PC01
Acute vs chronic administration of leptin in obese rats: effects on blood pressure, sympathetic activity and glucose homeostasis

PC02
Comparison of high frequency monopolar and bipolar direct cortical stimulation protocols for motor mapping during neurosurgeries.
U. Gupta, A. Singh, M. Bir, R. Netam, S. Patel, N. Mehta, A. Jaryal, Physiology, AIIMS, New Delhi, Delhi, INDIA|M. Singh, V. Tandon, Neurosurgery, AIIMS, New Delhi, Delhi, INDIA|G. Rath, Neuroanaesthesiology and Critical Care, AIIMS, New Delhi, Delhi, INDIA

PC03
The role of endogenous oxytocin on the anti-stress effect of exercise
S. Arabaci Tamer, B. Yegen, Faculty of Medicine, Department of Physiology, Marmara University, Istanbul, TURKEY|S. Ucem, M. Guner, B. Buke, A. Karakucuk, N. Yigit, Faculty of Medicine, Marmara University, Istanbul, TURKEY|O. Cevik, Faculty of Medicine, Department of Biochemistry, Adnan Menderes University, Aydin, TURKEY|B. Coskunlu, F. Ercan, S. SIRVANCI, Faculty of Medicine, Department of Histology and Embryology, Marmara University, Istanbul, TURKEY

PC04
Lifelong endurance training modifies sympathetic baroreflex control of neural vasoconstrictor tone at rest
D.J. Wakeham, R.N. Lord, J.S. Tablot, B. Curry, T. Dawkins, C.J. Pugh, Cardiff School of Sport and Health Sciences, Cardiff Metropolitan University, Cardiff, UNITED KINGDOM|D.J. Wakeham, Institute of Research Excellence in Sport and Exercise, Cardiff Metropolitan University, Cardiff, UNITED KINGDOM|L.L. Simpson, J. Moore, School of Sport Health and Exercise Sciences, Bangor University, Bangor, UNITED KINGDOM|R. Shave, Centre for Heart, Lung, and Vascular Health, School of Health and Exercise Sciences, University of British Columbia Okanagan, Kelowna, British Columbia, CANADA

PC05
Integration of student-led lectures as an innovative interactivity in teaching
D. Khosravinia, L. Shang, Faculty of Life Sciences, University of Bradford, Bradford, UNITED KINGDOM

PC06
GPR30 mediated cardioprotection of estrogen against stress through rapid signaling pathway
H. Zhang, L. Fu, H. Sun, Physiology Department, Xuzhou Medical University, Xuzhou, Jiangsu, CHINA|H. Zhang, Institute of Cardiovascular Disease Research, Xuzhou Medical University, Xuzhou, Jiangsu, CHINA

PC07
Anti-inflammatory factor Del-1 protects from angiotensin II-induced hypertension and cardiovascular remodelling
I. Kopaliani, T. Failer, A. Deussen, Institute of Physiology, Technische Universität Dresden, Dresden, GERMANY|A. Neuwirth, T. Chavakis, Universitätsklinik Carl Gustav Carus Dresden, Technische
PC08
pH-dependent regulation of pancreatic stellate cell activation and proliferation
Z.D. Pethö, J. Froese, B. Fels, A. Schwab, Institute of Physiology II, University of Münster, Münster, GERMANY

PC09
Sodium-induced conformational changes in a glutamate transporter homologue
C. Alleva, C. Fahlke, J. Machtens, Institute of Complex Systems, Zelluläre Biophysik (ICS-4), Forschungszentrum Jülich, Aachen, NRW, GERMANY

PC10
The Impact of Intentional Distortion of Image Quality on Left Ventricular Deformation Indices by Three-dimensional Speckle-Tracking Echocardiography
L.K. Al Saikhan, C. Park, A. Hughes, Institute of Cardiovascular Science, School of Life and Medical Sciences, University College London, London, London, UNITED KINGDOM|L.K. Al Saikhan, Department of Cardiac Technology, College of Applied Medical Sciences, Imam Abdulrahman Bin Faisal University, Dammam, SAUDI ARABIA

PC11
Assessing Empathy in Valproic Acid Induced Autism Model of Rats
S. Tunçak, B. Goren, Medicine-Physiology, Uludag University, Bursa, TURKEY|S. Tunçak, Psychology, Uskudar University, Istanbul, TURKEY|P. Oz, Molecular Biology and Genetics, Uskudar University, Istanbul, TURKEY|P. Oz, Neuropsychopharmacology Application and Research Center, Uskudar University, Istanbul, TURKEY

PC12
Pruritogen-induced scratching behaviour in mice is a heritable trait
H. Kühn, A. Kremer, Medical Department 1, University Clinics Erlangen, Germany, Erlangen, GERMANY|C. König, K. Zimmermann, Anaesthesia, University Clinics Erlangen, Germany, Erlangen, Bavaria, GERMANY

PC13
The role of chloride ions in contraction of rat saphenous artery changes during postnatal development partly due to influence of sympathetic innervation
D. Kostyunina, A. Shvetsova, D. Gaynullina, O.S. Tarasova, Human and animal physiology, Lomonosov Moscow State University, Moscow, RUSSIAN FEDERATION

PC14
Role of neutral amino acid transporter LAT4 in mouse epithelia
A. RAJENDRAN, N. Poncet, L. Oparija, F. Verrey, Institute of Physiology, University of Zurich, Zurich, SWITZERLAND

PC15
Neuropathic pain associated with sodium channel Nav1.7 variant R1150W
C. Rösseler, P. Hautvast, A. Lampert, Institute of Physiology, RWTH Aachen University, Aachen, GERMANY|S. Sontag, M. Zenke, Institute for Biomedical Engineering, Cell Biology, RWTH Aachen University, Aachen, GERMANY|S. Sontag, M. Zenke, Helmholtz Institute for Biomedical Engineering, RWTH Aachen University, Aachen, GERMANY|R. Goetzke, W. Wagner, Institute for Biomedical
PC16
Effect of cigarette smoking on the nerve conduction study among young adults
R.M. Musa, L. Kaddam, Physiology, AL-Neelain University, Khartoum, Khartoum, Sudan
M. Abdelrahman, AL-Neelain University, Omdurman, Sudan
H. Suekit, Physiology, International University of Africa, Khartoum, Sudan

PC17
Effects of crocins on intacerebroventricular streptozotocin induced neuroinflammation and peripheral immune changes in experimental rats of Alzheimer’s disease
R. Ghosh, Department of Physiology, University of Calcutta, Kolkata, India

PC18
Different Intrinsic Heart Rate Resetting Responses and the Associated Changes in Cardiac mRNA Expression with Warm Acclimation in Rainbow Trout
R.L. Sutcliffe, A.P. Farrell, Zoology, University of British Columbia, Vancouver, British Columbia, Canada
S. Li, K.M. Miller, Pacific Biological Station Fisheries and Oceans, Nanaimo, British Columbia, Canada

PC19
Cholesterol metabolism and cancers: Toward new perspectives in breast cancer treatment
R. Bartölke, S. Silvente-Poirot, M. Poirot, Cancer Research Center of Toulouse, UMR1037-INSERM-University of Toulouse, Toulouse, France

PC20
Body mass and Body shape Versus Two Indices of Pulmonary Function
R. Velusamy, S. Andrew R, R. W, Chettinad hospital and Research Institute, Chennai, Tamil Nadu, India

PC21
Variations in plasma electrolytes and thirst perception during the menstrual cycle
E. Amabebe, Department of Oncology and Metabolism, University of Sheffield, Sheffield, United Kingdom
J.O. Nzoputam, E. Udochukwu, Department of Physiology, University of Benin, Benin, Edo, Nigeria

PC22
Innovative Aspects of Scientific and Pedagogical Activity of I.P. Pavlov (according to “Pavlov’s Wednesdays”)
L. Chugunow, Department of Cell Biology and Physiology, University of Salzburg, Bonn, Germany

PC23
Excitatory and inhibitory neurotransmission is imbalanced in an animal disease model of episodic ataxia type 6
Y. Kolobkova, C. Fahlke, P. Kovermann, ICS-4, Forschungszentrum Jülich, Jülich, Germany
J. Cremer, S. Buller, INM-1, Forschungszentrum Jülich, Jülich, Germany

PC24
Knockout of caveolin-1 delays calcium signalling in human alveolar type I epithelial cells
K.A. Diem, G. Fois, P. Dietl, M. Frick, Institute of General Physiology, Ulm University, Ulm, GERMANY

PC25
Metal oxide nanoparticles: size role in membrane interactions
E. Bossi, R. Gornati, G. Bernardini, The Protein Factory Research Center, Politecnico of Milano and University of Insubria, Milan, ITALY| N. Faria, J. Powell, Department of Veterinary Medicine, University of Cambridge, Cambridge, UNITED KINGDOM| D. Zanella, E. Bossi, R. Gornati, G. Bernardini, Department of Biotechnology and Life Sciences, University of Insubria, Varese, ITALY

PC26
The role of beta arrestins and PDEs in smooth muscle tone regulation of vessels and airways
L.F. Lebender, B.K. Fleischmann, D. Wenzel, Institute of Physiology 1, University of Bonn, Bonn, NRW, GERMANY| L.F. Lebender, University of Bonn, Research Training Group 1873, Bonn, GERMANY

PC27
Effects of pharmacological Gq protein inhibition on airway remodeling in chronic asthma
J.M. Dietrich, A. Simon, M. Matthey, B.K. Fleischmann, D. Wenzel, Physiology 1, University of Bonn, Bonn, GERMANY| G. König, Pharmaceutical Biology, University of Bonn, Bonn, GERMANY

PC28
Kainate receptors and neuronal network synchrony in hippocampus
T. Kaarela, W. Chang, T. Kukko-Lukjanov, T. Taira, Veterinary Biosciences, University of Helsinki, Helsinki, FINLAND| S. Lauri, Faculty of Biological and Environmental Sciences, University of Helsinki, Helsinki, FINLAND| T. Kaarela, S. Lauri, T. Taira, Neuroscience center, University of Helsinki, Helsinki, FINLAND

PC29
Mechanical stretch induces phosphorylation of keratin intermediate filaments 8 and 18
A.M. Lutz, T. Felder, P. Dietl, E. Felder, Institute of General Physiology, Ulm University, Ulm, Baden-Württemberg, GERMANY

PC30
Synaptic expression of interleukin-6 receptors and dystrophin may indicate a role in cognitive deficits associated with loss of dystrophin.
K.A. Stephenson, C. Shanahan, M.G. Rae, D. O’Malley, Physiology, University College Cork, Cork, IRELAND

PC31
The Gq protein inhibitor FR900359 induces strong vasodilation in pulmonary arteries
A. Seidinger, B.K. Fleischmann, D. Wenzel, Physiology I, University of Bonn, Bonn, GERMANY| G. König, E. Kostenis, Pharmaceutical Biology, University of Bonn, Bonn, GERMANY

PC32
Apocynin reduces apnoea index in a mouse model of chronic intermittent hypoxia in a non-NADPH oxidase 2 dependent manner
S.E. Drummond, D.P. Burns, V. Healy, K.D. O’Halloran, Department of Physiology, University College Cork, Cork, IRELAND

PC33
Low-pressure baroreflex control of renal sympathetic nerve activity in rats exposed to chronic intermittent hypoxia: Effect of TRPV1 channel blockade.
S. AlMarabeh, E.F. Lucking, K.D. O’Halloran, M. Abdulla, Department of Physiology, University College Cork, Cork, IRELAND

Antiepileptic activity of ellagic acid in pentylentetrazole-kindled rat and role in motor function
P.P. Mshelia, Human Physiology, Abubakar Tafawa Balewa University, Bauchi, Bauchi, NIGERIA

TRPM4 knockdown modulates the sodium current in mouse cardiac myocytes.
L. OZHA THIL, J. Rougier, E. Maria, H. Abriel, INSTITUTE OF BIOCHEMISTRY AND MOLECULAR MEDICINE, UNIVERSITY OF BERN, Bern, Bern Canton, SWITZERLAND

The effect of omega-3 supplementation on exercise-induced muscle damage

Comparing the Effects of Anaesthesia on Cardiac Function in ‘Awake’ and ‘Slept’ Mice by Echocardiography
X. Han, D.J. Stuckey, M.F. Lythgoe, UCL Centre for Advanced Biomedical Imaging, University College London (UCL), London, UNITED KINGDOM

Role of adenosine kinase in gestational diabetes mellitus-associated fetoplacental vascular alterations.
L. Silva, L. Sobrevia, Pontificia Universidad Católica de Chile, Santiago, Santiago, CHILE|L. Silva, T. Plösch, M. Faas, University Medical Centre Groningen (UMCG), University of Groningen, Groningen, NETHERLANDS|L. Sobrevia, Universidad de Sevilla, Seville, SPAIN|L. Sobrevia, UQ Centre for Clinical Research (UQCCR), University of Queensland, Brisbane, Queensland, AUSTRALIA

Molecular Basis of TREK K2P Channel Gating
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TRESK K2P Channels Possess a Uniquely Versatile Drug Binding Site
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Polypharmacology of K+ channels gated at the selectivity filter
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Beneficial effects of carotid sinus nerve resection on white adipose tissue metabolism
Bernadete S. F. Melo, Claudia S. Prego, Joana F. Sacramento, Silvia V. Conde CEDOC, NOVA Medical School, Lisboa, Portugal

The role of the actin-sequestering protein, thymosin-β4, on renal podocyte function
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