

Publications: Dr Simon M Sostaric

Monica Kelly, Paul Gastin, Daniel Dwyer, **Simon Sostaric**, and Rodney J. Snow.

“Short Duration Heat Acclimation in Australian Football Players”.

Journal of Sports Science and Medicine (2016) 15, 118 – 125.

Michael J. McKenna, Aaron C. Petersen, Xiaofei Gong, **Simon Sostaric**, Craig Goodman, Andrew Garnham, Juan Aw, Collene Steward, Kate T. Murphy, Kate Carey, Henry Krum, David Cameron-Smith and Rodney J. Snow.

“Digoxin upregulates skeletal muscle Na⁺,K⁺-ATPase but does not alter muscle function in healthy humans”. (*submitted to the Journal of Physiology, 2014*).

Simon Sostaric; Alan Pearce; Bradley Gatt; Michael J McKenna; Christos Stathis and Craig Goodman
“Effects of mild electro-stimulation treatment on healthy humans following exercise induced muscle damage”.

American College of Sports Medicine: Indianapolis, Indiana, USA. May 2008. Supp: Vol 40, 5, p s76, Medicine Science Sport Exercise, 2008.

S. Sostaric, C Goodman, X Gong, J Aw, J Leppik, CH Steward, SF Fraser, H Krum, RJ Snow, MJ Brown & MJ McKenna.

“Effects of digoxin therapy on K⁺ release and fatigue during small muscle mass exercise in healthy humans”.

Sports Medicine Australia: Hamilton Island, Queensland, Australia. Oct 2008. Supp: Vol 11, 6, p27, Journal of Science, Medicine & Sport, December 2008.

Michael J McKenna, Ivan Medved, Craig Goodman, Malcolm J Brown, Andrew R Bjorksten, Kate T Murphy, Aaron C Petersen, **Simon Sostaric** and Xiaofei Gong.

“N-acetylcysteine attenuates the decline in muscle Na⁺,K⁺- pump activity and delays fatigue during prolonged exercise”

Journal of Physiology, 2006, 576.1; 279-288.

Simon M. Sostaric, Sandford L. Skinner, Malcolm J. Brown, Termboon Sangkabutra, Ivan Medved, Tanya Medley, Steve E. Selig, Ian Fairweather, Danny Rutar and Michael J. McKenna.

“Alkalosis increases muscle K⁺ release, but lowers plasma [K⁺] and delays fatigue during dynamic forearm exercise”

Journal of Physiology, 2006, 570: 185-205

Medved I, MJ Brown, AR Bjorksten, KT Murphy, AC Petersen, **S Sostaric**, X Gong and MJ McKenna.

“N-acetylcysteine enhances muscle cysteine and glutathione availability and attenuates fatigue during prolonged exercise in endurance-trained individuals”.

Journal of Applied Physiology, 2004 Oct, 97(4): 1477-85

Medved I, MJ Brown, A Bjorksten, JA Leppik, **S Sostaric** and MJ McKenna.

“N-acetylcysteine infusion alters blood redox status but not performance during intense, intermittent exercise in humans”.

Journal of Applied Physiology, 2003 Apr, 94 (4):1572-82

Steve F Fraser, Jia L Li, Michael F Carey, Xiao N Wang, Termboon Sangkabutra, **Simon Sostaric**, Steve E Selig, Keld Kjeldsen and Michael J McKenna

“Fatigue depresses maximal *in-vitro* skeletal muscle Na⁺,K⁺-ATPase activity in untrained and trained individuals”

Journal of Applied Physiology, 2002 Nov 93 (5): 1650-9

Termboon Sangkabutra, David P Crankshaw, Claudia Schneider, Steve F Fraser, **Simon Sostaric**, Kim Mason, Caroline M Burge, Sandford L Skinner, Lawrence P McMahon and Michael J McKenna

“Impaired K⁺ Regulation Contributes to Exercise Limitation In End-stage Renal Failure”

Kidney International, 2003 Jan, 63 (1): 283-90

McMahon L, McKenna MJ, Sangkabutra T, Mason K, Fraser SF, **Sostaric S**, Skinner SL, Burge C, Murphy B, and Crankshaw D.

“Physical performance and associated electrolyte changes after haemoglobin normalisation: A comparative study in haemodialysis patients.”

Nephrology Dialysis Transplantation, 1999, (14) 1182-1187.

