

## Employment

### Professor

Pharmacology  
MONASH UNIVERSITY  
1 Nov 2009 → present

### Monash Biomedicine Discovery Institute

MONASH UNIVERSITY  
1 Jan 2016 → present

### Victorian Heart Institute (VHI)

MONASH UNIVERSITY  
1 May 2020 → present

## Research outputs

### Elucidating the cell penetrating properties of self-assembling $\beta$ -peptides

McFetridge, M. L., Kulkarni, K., Lee, T-H., Del Borgo, M. P., Aguilar, M. I. & Ricardo, S. D., 28 Sept 2023, In: *Nanoscale*. 36, p. 14971–14980 10 p.

### GLA-modified RNA treatment lowers GB3 levels in iPSC-derived cardiomyocytes from Fabry-affected individuals

ter Huurne, M., Parker, B. L., Liu, N. Q., Qian, E. L., Vivien, C., Karavendzas, K., Mills, R. J., Saville, J. T., Abu-Bonsrah, D., Wise, A. F., Hudson, J. E., Talbot, A. S., Finn, P. F., Martini, P. G. V., Fuller, M., Ricardo, S. D., Watt, K. I., Nicholls, K. M., Porrello, E. R. & Elliott, D. A., 7 Sept 2023, In: *American Journal of Human Genetics*. 110, 9, p. 1600-1605 6 p.

### Cellular delivery of relaxin-2 mRNA as a potential treatment for kidney fibrosis

Ding, C., Wang, B., Lai, X. F., Guo, Y., Tesch, G., Ding, X., Zheng, J., Tian, P. X., Ricardo, S., Shen, H-H. & Xue, W., Aug 2023, In: *Materials Today Bio*. 21, 12 p., 100716.

### The protective effects of a novel AT<sub>2</sub> receptor agonist, $\beta$ -Pro<sup>7</sup> Ang III in ischemia-reperfusion kidney injury

Zhang, T., Li, Y., Wise, A. F., Kulkarni, K., Aguilar, M. I., Samuel, C. S., Del Borgo, M., Widdop, R. E. & Ricardo, S. D., May 2023, In: *Biomedicine & Pharmacotherapy*. 161, 114556, 13 p., 114556.

### Simultaneous late-gadolinium enhancement and T1 mapping of fibrosis and a novel cell-based combination therapy in hypertensive mice

Li, Y., Zheng, G., Salimova, E., Broughton, B. R. S., Ricardo, S. D., de Veer, M. & Samuel, C. S., Feb 2023, In: *Biomedicine & Pharmacotherapy*. 158, 19 p., 114069.

### A comparison of fixation methods for SEM analysis of self-assembling peptide hydrogel nanoarchitecture

McFetridge, M. L., Kulkarni, K., Hilsenstein, V., Del Borgo, M. P., Aguilar, M. I. & Ricardo, S. D., 21 Jan 2023, In: *Nanoscale*. 15, 3, p. 1431-1440 10 p.

### Enhancing the Therapeutic Potential of Mesenchymal Stromal Cell-Based Therapies with an Anti-Fibrotic Agent for the Treatment of Chronic Kidney Disease

Li, Y., Ricardo, S. D. & Samuel, C. S., 1 Jun 2022, In: *International Journal of Molecular Sciences*. 23, 11, 24 p., 6035.

### The Placental NLRP3 Inflammasome and Its Downstream Targets, Caspase-1 and Interleukin-6, Are Increased in Human Fetal Growth Restriction: Implications for Aberrant Inflammation-Induced Trophoblast Dysfunction

Alfian, I., Chakraborty, A., Yong, H. E. J., Saini, S., Lau, R. W. K., Kalionis, B., Dimitriadis, E., Alfaiay, N., Ricardo, S. D., Samuel, C. S. & Murthi, P., 1 May 2022, In: *Cells*. 11, 9, 25 p., 1413.

### A Novel Approach to Enhance the Regenerative Potential of Circulating Endothelial Progenitor Cells in Patients with End-Stage Kidney Disease

Badawi, A., Jefferson, O. C., Huuskas, B. M., Ricardo, S. D., Kerr, P. G., Samuel, C. S. & Murthi, P., Apr 2022, In: *Biomedicines*. 10, 4, 13 p., 883.

**WNT1-inducible signaling pathway protein 1 regulates kidney inflammation through the NF- $\kappa$ B pathway**

Wang, B., Ding, C., Ding, X., Tesch, G., Zheng, J., Tian, P. Y., Li, Y., Ricardo, S., Shen, H. H. & Xue, W., 5 Jan 2022, In: *Clinical Science*. 136, 1, p. 29-44 16 p.

**The Differentiation of Human Induced Pluripotent Stem Cells into Podocytes In Vitro**

Wise, A. F., Saini, S. & Ricardo, S., 2022, *Induced Pluripotent Stem (iPS) Cells: Methods and Protocols*. Nagy, A. & Turksen, K. (eds.). 2nd ed. New York NY USA: Humana Press, p. 317-325 9 p. (Methods in Molecular Biology; vol. 2454).

**Significance of the placental barrier in antenatal viral infections**

Yong, H. E. J., Chan, S-Y., Chakraborty, A., Rajaraman, G., Ricardo, S., Benharouga, M., Alfaidy, N., Staud, F. & Murthi, P., 1 Dec 2021, In: *Biochimica et Biophysica Acta - Molecular Basis of Disease*. 1867, 12, 8 p., 166244.

**Comparing the renoprotective effects of BM-MSCs versus BM-MSC-exosomes, when combined with an anti-fibrotic drug, in hypertensive mice**

Li, Y., Chakraborty, A., Broughton, B. R. S., Ferens, D., Widdop, R. E., Ricardo, S. D. & Samuel, C. S., Dec 2021, In: *Biomedicine & Pharmacotherapy*. 144, 12 p., 112256.

**Modelling X-linked Alport Syndrome With Induced Pluripotent Stem Cell-Derived Podocytes**

Lau, R. W. K., Fisher, C., Phan, T. K., Ozkocak, D. C., Selby, J., Saini, S., Mukundan, S., Wise, A. F., Savige, J., Ho Poon, I. K., Haynes, J. & Ricardo, S. D., Nov 2021, In: *Kidney International Reports*. 6, 11, p. 2912-2917 6 p.

**Combining mesenchymal stem cells with serelaxin provides enhanced renoprotection against 1K/DOCA/salt-induced hypertension**

Li, Y., Shen, M., Ferens, D., Broughton, B. R. S., Murthi, P., Saini, S., Widdop, R. E., Ricardo, S. D., Pinar, A. A. & Samuel, C. S., Mar 2021, In: *British Journal of Pharmacology*. 178, 5, p. 1164-1181 18 p.

**WNT1-inducible-signaling pathway protein 1 regulates the development of kidney fibrosis through the TGF- $\beta$ 1 pathway**

Wang, B., Ding, X., Ding, C., Tesch, G., Zheng, J., Tian, P. X., Ricardo, S., Shen, H-H. & Xue, W., Nov 2020, In: *The FASEB Journal*. 34, 11, p. 14507-14520 14 p.

**Percutaneous intrarenal transplantation of differentiated induced pluripotent stem cells into newborn mice**

Lau, R. W. K., Al-Rubaie, A., Saini, S., Wise, A. F. & Ricardo, S. D., Oct 2020, In: *Anatomical Record*. 303, 10, p. 2603-2612 10 p.

**Renal epithelial cells retain primary cilia during human acute renal allograft rejection injury**

Verghese, E., Martelotto, L. G., Cain, J. E., Williams, T. M., Wise, A. F., Hill, P. A., Langham, R. G., Watkins, D. N., Ricardo, S. D. & Deane, J. A., 1 Nov 2019, In: *BMC Research Notes*. 12, 1, 5 p., 718.

**MTOR-mediated podocyte hypertrophy regulates glomerular integrity in mice and humans**

Puelles, V. G., van der Wolde, J. W., Wanner, N., Scheppach, M. W., Cullen-McEwen, L. A., Bork, T., Lindenmeyer, M. T., Gernhold, L., Wong, M. N., Braun, F., Cohen, C. D., Kett, M. M., Kuppe, C., Kramann, R., Saritas, T., Van Roeyen, C. R., Moeller, M. J., Tribolet, L., Rebello, R., Sun, Y. B. Y., & 13 others Li, J., Müller-Newen, G., Hughson, M. D., Hoy, W. E., Person, F., Wiech, T., Ricardo, S. D., Kerr, P. G., Denton, K. M., Furic, L., Huber, T. B., Nikolic-Paterson, D. J. & Bertram, J. F., 19 Sept 2019, In: *JCI Insight*. 4, 18, 18 p., e99271.

**Kidney organoids and the transplantation of human induced pluripotent stem cell-derived podocytes into newborn mouse kidneys**

Lau, R., Lim, M., Saini, S., Al-Rubaie, A., Tripathi, P. & Ricardo, S., Jul 2019, In: *Kidney International Reports*. 4, 7 Supplement, p. S212 1 p.

**The use of live cell imaging and automated image analysis to assist with determining optimal parameters for angiogenic assay in vitro**

Huuskas, B. M., DeBuque, R. J., Kerr, P. G., Samuel, C. S. & Ricardo, S. D., 10 Apr 2019, In: *Frontiers in Cell and Developmental Biology*. 7, 14 p., 45.

**The use of targeted next generation sequencing to explore candidate regulators of TGF- $\beta$ 1's impact on kidney cells**  
Wang, B., Ji, G., Naeem, H., Wang, J., Kantharidis, P., Powell, D. & Ricardo, S. D., Dec 2018, In: *Frontiers in Physiology*. 9, 14 p., 1755.

**Gene editing of stem cells for kidney disease modelling and therapeutic intervention**  
Lau, R. W. K., Wang, B. & Ricardo, S. D., 1 Nov 2018, In: *Nephrology*. 23, 11, p. 981-990 10 p.

**Induced pluripotent stem cell-derived podocyte-like cells as models for assessing mechanisms underlying heritable disease phenotype: Initial studies using two alport syndrome patient lines indicate impaired potassium channel activity**  
Haynes, J. M., Selby, J. N., Vandekolk, T. H., Abad, I. P. L., Ho, J. K., Lieu, W-L., Leach, K., Savage, J., Saini, S., Fisher, C. L. & Ricardo, S. D., 1 Nov 2018, In: *Journal of Pharmacology and Experimental Therapeutics*. 367, 2, p. 335-347 13 p.

**The use of hydrogels for cell-based treatment of chronic kidney disease**  
McFetridge, M. L., Del Borgo, M. P., Aguilar, M-I. & Ricardo, S. D., 14 Sept 2018, In: *Clinical Science*. 132, 17, p. 1977-1994 18 p.

**The therapeutic effect of mesenchymal stem cells on pulmonary myeloid cells following neonatal hyperoxic lung injury in mice**  
Al-Rubaie, A., Wise, A. F., Sozo, F., De Matteo, R., Samuel, C. S., Harding, R. & Ricardo, S. D., 8 Jun 2018, In: *Respiratory Research*. 19, 1, 11 p., 114.

**Phenotype and influx kinetics of leukocytes and inflammatory cytokine production in kidney ischemia/reperfusion injury**  
Williams, T. M., Wise, A. F., Layton, D. S. & Ricardo, S. D., 1 Jan 2018, In: *Nephrology*. 23, 1, p. 75-85 11 p.

**Endothelial Progenitor Cells and Vascular Health in Dialysis Patients**  
Huuskens, B. M., DeBuque, R. J., Polkinghorne, K. R., Samuel, C. S., Kerr, P. G. & Ricardo, S. D., Jan 2018, In: *Kidney International Reports*. 3, 1, p. 205-211 7 p.

**Effects of antenatal melatonin therapy on lung structure in growth-restricted newborn lambs**  
Polglase, G. R., Barbuto, J., Allison, B. J., Yawno, T., Sutherland, A. E., Malhotra, A., Schulze, K. E., Wallace, E. M., Jenkin, G., Ricardo, S. D. & Miller, S. L., 1 Nov 2017, In: *Journal of Applied Physiology*. 123, 5, p. 1195-1203 9 p.

**Cell-based therapies for tissue fibrosis**  
Lim, R., Ricardo, S. D. & Sievert, W., 22 Sept 2017, In: *Frontiers in Pharmacology*. 8, 8 p., 633.

**The Chemical Chaperone, PBA, Reduces ER Stress and Autophagy and Increases Collagen IV  $\alpha$ 5 Expression in Cultured Fibroblasts From Men With X-Linked Alport Syndrome and Missense Mutations**  
Wang, D., Mohammad, M., Wang, Y., Tan, R., Murray, L. S., Ricardo, S., Dagher, H., van Agtmael, T. & Savage, J., 1 Jul 2017, In: *Kidney International Reports*. 2, 4, p. 739-748 10 p.

**Mesenchymal stromal cells targeting kidney disease: Benefits of a combined therapeutic approach**  
Huuskens, B. M. & Ricardo, S. D., 2017, *The Biology and Therapeutic Application of Mesenchymal Cells*. Hoboken, New Jersey: John Wiley & Sons, p. 754-769 16 p.

**miR-378 reduces mesangial hypertrophy and kidney tubular fibrosis via MAPK signalling**  
Wang, B., Yao, K., Wise, A. F., Lau, R., Shen, H-H., Tesch, G. H. & Ricardo, S. D., 2017, In: *Clinical Science*. 131, 5, p. 411-423 13 p.

**Renal cellular hypoxia in adenine-induced chronic kidney disease**  
Fong, D., Ullah, M. M., Lal, J. G., Abdelkader, A., Ow, C. P. C., Hilliard, L. M., Ricardo, S. D., Kelly, D. J. & Evans, R. G., 1 Oct 2016, In: *Clinical and Experimental Pharmacology and Physiology*. 43, 10, p. 896-905 10 p.

**Mesenchymal stem cells as novel micro-ribonucleic acid delivery vehicles in kidney disease**

Yao, K. & Ricardo, S. D., 1 May 2016, In: *Nephrology*. 21, 5, p. 363-371 9 p.

**Human mesenchymal stem cells alter the gene profile of monocytes from patients with Type 2 diabetes and end-stage renal disease**

Wise, A. F., Williams, T. M., Rudd, S. A., Wells, C. A., Kerr, P. G. & Ricardo, S. D., 2 Mar 2016, In: *Regenerative Medicine*. 11, 2, p. 145-158 14 p.

**Inpp5e suppresses polycystic kidney disease via inhibition of PI3K/Akt-dependent mTORC1 signaling**

Hakim, S., Dyson, J. M., Feeney, S. J., Davies, E. M., Sriratana, A., Koenig, M. N., Plotnikova, O., Smyth, I. M., Ricardo, S. D., Hobbs, R. M. & Mitchell, C. A., 2016, In: *Human Molecular Genetics*. 25, 11, p. 2295-2313 19 p.

**Mesenchymal stem cells deliver exogenous microRNA-let7c via exosomes to attenuate renal fibrosis**

Wang, B., Yao, K., Huuskas, B. M., Shen, H-H., Zhuang, J., Godson, C., Brennan, E. P., Wilkinson-Berka, J. L., Wise, A. F. & Ricardo, S. D., 2016, In: *Molecular Therapy*. 24, 7, p. 1290-1301 12 p.

**Patient-Derived Induced Pluripotent Stem Cells to Target Kidney Disease**

Barnes, F. J. & Ricardo, S. D., 2016, *Kidney Development, Disease, Repair and Regeneration*. Little, M. H. (ed.). 1st ed. London UK: Academia Press, p. 491-505 15 p.

**Serelaxin improves the therapeutic efficacy of RXFP1-expressing human amnion epithelial cells in experimental allergic airway disease**

Royce, S. G., Tominaga, A. M., Shen, M., Patel, K. P., Huuskas, B., Lim, R., Ricardo, S. D. & Samuel, C. S., 2016, In: *Clinical Science*. 130, 23, p. 2151-2165 15 p.

**Combination therapy of mesenchymal stem cells and serelaxin effectively attenuates renal fibrosis in obstructive nephropathy**

Huuskas, B., Wise, A. F., Cox, A. J., Lim, E. X., Payne, N. L., Kelly, D. J., Samuel, C. S. & Ricardo, S. D., 2015, In: *The FASEB Journal*. 29, 2, p. 540 - 553 14 p.

**M2 macrophage accumulation in the aortic wall during angiotensin II infusion in mice is associated with fibrosis, elastin loss, and elevated blood pressure**

Moore, J. P., Vinh, A., Tuck, K. L., Sakkal, S., Krishnan, S., Chan, C., Lieu, M., Samuel, C. S., Diep, H., Harper, B. K., Tare, M., Ricardo, S. D., Guzik, T. J., Sobey, C. G. & Drummond, G. R., 2015, In: *American Journal of Physiology - Heart and Circulatory Physiology*. 309, 5, p. 906 - 917 12 p.

**Mesenchymal stem cells and serelaxin synergistically abrogate established airway fibrosis in an experimental model of chronic allergic airways disease**

Royce, S. G., Shen, M., Patel, K. P., Huuskas, B., Ricardo, S. D. & Samuel, C. S., 2015, In: *Stem Cell Research*. 15, 3, p. 495 - 505 11 p.

**Establishing the flow cytometric assessment of myeloid cells in kidney ischemia/reperfusion injury**

Williams, T. M., Wise, A. F., Alikhan, M., Layton, D. S. & Ricardo, S. D., 2014, In: *Cytometry Part A*. 85, 3, p. 256 - 267 12 p.

**Human mesenchymal stem cells alter macrophage phenotype and promote regeneration via homing to the kidney following ischemia-reperfusion injury**

Wise, A. F., Williams, T. M., Kiewiet, M. B. G., Payne, N. L., Siatskas, C., Samuel, C. S. & Ricardo, S. D., 2014, In: *American Journal of Physiology-Renal Physiology*. 306, 10, p. 1222 - 1235 14 p.

**Role of microRNA machinery in kidney fibrosis**

Wang, B. & Ricardo, S. D., 2014, In: *Clinical and Experimental Pharmacology and Physiology*. 41, 8, p. 543 - 550 8 p.

**The effect of CSF-1 administration on lung maturation in a mouse model of neonatal hyperoxia exposure**

Jones, C. V., Alikhan, M. A., O'Reilly, M., Sozo, F., Williams, T., Harding, R. L., Jenkin, G. & Ricardo, S. D., 2014, In: *Respiratory Research*. 15, 1, p. 1 - 14 14 p., 110.

**A flow cytometric method for the analysis of macrophages in the vascular wall**

Moore, J., Sakkal, S., Bullen, M. L., Harper, B. K., Ricardo, S. D., Sobey, C. G. & Drummond, G. R., 2013, In: *Journal of Immunological Methods*. 396, 1-2, p. 33 - 43 11 p.

**Does a nephron deficit exacerbate the renal and cardiovascular effects of obesity?**

Gurusinge, S., Brown, R. D., Cai, X., Samuel, C. S., Ricardo, S. D., Thomas, M. C. & Kett, M. M., 2013, In: *PLoS ONE*. 8, 9, 8 p., e73095.

**Human kidney cell reprogramming: applications for disease modeling and personalized medicine**

O'Neill, A. C. & Ricardo, S. D., 2013, In: *Journal of the American Society of Nephrology*. 24, 9, p. 1347 - 1356 10 p.

**M2 macrophage polarisation is associated with alveolar formation during postnatal lung development**

Jones, C., Williams, T. M., Walker, K. A., Dickinson, H., Sakkal, S., Rumballe, B. A., Little, M. H., Jenkin, G. & Ricardo, S. D., 2013, In: *Respiratory Research*. 14, 1, p. 1 - 14 14 p., 41.

**Macrophages and CSF-1: implications for development and beyond**

Jones, C. & Ricardo, S. D., 2013, In: *Organogenesis*. 9, 4, p. 249 - 260 12 p.

**Mononuclear phagocyte system in kidney disease and repair**

Alikhan, M. & Ricardo, S. D., 2013, In: *Nephrology*. 18, 2, p. 81 - 91 11 p.

**Visualizing renal primary cilia**

Deane, J. A., Verghese, E., Martelotto, L. G., Cain, J., Galtseva, A., Rosenblum, N. D., Watkins, D. N. & Ricardo, S. D., 2013, In: *Nephrology*. 18, 3, p. 161 - 168 8 p.

**Chronic treatment with tempol does not significantly ameliorate renal tissue hypoxia or disease progression in a rodent model of polycystic kidney disease**

Ding, A., Kalaignanasundaram, P., Ricardo, S. D., Abdelkader, A., Witting, P. K., Broughton, B. RS., Kim, H. B., Wyse, B. F., Phillips, J. K. & Evans, R. G., 2012, In: *Clinical and Experimental Pharmacology and Physiology*. 39, 11, p. 917 - 929 13 p.

**Emerging roles for renal primary cilia in epithelial repair**

Deane, J. & Ricardo, S., 2012, In: *International Review of Cell and Molecular Biology*. 293, p. 169 - 193 25 p.

**Mesenchymal stem cells in kidney Inflammation and repair**

Wise, A. & Ricardo, S., 2012, In: *Nephrology*. 17, 1, p. 1 - 10 10 p.

**Neural differentiation of patient specific iPS cells as a novel approach to study the pathophysiology of multiple sclerosis**

Song, B., Sun, G., Herszfeld, D., Sylvain, A., Campanale, N. V., Hirst, C. E., Caine, S., Parkington, H. C., Tonta, M. A., Coleman, H. A., Short, M. A., Ricardo, S. D., Reubinoff, B. & Bernard, C. C. A., 2012, In: *Stem Cell Research*. 8, 2, p. 259 - 273 15 p.

**Reversal of vascular macrophage accumulation and hypertension by a CCR2 antagonist in deoxycorticosterone/salt-treated mice**

Chan, C., Moore, J., Budzyn, K., Guida, E., Diep, H., Vinh, A., Jones, E. S., Widdop, R. E., Armitage, J. A., Sakkal, S., Ricardo, S. D., Sobey, C. G. & Drummond, G. R., 2012, In: *Hypertension*. 60, 5, p. 1207 - 1212 6 p.

**The directed differentiation of human iPS cells into kidney podocytes**

Song, B., Smink, A., Jones, C., Callaghan, J. M., Firth, S. D., Bernard, C. CA., Laslett, A. L., Kerr, P. G. & Ricardo, S. D., 2012, In: *PLoS ONE*. 7, 9, 9 p., e46453.

**The fate of bone marrow-derived cells carrying a polycystic kidney disease mutation in the genetically normal kidney**  
Verghese, E., Johnson, C. J., Bertram, J. F., Ricardo, S. D. & Deane, J. A., 2012, In: BMC Nephrology. 13, 1 (Art. No.: 91), p. 1 - 11 11 p.

**The primordial follicle reserve is not renewed after chemical or gamma-irradiation mediated depletion**  
Kerr, J. B., Brogan, L., Myers, M., Hutt, K. J., Mladenovska, T., Ricardo, S. D., Hamza, K., Scott, C. L., Strasser, A. & Findlay, J. K., 2012, In: Reproduction. 143, 4, p. 469 - 476 8 p.

#### **Regenerative Nephrology, Book Review**

Ricardo, S. D., May 2011, In: Nephrology. 16, 4, p. 455-455 1 p.

#### **Colony-stimulating factor-1 promotes kidney growth and repair via alteration of macrophage responses**

Alikhan, M., Jones, C., Williams, T., Beckhouse, A., Fletcher, A., Kett, M., Sakkal, S., Samuel, C. S., Ramsay, R., Deane, J., Wells, C., Little, M., Hume, D. & Ricardo, S., 2011, In: American Journal of Pathology. 179, 3, p. 1243 - 1256 14 p.

#### **Generation of induced pluripotent stem cells from human kidney mesangial cells**

Song, B., Niclis, J., Alikhan, M., Sakkal, S., Sylvain, A., Kerr, P., Laslett, A., Bernard, C. & Ricardo, S., 2011, In: Journal of the American Society of Nephrology. 22, 7, p. 1213 - 1220 8 p.

#### **In vitro investigation of renal epithelial injury suggests that primary cilium length is regulated by hypoxia-inducible mechanisms**

Verghese, E., Zhuang, J., Saiti, D., Ricardo, S. D. & Deane, J. A., 2011, In: Cell Biology International. 35, 9, p. 909 - 913 5 p.

#### **Blockade of endothelial-mesenchymal transition by a Smad3 inhibitor delays the early development of streptozotocin-induced diabetic nephropathy**

Li, J., Qu, X., Yao, J. J., Caruana, G., Ricardo, S. D., Yamamoto, Y., Yamamoto, H. & Bertram, J. F., 2010, In: Diabetes. 59, 10, p. 2612 - 2624 13 p.

#### **Macrophages in renal development, injury, and repair**

Williams, T. M., Little, M. H. & Ricardo, S. D., 2010, In: Seminars in Nephrology. 30, 3, p. 255 - 267 13 p.

#### **Resveratrol inhibits renal fibrosis in the obstructed kidney: Potential role in deacetylation of Smad3**

Li, J., Qu, X., Ricardo, S. D., Bertram, J. F. & Nikolic-Paterson, D. J., 2010, In: American Journal of Pathology. 177, 3, p. 1065 - 1071 7 p.

#### **SCUBE1, a novel developmental gene involved in renal regeneration and repair**

Zhuang, J., Deane, J. A., Yang, R-B., Li, J. & Ricardo, S. D., 2010, In: Nephrology Dialysis Transplantation. 25, p. 1421 - 1428 7 p.

#### **Subfractionation of differentiating human embryonic stem cell populations allows the isolation of a mesodermal population enriched for intermediate mesoderm and putative renal progenitors**

Lin, S. A., Kolle, G., Grimmond, S. M., Zhou, Q., Doust, E., Little, M. H., Aronow, B., Ricardo, S. D., Pera, M. F., Bertram, J. F. & Laslett, A. L., 2010, In: Stem Cells and Development. 19, 10, p. 1637 - 1648 12 p.

#### **Renal primary cilia lengthen after acute tubular necrosis**

Verghese, E., Ricardo, S. D., Weidenfeld, R., Zhuang, J., Hill, P. A., Langham, R. G. & Deane, J. A., 2009, In: Journal of the American Society of Nephrology. 20, 10, p. 2147 - 2153 7 p.

#### **Alterations in renal cilium length during transient complete ureteral obstruction in the mouse**

Wang, L., Weidenfeld, R., Verghese, E., Ricardo, S. D. & Deane, J. A., 2008, In: Journal of Anatomy. 213, 2, p. 79 - 85 7 p.

**Macrophage diversity in renal injury and repair**

Ricardo, S. D., Van Goor, H. & Eddy, A. A., 2008, In: The Journal of Clinical Investigation. 118, 11, p. 3522 - 3530 9 p.

**Renal Cilia display length alterations following tubular injury and are present early in epithelial repair**

Verghese, E., Weidenfeld, R., Bertram, J. F., Ricardo, S. D. & Deane, J. A., 2008, In: Nephrology Dialysis Transplantation. 23, p. 834 - 841 7 p.

**Characterisation and trophic functions of murine embryonic macrophages based upon the use of a Csf1r-EGFP transgene reporter**

Rae, F., Woods, K., Sasmono, T., Campanale, N. V., Taylor, D., Ovchinnikov, D. A., Grimmond, S. M., Hume, D. A., Ricardo, S. D. & Little, M. H., 2007, In: Developmental Biology. 308, 1, p. 232 - 246 15 p.

**Polycystic kidney disease and the renal cilium (Review Article)**

Deane, J. A. & Ricardo, S. D., 2007, In: Nephrology. 12, 6, p. 559 - 564 6 p.

**The contribution of bone marrow-derived cells to the development of renal interstitial fibrosis**

Li, J., Deane, J. A., Campanale, N. V., Bertram, J. F. & Ricardo, S. D., 2007, In: Stem Cells. 25, 3, p. 697 - 706 10 p.

**Blockade of p38 mitogen-activated protein kinase and TGF-beta1/Smad signaling pathways rescues bone marrow-derived peritubular capillary endothelial cells in adriamycin-induced nephrosis**

Li, J., Deane, J. A., Campanale, N. V., Bertram, J. F. & Ricardo, S. D., 2006, In: Journal of the American Society of Nephrology. 17, 10, p. 2799 - 2811 13 p.

**Inhibition of p38 mitogen-activated protein kinase and transforming growth factor-beta1/Smad signaling pathways modulates the development of fibrosis in adriamycin-induced nephropathy**

Li, J., Campanale, N. V., Liang, R. J., Deane, J. A., Bertram, J. F. & Ricardo, S. D., 2006, In: American Journal of Pathology. 169, 5, p. 1527 - 1540 14 p.

**Kidney side population reveals multilineage potential and renal functional capacity but also cellular heterogeneity**

Challen, G., Bertoncello, I., Deane, J., Ricardo, S. & Little, M., 2006, In: Journal of the American Society of Nephrology. 17, 7, p. 1896 - 1912 17 p.

**Modulation and redistribution of proteinase inhibitor 8 (Serpinb8) during kidney regeneration**

Gillard, A., Scarff, K. L., Loveland, K. A. L., Ricardo, S. D. & Bird, P. I., 2006, In: American Journal of Nephrology. 26, 1, p. 34 - 42 9 p.

**A stereological study of the renal glomerular vasculature in the db/db mouse model of diabetic nephropathy**

Guo, M., Ricardo, S. D., Deane, J. A., Shi, M., Cullen-McEwen, L. A. & Bertram, J. F., 2005, In: Journal of Anatomy. 207, 6, p. 813 - 821 9 p.

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