Published papers

- Peart, D., Kirk, R. J., Madden, L. A., & Vince, R. V. (2016). Implications of a pre-exercise alkalosis-mediated attenuation of HSP72 on its response to a subsequent bout of exercise. Amino Acids. 48(2), 499-504. 3.196.
- Northgraves, M. J., Hayes, S. C., Marshall, P., Madden, L. A., & Vince, R. V. (2016). The test-retest reliability of four functional mobility tests in apparently healthy adults. Isokinetics and Exercise Science. 24(3), 171-179. 0.357.
- Wilcox, C. R. J., Osgood, C. T., Forbes, H. S. F., Vince, R. V. (2015). Investigating strength and range of motion of the hip complex in ice hockey athletes. Journal of Sport Rehabilitation. 24(3), 300-306. 1.612
- Kahal, H., Aburima, A., Ungvari, T., Rigby, A. S., Coady, A., Vince, R. V., Ajjan, R. A., Kilpatrick, E. S., Naseem, K. M., & Atkin, S. L. (2015). The effects of treatment with liraglutide on atherothrombotic risk in obese young women with polycystic ovary syndrome and controls. BMC Endocrine Disorders. 15(14), doi: 10.1186/s12902-015-0005-6. 1.739.
- De Marco, M., Clough, P. J., Dyer, C. E., Vince, R. V., Waby, J. S., Midgley, A. W., & Venneri, A. (2015). Transient hypofrontality in untrained women during acute exercise: cortisol, ApoE genotype and an interpretation of the prefrontal benefits triggered by exercise. Behavior Genetics. 45(1), 106-116. 3.268.
- Dawson, A. J., Sathyapalan, T., Smithson, J., Vince, R. V., Coady, A., Ajjan, R., Kilpatrick, E. S., & Atkin, S. L. (2014). A comparison of cardiovascular risk indices in patients with polycystic ovary syndrome with and without co-existing non-alcoholic fatty liver disease. Clinical Endocrinology. 80(6), 843-849. 3.487.
- Kirk, R. J., Peart, D., Madden, L. A., & Vince, R. V. (2014). Effect of strenuous physical exercise on the endothelial microparticle release in healthy individuals. European Journal of Sports Science. 14(4), 345-352. 1.785.
- Northgraves, M. J., Peart, D. J., Jordan, C., & Vince, R. V. (2014). Effect of lactate supplementation and sodium bicarbonate on 40 km cycling time trial performance. Journal of Strength and Conditioning Research. 28(1), 273-280. 1.978.
- Kahal, H., Aburima, A., Ungvari, T., Rigby, A. S., Dawson, A., Coady, A., Vince, R. V., Ajjan, R. A., Kilpatrick, E. S., Naseem, K. M., & Atkin, S. L. (2013). Polycystic ovary syndrome has no independent effect on vascular, inflammatory or thrombotic markers when matched for obesity. Clinical Endocrinology. 79(2), 252-258. 3.487.
- Brown, L. J., Midgley, A. W., Vince, R. V., Madden, L. A., & McNaughton, L. R. (2013). High versus low glycemic index 3-h recovery diets following glycogen-depleting exercise has no effect on subsequent 5-km cycling time trial performance. Journal of Science and Medicine in Sport. 16(5), 450-454. 3.756.
- Peart, D., Kirk, R. J., Madden, L. A., Siegler, C. J., & Vince, R. V. (2013). The influence of exogenous carbohydrate provision and pre-exercise alkalosis on the heat shock protein response to prolonged interval cycling. Amino Acids. 44(3), 903-910.
- Peart, D., Kirk, R. J., Hillman, A. R., Madden, L. A., Siegler, J. C., & Vince, R. V. (2013). The physiological stress response to high-intensity sprint exercise following the ingestion of sodium bicarbonate. European Journal of Applied Physiology, 113(1), 127-134.
Madden, L. A., Hayman, Y. A., Underwood, C., Vince, R. V., Greenman, J., Ali, S., & Allsup, D. (2012). Increased inducible heat shock protein 72 expression associated with PBMC isolated from patients with haematological tumours. *The Scandinavian Journal of Clinical & Laboratory Investigation, 72* (5), 380-386.

Siegler, J., Howell, K. G., Vince, R. V., Bray, J., Towlson, C., Peart, D. J., Mellor, D. D., & Atkin, S. L. (2012). Aspartame in conjunction with carbohydrate reduces insulin levels during endurance exercise. *Journal of the International Society of Sports Nutrition, 9*(1), 36.

Peart, D., Siegler, J., & Vince, R. V. (2012). Practical Recommendations for Coaches and Athletes: A Meta-Analysis of Sodium Bicarbonate for Athletic Performance. *The Journal of Strength and Conditioning Research, 26*(7), 1975-83.

Hillman, A. R., Vince, R. V., Taylor, L., McNaughton, L., Mitchell, N & Siegler, J. (2011). Exercise-induced dehydration with and without environmental heat stress results in increased oxidative stress. *Applied Physiology, Nutrition and Metabolism, 36*(5), 698-706.

Peart, D., McNaughton, L. R., Midgley, A. W., Taylor, L., Towlson, C., Madden, L. A., Vince, R. V. (2011). Pre-Exercise alkalinosis attenuates the heat shock protein 72 response to a single bout of anaerobic exercise. *Journal of Science and Medicine in Sport, 14*(5), 435-440.

Moore, L. J., Midgley, A., Vince, R., & McNaughton, L. R. (2011). The effects of low and high glycemic index 24-h recovery diets on cycling time trial performance. *Journal of Sports Medicine and Physical Fitness, 51*(2), 233-40.

Vince, R. V., Madden, L. A., Alonso, C., Savoie, H., Boyle, R. W., Todman, M., Paget, T & Greenman, J. (2011). Identification of methicillin-resistant *Staphylococcus aureus*-specific peptides for targeted photoantimicrobial chemotherapy. *Photochemical & Photobiological Sciences, 10*(4), 515-522.

Vince, R. V., Midgley A. W, Laden, G & Madden, L. A. (2011). The effect of hyperbaric oxygen preconditioning on heat shock protein 72 expression following in vitro stress in human monocytes. *Cell Stress & Chaperones, 16*(3), 339-343.

Taylor, L., Midgley, A. W., Chrismas, B., Hilman, A. R., Madden, L. A., Vince, R. V., & McNaughton, L. R. (2011). Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects. *Amino Acids, 40*(2), 393-401.

Madden, L. A., Vince, R. V., & Laden, G. (2011). The effect of acute hyperoxia in vivo on NF kappa B expression in human PBMC. *Cell Biochemistry and Function, 29*(1), 71-73.

Chrismas, B. C. R., Midgley, A. W., Taylor, L., Vince, R. V., Laden, G., & Madden, L. A. (2010). Acute antioxidant pre-treatment attenuates endothelial microparticle release after decompression. *Diving and Hyperbaric Medicine, 40*(4), 184-188.

Taylor, L., Midgley, A. W., Chrismas, B., Madden, L. A., Vince, R. V., & McNaughton, L. R. (2010). The effect of acute hypoxia on heat shock protein 72 expression and oxidative stress in vivo. *European Journal of Applied Physiology, 109*(5), 849-855.

Vince, R. V., Oliver, K., Midgley, A. W., McNaughton, L. R., & Madden, L. A. (2010). In vitro heat shock of human monocytes results in a proportional increase of inducible Hsp70 expression according to the basal content. *Amino Acids, 38*(5), 1423-1428.

Madden, L. A., Chrismas, B. C., Mellor, D., Vince, R. V., Midgley, A. W., McNaughton, L. R., Atkin, S. L., & Laden, G. (2010). Endothelial Function and Stress Response After
Simulated Dives to 18 msw Breathing Air or Oxygen. *Aviation Space and Environmental Medicine, 81*(1), 41-45.

- Taylor, L., Midgley, A. W., Chrismas, B., Madden, L. A., **Vince, R. V.**, & McNaughton, L. R. (2010). Daily quadratic trend in basal monocyte expressed HSP72 in healthy human subjects. *Amino Acids, 38*(5), 1483-1488.

- **Vince, R. V.**, Chrismas, B., Midgley, A. W., McNaughton, L. R., & Madden, L. A. (2009). Hypoxia mediated release of endothelial microparticles and increased association of S100A12 with circulating neutrophils. *Oxidative Medicine and Cellular Longevity, 2*(1), 2-6.

- **Vince, R. V.**, McNaughton, L. R., Taylor, L., Midgley, A. W., Laden, G., & Madden, L. A. (2009). Release of VCAM-1 associated endothelial microparticles following simulated SCUBA dives. *European Journal of Applied Physiology, 105*(4), 507-513.

- Microparticle-associated vascular adhesion molecule-I and tissue factor follow a circadian rhythm in healthy human subjects. (2008). *Thrombosis and Haemostasis, 99*(5), 909-915.