PERSPECTIVES

Femininity and sarcolemmal K\textsubscript{ATP} channels: a matter of the heart and the heart of the matter (p 5509-5510)
Aleksandar Jovanovi\'c
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.183004

When cold becomes hot (p 5511-5511)
Penelope A. McNulty, David Burke
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.183483

Blood pressure regulation by C1 neurons in the rostral ventrolateral medulla: new light on the subject (p 5513-5513)
Roger A. L. Dampney
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.183525

CLINICAL PERSPECTIVES

Anti-inflammation – just another word for anti-ageing? (p 5515-5515)
Bente K. Pedersen
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.183152

The fatigued spinal cord (p 5517-5518)
J. C. Rothwell
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.183475

CLASSICAL PERSPECTIVES

David Marr's theory of cerebellar learning: 40 years later (p 5519-5520)
Piergiorgio Strata
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.180307

JOURNAL CLUB

Developmental programming of the kidney: does sex matter? (p 5521-5522)
Anne Gingery, Emma L. B. Sördner, Alaina Heltemes, Adam Nelson, Nadejda Bozadjieva
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.179721

Examining the neglected side of calcium regulation in taste cells (p 5523-5524)
Robin Dando
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.181842

SYMPOSIUM SECTION REVIEWS: PHYSIOLOGICAL REGULATION LINKED WITH PHYSICAL ACTIVITY AND HEALTH

Physiological regulation linked with physical activity and health (p 5525-5526)
M.J. Joyner, H. Nose
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.182121

Lack of adequate appreciation of physical exercise's complexities can pre-empt appropriate design and interpretation in scientific discovery (p 5527-5539)
F. W. Booth, M. J. Laye
Published Online: Nov 30 2009 6:31AM
Habitual exercise and vascular ageing (p 5541-5549)
Douglas R. Seals, Ashley E. Walker, Gary L. Pierce, Lisa A. Lesniewski
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.178822

Exercise protects the cardiovascular system: effects beyond traditional risk factors (p 5551-5558)
Michael J. Joyner, Daniel J. Green
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.179432

The diseasome of physical inactivity – and the role of myokines in muscle–fat cross talk (p 5559-5568)
Bente K. Pedersen
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.179515

Beyond epidemiology: field studies and the physiology laboratory as the whole world (p 5569-5575)
Hiroshi Nose, Mayuko Morikawa, Toshiaki Yamazaki, Ken-ichi Nemoto, Kazunobu Okazaki, Shizue Masuki, Yoshi-ichiro Kamijo, Hirokazu Gen-no
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.179499

Genetic basis of inter-individual variability in the effects of exercise on the alleviation of lifestyle-related diseases (p 5577-5584)
Masayuki Mori, Keiichi Higuchi, Akhiro Sakurai, Yasuharu Tabara, Tetsuro Miki, Hiroshi Nose
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.179283

Protein and carbohydrate supplementation increases aerobic and thermoregulatory capacities (p 5585-5590)
Kazunobu Okazaki, Masaki Goto, Hiroshi Nose
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.180562

Cell–cell and intracellular lactate shuttles (p 5591-5600)
George A. Brooks
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.178350

NEUROSCIENCE
The response to paired motor cortical stimuli is abolished at a spinal level during human muscle fatigue (p 5601-5612)
Chris J. McNeil, Peter G. Martin, Simon C. Gandevia, Janet L. Taylor
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.180968

Photostimulation of channelrhodopsin-2 expressing ventrolateral medullary neurons increases sympathetic nerve activity and blood pressure in rats (p 5613-5631)
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.177535

Human cutaneous C fibres activated by cooling, heating and menthol (p 5633-5652)
M. Campero, T. K. Baumann, H. Bostock, J. L. Ochoa
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.176040
LETTERS
Role of SNA in the pathophysiology of cardiovascular collapse during syncope: muscle vs. brain (p 5795-5796)
P. N. Ainslie, C. K. Willie, Y. C. Tzeng
Published Online: Nov 30 2009 8:31AM
DOI: 10.1113/jphysiol.2009.182667

Corrigendum
Corrigendum (p 5797-5797)
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.182766

Corrigendum (p 5798-5798)
Published Online: Nov 30 2009 6:31AM
DOI: 10.1113/jphysiol.2009.182634