following exposure of pig NICC to human blood. *24th Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand (2006)*, Australia: Nature Publishing Group.

O'Connell, P., Lew, A., Cowan, P., Londrigan, S., Hawthorne, W., Nottle, M., d'Apice, A. (2006). Islet xenotransplantation: progress towards a clinical therapy. *Current Opinion in Organ Transplantation*, 11(2), 174-179. [More Information]

Chandra, A., Wong, J., Yi, S., Ha, H., Patel, A., O'Connell, P., Hawthorne, W. (2006). Lack of IL-15 reduces recruitment of xenoreactive leukocytes into discordant islet xenografts but does not prolong graft survival. *24th Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand (2006)*, Australia: Nature Publishing Group.

Simond, D., Moran, C., Garkavenko, O., O'Connell, P., Hawthorne, W. (2006). Real-time PCR detection of porcine endogenous retroviruses. *24th Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand (2006)*, Australia: Nature Publishing Group.

Harvey (Holyoake), P., Stevenson, J., Moran, C., Stokes, R., Kirk, E., Sugo, E., Hawthorne, W. (2006). The first reported case of congenital heart defects in pigs in Australia. *19th International Pig Veterinary Society Congress IPVS 2006*, Denmark: International Pig Veterinary Society.

Lam, V., Wong, K., Hawthorne, W., Ryan, B., Lau, H., Robertson, P., Allen, R., Pleass, H. (2006). The linear cutting stapler for enteric anastomosis: a new technique in pancreas transplantation. *Transplant International*, 19(11), 915-918. [More Information]

Harvey (Holyoake), P., Stevenson, J., Moran, C., Stokes, R., Kirk, E., Sugo, E., Hawthorne, W. (2006). The occurrence of congenital heart defects in an inbred herd of pigs in Australia. *Australian Veterinary Journal*, 84(4), 129-133. [More Information]

Varcoe, R., Mikhail, M., Guiffre, A., Pennings, G., Vicaretti, M., Hawthorne, W., Fletcher, J., Medbury, H. (2006). The role of the fibrocyte in intimal hyperplasia. *Journal of Thrombosis and Haemostasis*, 4(5), 1125-1133. [More Information]

Hawthorne, W., Stokes, R., Patel, A., Burgess, J., Walters, S., Simond, D., O'Connell, P. (2006). Westran fetal pig pancreas fragment transplants provide long-term normoglycaemia in adult pi. *24th Annual Scientific Meeting of the Transplantation Society of Australia and New Zealand (2006)*, Australia: Nature Publishing Group.

2005

Wong, K., Kable, K., Hawthorne, W., Robertson, P., Chan, K., Nankivell (Nankievell), B., O'Connell, P., Chapman, J., Lau, H., Pleass, H., Allen, R. (2005). A comparison of 2 surgical techniques in pancreas transplantation. *Immunology and Cell*

Lee, J., Simond, D., Hawthorne, W., Walters, S., Patel, A., Smith, D., O'Connell, P., Moran, C. (2005). Characterization of the swine major histocompatibility complex alleles at eight loci in Westran pigs. *Xenotransplantation*, 12(4), 303-307. [More Information]

Benseler, V., Bishop, A., Ch'ng, K., Watson, J., Wang, C., Dahlke, M., Koutalistras, N., Watts, A., Hawthorne, W., McKenzie, P., Hennessy, A., Pleass, H., Chadban, S., Schlitt, H., McCaughan, G., et al (2005). Development of a primate model to evaluate strategies to achieve long term renal allograft acceptance. *Immunology and Cell Biology*, 83(4 Suppl.), A26-A26.

O'Connell, P., Hawthorne, W., Simond, D., Chapman, J., Chen, Y., Patel, A., Walters, S., Burgess, J., Weston, L., Stokes, R., Moran, C., Allen, R. (2005). Genetic and Functional evaluation of the level of inbreeding of the Westran pig: a herd with potential for use in xenotransplantation. *Xenotransplantation*, 12(4), 308-315. [More Information]

Yi, S., Ouyang, L., Ha, H., O'Hara, J., Chandra, A., Akima, S., Hawthorne, W., Patel, A., Stokes, R., O'Connell, P. (2005). Involvement of CCR5 Signaling in Macrophage Recruitment to Porcine Islet Xenografts. *Transplantation*, 80(10), 1468-1475. [More Information]

Gunton, J., Kulkarni, R., Yim, S., Okada, T., Hawthorne, W., Tseng, Y., Roberson, R., Ricordi, C., O'Connell, P., Gonzalez, F., et al (2005). Loss of ARNT/HIF1beta mediates altered gene expression and pancreatic-islet dysfunction in human type 2 diabetes. *Cell*, 122(3), 337-349. [More Information]

2004

Fletcher, J., Ao, P., Hawthorne, W. (2004). Antiproliferative Effects Of Low Molecular Weight Heparin. *ANZ Journal of Surgery*, 74(9), 793-796. [More Information]

Huang, P., Hawthorne, W., Fletcher, J. (2004). Time Course Of Cellular Proliferation, Neointima Formation, Apoptosis And Its Fas Pathway Following Dacron Patch Graft Implantation In Sheep Carotid Artery. *Cardiovascular Pathology*, 13(3 Supplement 1), S118.

2003

Yi, S., Hawthorne, W., Lehnert, A., Ha, H., Wong, J., Rooijen, N., Davey, K., Patel, A., Walters, S., Chandra, A., O'Connell, P. (2003). T Cell-Activated Macrophages Are Capable of Both Recognition and Rejection of Pancreatic Islet Xenografts. *Journal of Immunology*, 170(5), 2750-2758.

2002

Yi, S., Feng, X., Hawthorne, W., Patel, A., Walters, S., O'Connell, P. (2002). CD4+ T Cells initiate Pancreatic Islet Xenograft rejection via an interferon- γ -Dependent recruitment of macrophages and natural killer cells. *Transplantation*, 73(3), 437-446.

Tso, C., Skinner, M., Hawthorne, W., Fletcher, J. (2002). Matrigel-coated stents reduce intimal thickening in a large animal vascular stent Model. *International Angiology*, 21(3), 244-249.

Hawthorne, W., Pye, A., Vicaretti, M., Fletcher, J. (2002). New Methodology for Assessment of Intimal Hyperplasia of Vascular Prostheses. *ANZ Journal of Surgery*, 72(9), 623-627. [More Information]

Huang, P., Hawthorne, W., Ao, P., Angeli, G., Medbury, H., Fletcher, J. (2002). Perigraft adventitia and intima remodeling after synthetic patch implantation in sheep carotid artery: Role of apoptosis and proliferation. *Journal Of Vascular Surgery*, 36(2), 371-378. [More Information]

Hawthorne, W., Ao, P., Fletcher, J. (2002). Vascular closure staples reduce intimal hyperplasia in prosthesis implantation. *ANZ Journal of Surgery*, 72(12), 862-866. [More Information]

2001

Lehnert, A., Hawthorne, W., O'Connell, P., Mottram, P., Han, W., Walters, S., Patel, A., Cowan, P., d'Apice, A. (2001). Blockage of the cd28 and cd40 pathways result in the acceptance of pig and rat islet xenografts but not rat cardiac grafts in mice. *Transplant Immunology*, 9, 51-56. [More Information]

Huang, P., Hawthorne, W., Ao, P., Fletcher, J., Angeli, G., Medbury, H. (2001). Calcium channel antagonist verapamil inhibits neointimal formation and enhances apoptosis in a vas. *The American Journal Of Surgery*, 181(6), 492-498.

Ao, P., Hawthorne, W., Fletcher, J., Bobryshev, Y., Inder, S., Cherian, S., Lord, R. (2001). Colonisation of prosthetic grafts by immunocompetent cells in a sheep model. *Vascular*, 9(2), 166-176. [More Information]

Allen, R., Nankivell (Nankievell), B., Hawthorne, W., O'Connell, P., Chapman, J. (2001). Pancreas and islet transplantation: an unfinished journey. *Transplantation Proceedings*, 33, 3485-3488. [More Information]

2000

Hawthorne, W., Cachia, A., Walters, S., Patel, A., Clarke, J., O'Connell, P., Chapman, J., Allen, R. (2000). A large-animal model to evaluate the clinical potential of fetal pig pancreas fragment transplantation. *Cell Transplantation*, 9, 867-875.

Ao, P., Hawthorne, W., Vicaretti, M., Fletcher, J. (2000). Development of Intimal Hyperplasia in six different Vascular Prostheses. *European Journal of Vascular and Endovascular Surgery*, 20, 241-249.

Horton, P., Hawthorne, W., Walters, S., Patel, A., O'Connell, P., Chapman, J., Allen, R. (2000). Induction of allogenic islet tolerance in a large-animal model. *Cell Transplantation*, 9, 877-887.

Ao, P., Hawthorne, W., Vicaretti, M., Fletcher, J. (2000). Verapamil reduces intimal hyperplasia in a sheep carotid artery patch graft model. *ANZ Journal of Surgery*, 70(1), 64-67.