

Poster Sessions

Category	Poster No.	Poster Discussion
P01: Locomotion/Muscle	P01-001 ~ P01-055	Day 4, 10 th May 15:50 – 16:40 Room 1
P02-I: Heart and Circulation P02-II: Heart and Circulation	P02-001 ~ P02-070 P02-071 ~ P02-136	Day 2, 8 th May 15:50 – 17:50 Room 6
P03: Respiration	P03-001 ~ P03-031	Day 4, 10 th May 15:50 – 16:40 Room 2
P04: Endocrine, Reproduction and Development	P04-001 ~ P04-061	Day 4, 10 th May 15:50 – 16:40 Room 3
P05-I: Neurobiology P05-II: Neurobiology	P05-001 ~ P05-040 P05-041 ~ P05-080	Day 2, 8 th May 15:50 – 17:50 Room 7
P05-III: Neurobiology P05-IV: Neurobiology	P05-081 ~ P05-120 P05-121 ~ P05-176	Day 3, 9 th May 15:50 – 17:50 Room 7
P06: Secretion and Absorption (GI, Kidney)	P06-001 ~ P06-032	Day 4, 10 th May 15:50 – 16:40 Room 4
P07: Molecular and Cellular	P07-001 ~ P07-065	Day 4, 10 th May 15:50 – 16:40 Room 5
P08: Comparative: Evolution, Adaptation and Environment P09: Genomics and Biodiversity P10: Physiome/Mathematical modeling	P08-001 ~ P08-013 P09-001 ~ P09-009 P10-001 ~ P10-009	Day 4, 10 th May 15:50 – 16:40 Room 6
P11: Education	P11-001 ~ P11-020	Day 4, 10 th May 15:50 – 16:40 Room 7

Poster No. List

P01: Locomotion/Muscle

Poster No.	Presenting Author	Title
P01-001	Daisaku Kamei	Differential change in the prefrontal oxygenation during finger tapping movements of different complexities: associations with neuropsychological test performance
P01-002	Yu Fu	Aerobic exercise attenuates diabetes-induced myocardial damage by inhibiting ROS/TXNIP/NLRP3 inflammatory pathway
P01-003	Xiaoyu Ling	The effect of endurance training combined with blood flow restriction on the aerobic capacity and fatigue level of healthy adults: a systematic review and meta-analysis
P01-004	Yaru Wei	Study on aerobic ability of speed skating college athletes at different sports levels
P01-005	Hongkun Wang	Application of suspension training in core stability training of figure skaters
P01-006	Yaru Wei	Study on the characteristics of body composition and aerobic capacity of male ice hockey college athletes
P01-007	Qi Wei	Study on the relationship between body composition, muscle strength and functional indexes of young male gymnasts
P01-008	Weiqing Wang	Effects of long-term endurance exercise and high salt diet on the exercise capacity and life span of drosophila
P01-009	Jun Zhang	Effects of Baduanjin on cervical muscle structure, surface electromyography and clinical symptoms in elderly patients with chronic neck pain
P01-010	Lili Sun	Effects of downhill running on antioxidant capacity and inflammation of heart and liver in rats
P01-011	Hao Lin	Niacin supplementation attenuates capillary regression and oxidative phosphorylation enzyme depletion in unloaded rat skeletal muscle
P01-012	Jihao Xing	Protective effects of chlorogenic acid on capillary regression caused by disuse muscle atrophy
P01-013	Shunli Xu	Effect of anterolateral approach with humeral subcondylar anatomical locking plate in the treatment of humeral extraarticular fractures
P01-014	Amiri Matsumoto	The effects of different muscle contraction modes on the effectiveness of attentional focus: a TMS study
P01-015	Bingqian Guo	The effect of different load intensity on energy expenditure in squat training
P01-016	Shuting Yan	Effects of remote ischemic preconditioning on anaerobic capacity in racquet sports players
P01-017	Meng Zhang	OGT protects skeletal muscle from damage through SIRT1 O-GlcNAcylation during cold stress
P01-018	Akari Ogawa	Modulation of interhemispheric inhibition between the dorsolateral prefrontal cortex and primary motor cortex prior to a unimanual hand grip task in humans
P01-019	Ren Sasaya	Influence of movement-related pain on the corticospinal excitability during motor imagery
P01-020	Yunhe Zhang	Standing postural control during a upper limb touching task in a mixed reality condition: analysis of center of pressure and lower limb muscle activities
P01-021	Nan Liang	Differential change in interhemispheric inhibition between the dorsolateral

		prefrontal cortex and primary motor cortex at the preparation time of a unimanual hand grip task in humans
P01-022	Jixiong Li	Effect of slow centrifugation combined with fast centripetal resistance training on lower limb muscle hypertrophy in young men
P01-023	Souhei Sakata	Muscle contraction without the action potential in zebrafish larva
P01-024	Vsevolod Lyakhovetskii	Split-belts locomotion of decerebrate cat: influence of speed onto the stepping in different directions
P01-025	Binyu Yao	Interventional effects of 8-week resistance and endurance training on muscle atrophy in SAMP8 mice
P01-026	Xiaotian Guan	Resistance training regulates prostaglandin E2-stimulated PI3K-AKT signaling reduced sarcopenia in SAMP8 mice
P01-027	Harumi Hotta	The somato-sympathetic reflexes associated with contractions of hindlimb muscles help to maintain their contractile force
P01-028	Yimin He	Study on the mechanism of IL-15 in exercise intervention of AMPK/AKT/AS160/GLUT-4 signaling pathway in skeletal muscle of mouse
P01-029	Songlin Jin	Effects of Tuina on muscle contractility and $\alpha7\beta1$ integrin of gastrocnemius muscle in rats with long-term heavy load exercise
P01-030	Weiqing Wang	Exercise is medicine: application of high-intensity interval training in diabetes prevention and control
P01-031	Zheng Miao	Research progress of microRNA regulating skeletal muscle mass by regulating IGF-1 under exercise intervention
P01-032	Nan Li	Aerobic exercise prevents chronic inflammation and insulin resistance in high-fat diet mice
P01-033	Zhanfei Zheng	Different roles of blood-flow restriction and low intensity resistance in inducing PAP effect
P01-034	Wenlang Yu	The effect of exercise intervention on human blood uric acid level: a meta-analysis
P01-035	Xiaomei Wu	Flywheel eccentric overload training intervention study for the treatment of chronic tendinopathy in athletes: a review
P01-036	Xiaomei Wu	Effects of eccentric overload training-induced post-activation potentiation on exercise performance
P01-037	Chen Yu	Analysis of the training and monitoring methods of competitive aerobics athletes
P01-038	Ke Liu	Effects of Tai chi on cardiopulmonary function, gait spatio-temporal parameters and cognitive function in patients with mild cognitive impairment
P01-039	Yuchun Wang	The effects of one-time stretching on muscle strength and velocity performance: a systematic review
P01-040	Ruolin Zhang	Tryptophan metabolism mediated exercise antidepressant mechanism from microbial-gut-brain axis perspective
P01-041	Kun Hu	Effects of transcranial direct current stimulation on upper limb muscle strength and endurance in healthy individuals: a systematic review and meta-analysis
P01-042	Yanming Gan	Effects of aerobic exercise on biomechanical properties of skeletal muscle
P01-043	Yuhang Zhang	Changes of H-reflex and M-wave before and after fatigue of triceps calf with maximal isokinetic contraction
P01-044	Shengya Wang	Effects of exercise intervention on inflammatory factors in patients with obesity: a meta-analysis of randomized controlled trials
P01-045	Ziyi Wang	Review of studies on the improvement of cognitive ability of autistic children by aerobic exercise based on BDNF expression in the brain

P01-046	Guangwei Chai	Exosome-mediated mechanism of exercise adaptation in aging skeletal muscle
P01-047	Haiying Wang	Effects of high-intensity interval training on bone health and muscle mass in obese young women
P01-048	Margarida Florindo	Perfusion and movement
P01-049	Chengzhu Zhang	Effects of aerobic exercise on breast cancer survivors: a systematic review
P01-050	Shengya Wang	Effect of exercise on vascular endothelial function in patients with hypertension: a meta-analysis of randomized controlled trials
P01-051	Chenxi Xin	The changing characteristics of HRV in different levels of TaiJiQuan in young and old people
P01-052	Hiutung Tin	The effects of a single session of high intensity interval exercise in hypoxia on intramuscular triglycerides metabolism gene expression in humans
P01-053	Yuqi Zhao	Changes in glucose utilization capacity of the quadriceps muscle in response to a four-week intermittent hypoxia intervention in mice with type 2 diabetes
P01-054	Chenxi Xin	The influence of 16-form Taijiquan exercise on the cognitive function of the elderly
P01-055	Xinzhong Huang	Resveratrol ameliorates muscle atrophy in chronic kidney disease via the axis of SIRT1/FoxO1

P02-I: Heart and Circulation

Poster No.	Presenting Author	Title
P02-001	Yue Cheng	Effect of exercise training on vascular function in obese and overweight children: a meta-analysis
P02-002	Qi Wei	Cardiac remodeling effected by exercise adaption in endurance athletes
P02-003	Xuejiao Wang	TXNIP knockout improved cardiac function after myocardial infarction by promoting angiogenesis and reducing cardiomyocyte apoptosis
P02-004	Nan Wu	RND3 overexpression inhibits oxidative stress and proliferation of vascular smooth muscle cells in spontaneously hypertensive rat
P02-005	Kunichika Tsumoto	Linking the early afterdepolarization in cardiomyocyte models of long QT syndrome type 2 to reentrant arrhythmia
P02-006	Yumei Xu	Gold-crium dioxide nanostructures for photoacoustic imaging and photoimmunotherapy of three negative breast cancer
P02-007	Yufang Zhu	Acid-sensing ion channels in the nucleus tractus solitarii contribute to augmented central chemoreflex in spontaneously hypertensive rats
P02-008	Jianlin Wang	BaTiO ₃ -Au nanostructures used to produce a temperature-mediated reactive oxygen species for hypoxic tumor therapy
P02-009	Xiaoqing Xiong	Elabela alleviates vascular remodeling via APJ-mediated PI3K/Akt inhibition and Nrf2 activation in hypertension
P02-010	Ying Shi	Targeting histamine H4 receptor in rostral ventromedial medulla to reduce hypertension
P02-011	Hong Xiao	Cardioprotective effects of different concentrations of hypoxia in rats with acute myocardial infarction
P02-012	Minghui Wei	Regulation of Notch 1 / Hes1 pathway by cyclooxygenase inhibitors to prevent myocardial hypertrophy induced by pressure overload: in vivo, in vitro and clinical studies
P02-013	Rong Zhao	NS3 helicase structure from St. Louis encephalitis virus specifically recognizes viral RNA sequence to ensure replication

P02-014	Yiqin Cui	Study on ATP signal in arterial vascular injury and its effect on vascular Sca-1 ⁺ stem cells
P02-015	Min Zhang	Study on the intermediate-conductance calcium-activated potassium channel in Sca-1 ⁺ cells of blood vessel wall
P02-016	Ying Ma	STIM1 mediated FAK/Paxillin/AKT phosphorylation contributes to the migration of vascular resident CD34 ⁺ stem cells induced by MCP-1
P02-017	Yuan Li	The role of vascular resident CD34 ⁺ stem cells in the repair of vascular injury in mice with endotoxemia
P02-018	Yanyan Zhang	Opposing methylation patterns of BKCa channel β 1 subunit in mesenteric arteries of aging hypertensive rats
P02-019	Liju Yang	SDF-1 promotes the migration of vascular resident CD34 ⁺ stem cells by activating STIM1/ORAI channels
P02-020	Jiungpang Huang	CCL5-programmed MDSCs counteract HFD-associated cardiac dysfunction
P02-021	Angela Woodiwiss	Contribution of volume-induced alterations in left ventricular ejection dynamics to arterial pulse wave morphology, pressure and cardiac mass in a community in Africa
P02-022	Mingjie Wang	S-propargyl-cysteine stabilizes atherosclerotic plaques
P02-023	Weifeng Pan	The effect of time efficient exercise prescription on the elderly patients with diabetes mellitus type 2
P02-024	Jing Cao	NGF gene-driven Sema3a overexpression suppresses sympathetic nerve sprouting and arrhythmias in healing myocardial infarction in mice
P02-025	Xuejie Cao	DKK3 promotes the formation and rupture of abdominal aortic aneurysm induced by Ang II in Apoe ^{-/-} mice
P02-026	Xuexue Liu	Size-dependent toxic effects of ZnO NPs on cardiovascular system
P02-027	Sinan Lv	DNA methylation patterns of Runx1 promoter region in adult rat hearts
P02-028	Jiawei Song	Regional patterns of Runx1 expression in rat hearts following myocardial infarction
P02-029	Dandi Xu	The mechanisms of angiotensin II upregulate Ventricular SK2 by p21-activated kinase-1
P02-030	Zijuan Zhao	Role and mechanism of Klfhd2 arrhythmogenic right ventricular cardiomyopathy (ARVC/D3)
P02-031	Xiaoting Yu	Vascular smooth muscle cell sirtuin 6 alleviated angiotensin II-induced abdominal aortic aneurysm in mice
P02-032	Xia Wang	Macrophage peroxisome proliferator-activated receptor α attenuates angiotensin II-induced cardiac remodeling in mice
P02-033	Xinxin Zhu	The effects of energy metabolism in a new mouse model of heart failure with preserved injection fraction
P02-034	Min Yan	Inhibition of Rev-erb α increase cardiac physiological hypertrophy and protect myocardial cell in pathological hypertrophy model
P02-035	Weihua Zhang	Exogenous H ₂ S promoted USP8 sulfhydration to regulate mitophagy in the hearts of db/db mice
P02-036	Lipeng Wang	The inability of offside compartmentalization of β ₁ adrenergic receptor signaling exerts cardio-protection in Takotsubo cardiomyopathy
P02-037	Jialei Li	Deficiency of Synaptotagmin 7 protects against stress-induced myocardial injury
P02-038	Ting Liu	Dual calcium-voltage optical mapping separates ventricular arrhythmogenic mechanisms in intact murine RyR2-R2474S hearts
P02-039	Zijun Su	Visualization of sympathetic transmitter dynamics during the ischemia-

		reperfusion injury in mouse hearts
P02-040	Yiyin Zhang	A new fluorescent sensor visualized cAMP dynamics in cardiomyocytes
P02-041	Tianbang Wang	Cardiac ventricular myosin exhibits distinct actomyosin cross-bridge kinetics from slow skeletal myosin
P02-042	Tingting Sun	LncRNA GAS5 restrains ISO-induced cardiac fibrosis by targeting miR-217 through regulating SIRT1
P02-043	Yuming Wu	Hydrogen sulfide ameliorated preeclampsia via suppression of toll-like receptor 4-activated inflammation in the rostral ventrolateral medulla of rats
P02-044	Nigala Aikeremu	Activation of TRPV1 regulates the effect of TGF- β 1/Smads on cerebrovascular remodeling
P02-045	Faten Diab	Effect of Vitamin D supplementation on doxorubicin-induced cardiotoxicity in rats
P02-046	Nobuhiro Watanabe	A traditional Japanese medicine, ninjin'yoeito, influences cerebral cortical blood flow via muscarinic acetylcholine receptors in anesthetized mice
P02-047	Xianghui Wang	The inhibitory effects and mechanism of Cav1.2/CaMKII-targeted peptide Athycaltide-1 on Cav1.2 channel currents in ventricular myocytes of rat hearts
P02-048	Young Keul Jeon	More evident roles of nNOS for the regulation of calcium-sensitivity and SERCA activity in the right than the left ventricular cardiomyocytes of rats
P02-049	Wei Hou	Decreased Rbfox1 produces aberrant splicing of CaV1.2 calcium channel in diabetic arteries
P02-050	Pengpeng Li	Functional regulation of Cav1.2 calcium channel by Rbfox2 in diabetes-induced cardiomyopathy
P02-051	Jeii Chen	Improvement of posture stability through various approaches increases the correlation of artificial intelligence (AI)-based and manual measurement in cardiorespiratory fitness in the elderly
P02-052	Mingjie Hao	Hemopexin mitigated ISO-induced H9C2 cell hypertrophy by inhibiting pyroptosis
P02-053	Renjun Wang	lncRNA RIKF11/miR-489-3p axis regulates sympathoexcitation by targeting KCNN2 in paraventricular nucleus in rats with chronic heart failure
P02-054	Yi Yang	L-lactate in paraventricular nucleus contributes to sympathetic overdrive and hypertension via cAMP/PKA-CREB-KCNN3 pathway
P02-055	Yanfei Xv	Acute effects of unilateral limb blood flow occlusion on arterial stiffness in healthy youth
P02-056	Peng Ye	Role of interleukin-enhancing binding factor 3 in regulating nitric oxide production in sympathetic hyperactivity of hypertension
P02-057	Luo Shi	Dysfunction of autonomic control of cardiovascular activity in hyperaldosteronism
P02-058	Liang Zhao	Upregulation of p67phox in response to ischemia/reperfusion is cardioprotective by increasing ZIP2 expression via STAT3
P02-059	Deping Wang	Platinum nanoparticles promote breast cancer cell metastasis by disrupting endothelial barrier and inducing intravasation and extravasation
P02-060	Wai San Cheang	Portulaca oleracea L. (purslane) ameliorates diabetes-associated endothelial dysfunction by suppressing endoplasmic reticulum stress
P02-061	Yue Cai	Mechanism study of EC-derived exosomes in regulating VSMC phenotypic transformation and neointima formation
P02-062	Yining Liu	CDC20-mediated ubiquitination of Meis1 regulates ischemic arrhythmogenesis in mice
P02-063	Chunli Yang	Intermittent heat stress promotes vascular endothelial injury by autophagy

		activation via AMPK/mTOR/ULK1 in spontaneously hypertensive rats
P02-064	Juan Huang	KLF2 links hemodynamic forces to vascular calcification by inhibiting BMP/SMAD1/5 pathway
P02-065	Hang Yu	The methyltransferase-like 14 mediates m6A methylation of pri-miRNA to regulate cardiomyocyte pyroptosis in myocardial infarction
P02-066	Lifang Lv	LncRNA CHIF inhibits cardiac hypertrophy through regulating ATP production
P02-067	Xiaotian Cui	ANP against myocardial ischemia-reperfusion injury by regulating zinc homeostasis
P02-068	Vernice R Peterson	Increases in reflected wave entrapment explains increases in central augmented pressures in women as compared to men in a community of African ancestry
P02-069	Nonhlanhla Mthembu	Aortic stiffness enhances heart rate effects on backward wave and hence central arterial pulse pressure in young adults
P02-070	Fengyi Li	Smooth muscle-conditional knock-in A-kinase anchoring protein 150 (AKAP150) exacerbates insulin resistance-related cardiac dysfunction

P02-II: Heart and Circulation

Poster No.	Presenting Author	Title
P02-071	Suraj M Yusuf	Variations in wave entrapment rather than reflection explain age-related increases in reflected wave pressures and their impact on the left ventricle
P02-072	Jing Shen	Deletion of synaptotagmin7 protects against pressure overload induced cardiac remodelling
P02-073	Ke Xu	Silica nanoparticles influenced the differentiation of hiPSCs into cardiomyocytes by affecting mitochondrial biosynthesis and inducing autophagy
P02-074	Yufei Chen	Nidogen-2 is a novel endogenous ligand of LGR4 to inhibit vascular calcification
P02-075	Yujie Ren	The effect of dantrolene on calcium signaling in cardiomyocyte
P02-076	Xueyuan Yang	Targeting endothelial tight junctions to predict and protect thoracic aortic aneurysm and dissection
P02-077	Kunhan Chuang	Attenuating effect of magnesium on pulmonary arterial calcification in rodent models of pulmonary artery hypertension
P02-078	Jing Yang	Co-mutations of ASXL1 and JAK2V617F in hematopoietic cells accelerates heart failure through a mechanism involving the IL-1 β -NLRP3 inflammasome
P02-079	Jieyu Guo	BACH1 deficiency prevents neointima formation and maintains the differentiated phenotype of vascular smooth muscle cell by regulating chromatin accessibility
P02-080	Zeyu Cai	Activin receptor-like kinase 3 directly couples G _q /G ₁₁ to regulate vascular contractility
P02-081	Qinye Chen	Comparison of several modeling methods for abdominal aortic aneurysm in mice
P02-082	Lanzi Gongga	Changes of microRNAs expression in heart of neonatal rats at high altitude hypoxic environment
P02-083	Yicong Shen	FAM3D deletion alleviates angiotensin II-induced hypertension through reversing eNOS uncoupling
P02-084	Zhihua Wang	Translation control in cardiac hypertrophy
P02-085	Xi Zhang	AT1-AA (Angiotensin II Type 1 Receptor Autoantibody) promotes abdominal

		aortic aneurysm
P02-086	Zhifan Li	The predictive value of cardiac troponin I for the prognosis of the patients with triple-vessel disease undergoing complete percutaneous coronary intervention
P02-087	Hongbo Liu	Effects of a single session of resistance training on endothelial function and cardiac function in obese male college students
P02-088	Shumin Bo	Acute and short-term effect of high-intensity interval training on circulating osteocalcin level and arterial stiffness in overweight male youth
P02-089	Sanah Nkadimeng	Acute effects and safety of the four psilocybin-containing magic mushroom species in vivo on the left ventricular function in normal rats over 60 minutes
P02-090	Wenjun He	Molecular mechanism behind the anti-proliferation and anti-migration effects of naringenin in treating diabetic angiopathies based on network pharmacology prediction and transcriptomic analysis
P02-091	Huizhen Lv	Prostaglandin I2 tunes extramedullary hematopoiesis after myocardial infarction
P02-092	Meixi Quan	MST1 regulated connexin 43 hemichannel activity mediates disturbed flow induced endothelial cell activation and atherosclerosis
P02-093	Yunshu Wangsun	Vascular insulin resistance contributes to hypoxic pulmonary hypertension in rats and the underlying mechanisms
P02-094	Tuo Zhang	C1q/TNF related protein 9 improves hypoxia induced pulmonary hypertension in rats and the underlying mechanisms
P02-095	Ting Zhou	Sphingosine 1-phosphate receptor 1 is an 17,18-epoxyeicosatetraenoic acid receptor mediating potent anti-inflammatory effects
P02-096	Yanan Liu	YAP targets the TGF β pathway to mediate high-fat/high-sucrose diet-induced arterial stiffness
P02-097	Limei Dong	Different respiratory and heart rate variability responses during incremental exercise in college athletes with different endurance levels
P02-098	Wei Zhang	Effect of β -adrenoceptor on left ventricular function in hypoxic stress rats by pressure-volume catheter system
P02-099	Minsheng Ye	Effects of square dancing with different exercise intensities on vascular function in menopausal women: a randomized controlled trial
P02-100	Jian Mei	LncRNA HCG20 driven by Super-enhancer is involved in hypoxia-induced PAH
P02-101	Margarida Florindo	Skin reactive hyperaemia affects systemic hemodynamics through a Prompt Adaptive Hemodynamic (PAHR) to re-establish cardiovascular homeostasis
P02-102	Tiago Granja	A deeper look into reactive hyperemia by optoacoustic imaging
P02-103	Zewu Fang	Heart rate and respiration responses during long-time mobile game in health college students
P02-104	Yi Rong	Activation of Kir2.1 improves myocardial fibrosis by inhibiting Ca ²⁺ overload and TGF- β 1/Smads signaling pathway in diabetic cardiomyopathy rats
P02-105	Huan Liang	ALDH2 alleviates septic myocardial cell injury by inhibiting caspase-11-mediated noncanonical pyroptosis
P02-106	Jiahui Wang	Effect of NLRP3 gene knockdown on pyroptosis in high glucose-induced H9C2 cardiac cells injury
P02-107	Qin Wu	Molecular and functional exploration of NADPH oxidase (Nox) system in Paraventricular nucleus of hypothalamus (PVN) and rostral ventrolateral medulla (RVLM): key difference and functional implications
P02-108	Jiehua Qiu	AMPK promotes the development of varicose veins in lower extremity
P02-109	Weiwei Lu	Intermedin1-53 attenuates atherosclerotic plaque vulnerability by inhibiting CHOP-mediated apoptosis and inflammasome in macrophages

P02-110	Wenxiu Zhang	Effect of ANO1 inhibitor on AngII-induced migration of vascular smooth muscle cells
P02-111	Jiaqi Xiao	The emerging role of telomere and telomerase in the development of vascular calcification
P02-112	Lai Yen Fong	Alternanthera sessilis ethanolic extract inhibits pro-oxidant-induced activation of human aortic endothelial cells
P02-113	Qiannan Ma	Harmine alleviates atherogenesis by inhibiting disturbed flow-mediated endothelial activation via protein tyrosine phosphatase PTPN14 and YAP
P02-114	Junqi Wu	Effects of high-intensity interval training and aerobic exercise on vascular endothelial function in postmenopausal women: a randomized controlled trial
P02-115	Qiuping You	Arterial adaptation of tennis players
P02-116	Chuanyue Qin	Zinc oxide nanoparticles promote the metastasis of breast cancer cells by inducing endothelial leakage
P02-117	Yujiao Zhou	The effectiveness of Tai Chi on heart rate variability: a systematic review and meta-analysis
P02-118	Chengzhi Han	Inhibition of cGAS in paraventricular nucleus attenuates hypertensive heart injury via regulating microglial autophag
P02-119	Qianqian Liang	Essential roles of MESP1-RING1A in cardiac differentiation
P02-120	Ke Yang	Targeting myocardial mitochondrial-STING-polyamine axis prevents chronic kidney disease-associated cardiac hypertrophy
P02-121	Chi Tang	Effects of resistance training on haemodynamics and arterial stiffness in obese adults
P02-122	Nan Mu	SIRT6 protects against ischemia-reperfusion injury by attenuating aging-related myocardial CHMP2B accumulation
P02-123	Jiaqi Huang	Deletion of CX3CR1+ macrophage ameliorates thoracic aortic aneurysm in Marfan syndrome
P02-124	Zhelong Xu	Ubiquitination and degradation of PIAS3 upregulate the ZIP family zinc transporters via STAT3 in response to zinc deficiency and reduce myocardial ischemia/reperfusion injury
P02-125	Samira Choopani	Estradiol supplement or induced hypertension may attenuate the losartan-promoted renal hemodynamics responses to graded angiotensin II administration in ovariectomized rats
P02-126	Ain Nabila Syahira Shamsol Azman	Antioxidant properties of malaysian tualang honey contributes to suppression of PDGF-induced human vascular smooth muscle cells proliferation
P02-127	L.J.U. Karunaratne	Resting cardiovascular function in healthy long-term meditators: a Sri Lankan study
P02-128	Success Ajayi	Cardiac remodeling: pathophysiological basis and therapeutic viability in the treatment of heart failure
P02-129	Lamis Kaddam	Autonomic activity and hemodynamic parameters in relation to the clinical severity of sickle cell anaemia
P02-130	Lawrence Aderemi Olatunji	Valproate and acetate restore cardiac HDL-cholesterol in oral contraceptive-treated female rats
P02-131	Sharnay Naidoo	Ubiquinone attenuates doxorubicin-induced cardiotoxicity in an in vitro H9c2 cell model
P02-132	Stephanie Areloegbe	Suppression of PCSK9 and NF-kB-dependent pathways by acetate reverses cardiac inflammation in letrozole-induced PCOS rat model
P02-133	Chiranjeevi Kumar E	Clinical utility of simple and continuous metabolic syndrome risk scores in southern Indian adults for detecting cardiac autonomic dysfunction

P02-134	Sharon O. Azubuiké-Osu	Virgin coconut oil and carvedilol supplementation attenuates doxorubin-induced cardiotoxicity and cardiac dysfunction in mice
P02-135	Kejia Xie	The effect of exercise on vascular function in overweight and obese adults: a meta-analysis of randomized controlled trials
P02-136	Yinghui Huang	IRF1-mediated downregulation of PGC1 α contributes to cardiorenal syndrome type 4

P03: Respiration

Poster No.	Presenting Author	Title
P03-001	Chaohong Li	Pharmacological activation of metabotropic glutamate receptors inhibits CIH-induced sensory long-term facilitation in the rat carotid body
P03-002	Di Wu	CTNNAL1 deficiency promoted glucocorticoid resistance in HDM-induced asthma mouse model through up-regulating HSP90 signaling pathway
P03-003	Winghung Ko	Effect of electronic cigarette vapour on calcium ion- and cyclic adenosine monophosphate-dependent ion transport in human bronchial epithelial cells
P03-004	Chiamaka Okoli	Modulation of mitochondrial function by interactions between carbon monoxide and redox-active iron species in human bronchial epithelial cells
P03-005	Mengyun Cai	Role of carbon monoxide in oxidative stress-induced senescence in human airway epithelium
P03-006	Chenlu Zhao	Expression of group II mGluRs in the arotid body and its role in the carotid chemoreceptor response to acute hypoxia
P03-007	Jichang Li	Serum lipidomics analysis of mycoplasma gallisepticum infection in chickens and emerging role of sphingolipids in replication in vitro
P03-008	Furong Li	Sema4A /PlexinB1/Foxo signaling is required for the stability of regulatory T cells
P03-009	Yu Chen	Conditional knockout of ITGB4 in bronchial epithelial cells directs bronchopulmonary dysplasia
P03-010	Xinxin Guan	Fn14 exacerbates acute lung injury by activating the NLRP3 inflammasome in mice
P03-011	Lin Yuan	ITGB4 deficiency in airway epithelia induces airway remodeling through EMTU activation independent of airway inflammation
P03-012	Kai Zhou	ITGB4 deficiency in airway epithelia enhances HDM-induced airway inflammation through hyperactivation of TLR4 signaling pathway
P03-013	Yu Yang	Airway epithelial-derived exosomes enhance pulmonary inflammatory response to induce asthma exacerbations after RSV infection
P03-014	Xiaofang Fan	Critical role and mechanism of Apelin-APJ axis in the regulation of LPS-induced pulmonary fibrosis in mice
P03-015	Renhui Huang	Inhibition of the cGAS-STING pathway attenuates lung ischemia/reperfusion injury via regulating endoplasmic reticulum stress in alveolar epithelial type II cells of rats
P03-016	Ye Yao	Increased expression of CTSK in airway epithelia was involved in the pathogenesis of airway remodeling of asthma
P03-017	Min Shao	Activation of PGE2-EP4 pathway attenuates bleomycin induced pulmonary fibrosis by reducing abnormal mitochondrial iron deposition of alveolar type II epithelial cells
P03-018	Yujia Qiu	Inhibition of system XC- exacerbates acute lung injury in sepsis

P03-019	Shirui Li	Induced pluripotent stem cells attenuate acute lung injury induced by ischemia reperfusion via suppressing the HMGB1
P03-020	Michela Terlizzi	Intracellular phingosine-1-phosphate is involved in lung cancer cells proliferation
P03-021	Mingyue Ren	Diaphragm motor evoked potential in response to vertical and horizontal spinal magnetic stimulation in healthy human
P03-022	Shengmao Wu	Aggravation of pulmonary fibrosis after knocking down the aryl hydrocarbon receptor in the insulin-like growth factor 1 receptor pathway
P03-023	Haihai Liang	Integrated analyses identify a master ncRNA regulatory network for the fibroblast activation in lung fibrosis
P03-024	Yahan Liu	S-nitrosation impairs KLF4 activity and instigates endothelial dysfunction in pulmonary arterial hypertension
P03-025	Xiaozhen Wei	Csrp2 promotes hypoxic pulmonary vascular smooth muscle cell proliferation through Wnt3 α - β -catenin/LEF1 pathways
P03-026	Pan Wang	HMGB2 regulates pulmonary artery smooth muscle cells proliferation through cGMP/PKG -miR-21-TPM1 axis
P03-027	Shuaihu Tian	Role and mechanism of circ-Tnnc2 in autophagy of pulmonary smooth muscle cells in pulmonary hypertension
P03-028	Ying Zhang	Circ-Tnnc2 serves as an miR-346-5p sponge to promote pulmonary artery smooth muscle proliferation
P03-029	Rodrigo Herrmann	A new approach to study clinical cases as a tool to increase Veterinary students' interaction in respiratory physiology lessons during the emergency remote teaching (ERT)
P03-030	L.J.U. Karunarathne	Respiratory function in Sri Lankan long-term meditators
P03-031	Desheng Sun	The preventive and therapeutic effects of AAV1-KLF4-shRNA in cigarette smoke-induced pulmonary hypertension

P04: Endocrine, Reproduction and Development

Poster No.	Presenting Author	Title
P04-001	Yuki Uchida	Effect of estradiol on thermoregulatory responses in ovariectomized rats administrated TREK agonist
P04-002	Guoning Li	Advance in physical activity and evaluation methods based on children and adolescents with type 1 diabetes
P04-003	Amal Saeid	Gum arabic (acacia senegal) oral supplementation ameliorates insulin resistance and reduce body weight among obese female rats induced by cafeteria diet
P04-004	Wenmin Gao	EP3 receptors mediate the febrile response to PGE2 in the rat lateral parabrachial nucleus
P04-005	Yixin Tian	Effects of blood flow restriction with aerobic exercise to the physiological indicators of type II diabetes patients
P04-006	Yang Cao	Effects of aging on learning and memory ability of female rats
P04-007	Wenjuan Shi	The gene knockout of angiotensin II type 1a receptor improves high-fat diet-induced obesity in rat via promoting adipose lipolysis
P04-008	Qiang Gao	Melatonin attenuates H2O2-induced injury by up-regulating lncRNA Neat1 and 1810026B05Rik in HT22 mouse hippocampal cells
P04-009	Runting Dou	A quantitative assessment of Ionizing radiation injury in testicular tissue of rats

P04-010	Li Nie	Consistency and synchronization of AMPK-Glycogen in endometrial epithelial cells is critical to the embryo implantation
P04-011	Weiqing Wang	Regulation and mechanism of microRNA on islet β cell function and insulin resistance in type 2 diabetes mellitus
P04-012	Yicheng Wang	Hyperandrogen-induced polyol pathway hyperactivity in polycystic ovary syndrome affects ovarian function via excessive oxidative stress
P04-013	Shuai Ren	The role and mechanism of TRPV1-mediated P2X3 upregulation in type 2 diabetic overactive bladder
P04-014	Zhandong Lei	Txnip deficiency promotes β cell proliferation in the HFD-induced obesity mouse model
P04-015	Qiangqiang Wang	Protective effect of metformin on testicular function in mice with type 2 diabetes mellitus and oligospermia
P04-016	Yun Long	Expression of GLUT2 in mouse endometrium and its role in embryonic implantation
P04-017	Yuqing Wen	Protection of imperatorin on primary satellite glial cells from damage induced by high fatty acid
P04-018	Wenjing Xiu	Increased CHCHD2 expression promotes liver fibrosis in non-alcoholic steatohepatitis
P04-019	Xuan Qiu	α -lipoic acid ameliorates liver injury in rats with type 2 diabetes mellitus via activating AMPK/mTOR pathway
P04-020	Jingjing Wang	Effects and mechanism of progesterone and 17 β -estradiol on insulin resistant HepG2 cells and high glucose induced apoptotic INS-1 cells
P04-021	Jingjing Liang	The effects and mechanisms of progesterone combined with 17 β -estradiol on insulin resistance in type 2 diabetes mellitus mice
P04-022	Yan Luo	The activation of TRPA1 regulates the oxidative stress and inflammation process of hEECs
P04-023	Jing Long	Mitochondria-specific antioxidant MitoTEMPO significantly ameliorates the characteristics of preeclampsia in the rat models caused by dysregulation of glucocorticoid metabolism and synthetic glucocorticoids
P04-024	Xin Ni	Dynamic function and composition changes of innate immune cells at the maternal-fetal interface at term and preterm
P04-025	Tomoe Y. Nakamura-Nishitani	A novel regulatory mechanism of energy metabolism mediated by a calcium sensor protein
P04-026	Serguei Fetissov	Protein extract of Hafnia alvei bacteria improves glucose tolerance in lean and obese mice
P04-027	Jie Xu	Vitamin D stimulates miR-26b-5p to inhibit placental COX-2 expression in preeclampsia
P04-028	Weiqing Wang	Research progress of the effect of high-intensity interval training on diabetes patients
P04-029	Yuchan Zheng	The effects of blood flow restriction with low-intensity aerobic training on sleep in type 2 diabetes mellitus patients
P04-030	Yang Liu	Cellular mechanisms underlying astrocytic volume regulation: interaction of VRACs with GFAP and aquaporin 4
P04-031	Katesirin Ruamyod	Effect of ferulic acid on L-type and T-type Ca^{2+} channels in rat pancreatic beta cell line
P04-032	Junshu Nie	Cold exposure induced endoplasmic reticulum stress regulates autophagy through the SIRT2/FoxO1 signaling pathway
P04-033	Qiyang Yao	ROS contributes to skeletal muscle insulin resistance in a

		dehydroepiandrosterone-induced polycystic ovary syndrome mouse model
P04-034	Wenlang Yu	Investigation on the current situation of hyperuricemia among college students
P04-035	Rui He	Roux-en-Y gastric bypass surgery improves oligospermia in T2DM mice
P04-036	Qingjie Peng	Roux-en-Y gastric bypass surgery ameliorates polycystic ovary syndrome in mice by inhibiting ferroptosis
P04-037	Jiayi Li	Serum levels of ghrelin and LEAP2 in patients with type 2 diabetes mellitus: correlation with circulating glucose and lipids
P04-038	Catalina Guerra-Silva	Pre-pregnancy maternal obesity reduces human umbilical vein endothelial cell proliferation requiring hydrogen sulfide and activator protein 1
P04-039	Guangyan Wang	Annexin A2-Notch regulatory loop in hepatocytes promotes liver fibrosis in NAFLD by increasing osteopontin expression
P04-040	Yanming Wang	Predication of the molecular mechanism of Yuquan Pill in treating with type 2 diabetes via network pharmacology combined with molecule docking
P04-041	Guiling Wu	Hepatic FGF21 responsiveness as a determinant in the bidirectional regulation of health by ketogenic diet
P04-042	Sanjit Dey	Progression of non-alcoholic fatty liver disease (NAFLD) prediction: Liver transient elastography score and association of impaired autophagy and enhanced inflammasome activation in peripheral blood mononuclear cells (PBMC)
P04-043	Weifeng Lu	Establishment of experimental method to identify and culture pancreatic neuron-islet complex
P04-044	Paola Valero	Insulin reverses the gestational diabetes-increased basal intracellular pH in HUVECs via a mechanism that depends on the prepregnancy maternal weight
P04-045	Zhibo Shen Tu	n-3 PUFA modulated insulin-related pathways through PPAR γ
P04-046	Tianhui He	LPB \rightarrow POA pathway mediates the pyrogenic effects of PGE2 in the rat lateral parabrachial nucleus
P04-047	France Raphela	Prevalence and associated risk factors of diabetes mellitus among school teachers in African countries: a systematic review
P04-048	Huiming Ma	Protective effect of diammonium glycyrrhizinate combined with human umbilical mesenchymal stem cells on ovarian function of premature ovarian failure in rats
P04-049	Mei Huang	The role of chemerin in the improvement of bone metabolism in diabetic mice by aerobic exercise
P04-050	Youakim Saliba	Glucose-stimulated insulin secretion is regulated by TRPC3
P04-051	Shahenaz Satti	Antioxidant potential of gum arabic improves reproductive outcome in cafeteria diet induced obesity in female rats
P04-052	Abdul-Rahuf Feyitimi	Methanol extract of <i>Telfairia occidentalis</i> leaves modulates hepatic glycolysis, antioxidant status and insulin sensitivity in streptozotocin-induced diabetic rats
P04-053	Lamis Kaddam	Impact of acacia senegal dietary fibers (gum arabic) supplementation on hormonal profile and metabolic markers among polycystic ovary syndrome patients
P04-054	Roland Akhigbe	Arginine abrogates maternal and prepubertal codeine exposure-induced erectile dysfunction via modulation of erectogenic enzymes and caspase 3-mediated apoptosis in F1 male offsprings
P04-055	Moses Hamed	Zinc maintains penile homeostasis and erectile function in HAART-treated male Wistar rats via upregulation of glutathione-dependent antioxidants and NO/cGMP signaling
P04-056	Kehinde Olaniyi	Acetate attenuates adipose-hepatic dysmetabolism in high fat diet-induced

		obese rat model: The involvement of unfamiliar gut peptide called obestatin
P04-057	Mmenyene Usen	Low dose spironolactone alleviates hepatic lipid accumulation-driven inflammasome in experimentally induced PCOS rat model
P04-058	Adeyemi Fatai Odetayo	Bisphenol F exerts male reproductive dysfunction and impaired pregnancy outcome by down-regulating steroidogenic enzymes and NO/cGMP signaling
P04-059	Sutanu Dutta Chowdhury	Effects of lunar phases on plantar foot temperature in type 2 diabetic patients
P04-060	Arslan Iftikhar	Pancreatic regenerative potential of manuka honey in alloxan-induced diabetic rats evidenced through pancreatic histology and levels of transcription factors Pdx-1, Neurog-3, MafA, Nkx6-1 and NeuroD
P04-061	Muhamad Fikri Shazlan Saad	Unraveling the effects of BPA in colorectal cancer: <i>in vivo</i> model

P05-I: Neurobiology

Poster No.	Presenting Author	Title
P05-001	Chenghong Zeng	Behavioral changes and their neural mechanisms in the visual cortex and amygdala of rats in a myopia model
P05-002	Jia Zhang	Overexpression of FOXN2 inhibits proliferation and invasion of glioblastoma
P05-003	Iori Ohmori	A Txn1 missense mutation links to epilepsy with vacuolar degeneration
P05-004	Xiaoran Wang	Dual regulation of vasopressin neuronal activity during hypo-osmosis depends on dynamic astrocytic AQP4 and BK/Kir4.1 channel activities
P05-005	Tsuyoshi Yoshioka	Mental rotation of three-dimensional object and its cubic jigsaw puzzle piece: Underlining difference in performance through a short-term learning
P05-006	Yu Chen	Anti-neuroinflammation effects of transcutaneous auricular vagus nerve stimulation against depression-like behaviors via hypothalamic $\alpha 7nAChR/JAK2/STAT3/NF-\kappa B$ pathway in CUMS rats
P05-007	Cheng Zhen	Distinct effects of etomidate on GABA- and glycine-induced currents in dissociated spinal cord ventral horn neurons
P05-008	Junwei Xiong	KCC2 plays a role in the regulating action of brain-derived neurotrophic factor on ethanol behaviors in rats
P05-009	Yangxun Zhang	Dynamic changes of medial vestibular nuclear neuronal sensitivity during vestibular compensation
P05-010	Yan Li	Activation of M3-AChR and $IP_3/Ca^{2+}/PKC$ signaling pathways by pilocarpine results in enhancement of glycine currents in spinal cord ventral horn neurons
P05-011	Yingying Dai	The role of Apolipoprotein D in the crosstalk of neurons and astrocytes in Parkinson's disease
P05-012	Shutao Xie	Cerebellar microglia-Purkinje cell interaction contributes to the susceptibility to tremor
P05-013	Haochen Yang	The ethological and psychophysiological effects of melatonin on rats with comorbidity of pain and depression
P05-014	Yaxin Wang	Aerobic exercise improved brain lactate production and transport in AD mice
P05-015	Emi Kikuchi	Inhibition of the bed nucleus of the stria terminalis neurons enhances conditioned taste aversion and contextual fear
P05-016	Ling Chen	OTUD3 is involved in neuronal death by inducing endoplasmic reticulum stress through activating the IRE1 α -XBP1s pathway
P05-017	Shuwei Jia	Effects of intranasal administration of oxytocin in hypotonic saline on brain

		injury induced by MCAO in rats
P05-018	Jinrong Wu	Distinct receptor mechanisms underlying dopamine effects on afferent and descending synaptic transmissions to rat spinal cord motoneurons <i>in vitro</i>
P05-019	Hongyang Wang	Excitatory effects of hydrogen sulfide from astrocytes on the electrical activity of oxytocin neurons in the supraoptic nucleus
P05-020	Yue Liu	Downregulation of mitochondrial pyruvate carrier 2 aggravates neuronal injury in the cortex following cerebral ischemia in rat
P05-021	Xiaorong Yang	SIRT1 exerts antidepressant effects by regulating neurogenesis in the amygdala
P05-022	Yuya Numada	Intracerebroventricular administration of ghrelin increases both feeding and wakefulness in rats
P05-023	Nannan Wu	Synaptotagmin1 regulates behavioral response to ethanol in mice
P05-024	Pa Reum Lee	Tentonin 3/TMEM150C directs glucose-stimulated insulin secretion as a stretch activated channel
P05-025	Shuhan Cui	Effects of glabridin on learning and memory functions in Alzheimer's disease model rats
P05-026	Zijian Yao	Intervention effect of OrexinA on chronic unpredictable mild stress model rats
P05-027	Fan Ye	The water extract of <i>Senecio scandens</i> ameliorates pruritus by inhibiting MrgprB2 receptor on mast cell
P05-028	Chuang Zhang	Receptor kinetics analyses of synaptic transmission inhibition by norepinephrine in spinal cord motoneurons <i>in vitro</i>
P05-029	Qi Zhao	Central amygdala - motor trigeminal nucleus pathway mechanisms underlying rat masseter muscle hypertonia induced by chronic psychological stress
P05-030	Chinghao Li	Titanium dioxide nanoparticles impair the inner blood-retinal barrier and retinal electrophysiology through rapid ADAM17 activation and claudin-5 degradation
P05-031	Ruirui Feng	PPP1r17 is a regulatory molecule of alcohol dependence behavior in the mouse hippocampus
P05-032	Tinghui Chen	Phosphorylation of oxytocin receptor regulates social related behaviors
P05-033	Yumeng Chen	Dysfunction of prelimbic cortex contributes to allodynia and anxiety in neuropathic pain
P05-034	Qiuyi Zhang	The role of Caspase-1-dependent classical pyroptotic pathway in fluorosis-induced microglia injury
P05-035	Zhiyong Chen	Satellite glial cells contribute to pain gating in the dorsal root ganglia
P05-036	Xiaohong Hu	Orexin-A exacerbates cognitive and synaptic plasticity impairments at early stage of 3xTg-AD mice
P05-037	Kaiyue Yu	2-selective orexin receptor antagonist MK-1064 ameliorates cognitive impairments in 3xTg-AD mice
P05-038	Yupu Wang	TRPV1 regulates neuropathic pain and axonal regeneration after peripheral nerve injury
P05-039	Yue Wang	TRPV4 is involved in the pyroptosis following pilocarpine-induced status epilepticus
P05-040	Ying Zhan	Effects of astragaloside IV combined with sertraline on behavior and hippocampal neurons in depression rats

P05-II: Neurobiology

Poster No.	Presenting Author	Title
P05-041	Shaukwaun Chen	Cerebral endothelial dysfunctions induced by accumulation of cholesterol

P05-042	Tingting Tang	GHS-R1a/D2R heterodimerization protect dopaminergic neurons through Ca ²⁺ /CaM/CREB pathway
P05-043	Xiao Li	Study on GSS in behavioral function of rats with chronic cerebral ischemia
P05-044	Qichao Gao	Screening of molecular mechanism of Sulforaphane improving learning and memory and hippocampal synaptic plasticity in APP/PS1 mice based on bioinformatics combined with experimental validation
P05-045	Xiaoting Dang	Erastin-induced ferroptosis promoted early apoptosis through releasing metabolites in C6 glioma cells
P05-046	Zhenzhou Sun	Role and mechanism of sulfide: quinone oxidoreductase in Alzheimer's disease-like neural damage induced by tau aggregation in microglia
P05-047	Chiachi Hung	Growth-associated protein 43 mediates calpain-dependent proteostasis in cortical neurons
P05-048	Kay LH Wu	Maternal high fructose diet induced early onset retinopathy via the suppression of synaptic plasticity mediated by mitochondrial dysfunction
P05-049	Hanwen Zhang	Effects of Ginkgo biloba leaf extract on learning and memory functions in Parkinson's disease model rats
P05-050	Jianguo Li	The BDNF expression mechanism was studied in different parts of the hippocampal neurons in rats
P05-051	Yuting Wang	Observation of anesthetic effects of propofol combined with remifentanyl by monitoring hypothalamic VLPO and LPB activities in rats
P05-052	Shao Li	AQP4-A25Q point mutation in mice depolymerizes orthogonal arrays of particles and decreases polarized expression of AQP4 protein in astrocytic endfeet at the blood-brain barrier
P05-053	Yu Zhou	Genetic inhibitions of MLKL and GSDMD collaborate with neuroprotection after acute ischemic stroke
P05-054	Yang Zhou	Analysis of differentially expressed genes related to hippocampal ischemia reperfusion injury based on transcriptome sequencing
P05-055	Jianguo Li	Ischemia-reperfusion differentially alter the expression of histone deacetylase in the hippocampus of rats
P05-056	Hyungsup Kim	Anoctamin 1/TMEM16A mediates Mas-related G protein receptor-dependent itch in sensory neurons
P05-057	Hee Sup Shin	Neural mechanism of affective empathy
P05-058	Yuru Guo	The mechanism of Synaptotagmin 7 regulating the rhythmic secretion of central kisspeptin neurons in female mice
P05-059	Shouhong Zhou	Prmt2 inhibits N9 microglia polarization-mediated neuroinflammation via TFEB-autophagy
P05-060	Weiqing Wang	Systematic review of water exercise for rehabilitation intervention of Parkinson's disease
P05-061	Wanying Cao	Application of tissue cleaning technique in the study of the neural circuit of the flexor withdrawal reflex in rats
P05-062	Dieter F. Kutz	Is finger tapping a biomarker to classify cognitive status in octogenarian
P05-063	Bangyuan Liu	Potential effects of a subunit-selective positive allosteric modulator, PTC-174, on NMDA receptors in neonatal rat substantia nigra dopaminergic neurons
P05-064	Ting Liang	Secondary neuronal damage and neuroinflammation in the spinal dorsal horn mediate post-thalamic haemorrhagic stroke pain
P05-065	Yu Gu	Study of the anti-inflammatory effect of Baohuoside I in primary astrocytes
P05-066	Zifan Hu	Mechanism study of ginsenoside Rg1 against inflammatory response in PD

		mice based on GPER signal pathway
P05-067	Chongchong Sun	Neuroprotective effect of nano-selenium against rotenone-induced neuronal damage
P05-068	Zijun Wang	Effects of 4-AP derivatives on the electrical activities of dopaminergic neurons in the substantia nigra
P05-069	Cui Liu	An analogue of GLP-1 modulates the spontaneous firing activity of nigral dopaminergic neurons
P05-070	Boris Krylov	The opioid crisis: can it be resolved?
P05-071	Tongtong Yang	Down-regulation of ferroportin by pathological α -synuclein is independent of hepcidin
P05-072	Huizhe Sun	Effects of GLP-1 on the spontaneous firing activity of hippocampal CA1 neurons
P05-073	Ang Li	Electrical activities of GABAergic neurons of the mice zona incerta in vitro
P05-074	Fenghua Chen	Regulation of Zona Incerta GABAergic neurons on motor behavior in a mouse model of Parkinson's disease
P05-075	Yinhao Wang	Aerobic training improves motor dysfunction in 6-OHDA-induced Parkinson's disease mice through striatal D2-MSNs plasticity
P05-076	Noemi Martella	Cholesterol metabolism crosstalk between glial and neuronal cells: a new role for NGF?
P05-077	Huaying Liu	Possible involvement of dopaminergic D1 receptor of the dentate gyrus in spatial learning and memory in diet-induced obesity rats
P05-078	Liping Wang	Effect of chronic stress on spatial learning and memory in a rat model of Alzheimer's disease
P05-079	Eminy H.Y. Lee	Identification of Ndfip1 as a novel negative regulator for spatial memory formation through facilitated ubiquitination of Beclin 1 and PTEN
P05-080	Lin Liu	Overexpression of TFEB may be involved in the intracellular iron metabolism

P05-III: Neurobiology

Poster No.	Presenting Author	Title
P05-081	Yu Tang	Arginine vasopressin inhibition of Glutamatergic synaptic transmission in rat preoptic area of hypothalamus
P05-082	Yu Zhang	Studies of activating κ -opioid receptor to inhibit NMDA current of anterior cingulate cortex neuron in rats using patch clamp technique
P05-083	Xiaya Yue	The mechanism of MicroRNA-200a-3p involved in the affective pain in anterior cingulate cortical neurons in rats
P05-084	Xiaolu Liu	Mechanisms underlying the effect of Sanpian decoction against cerebral ischemia reperfusion injury: from the in silico and in vivo studies
P05-085	Na Hao	Patch clamp study of δ -opioid receptor agonists inhibiting NMDA current in rat anterior cingulate cortex
P05-086	Yiting Wang	The role of visual cortex in processing timing information in humans and mice
P05-087	Ruyi Yang	Vision restoration in photoreceptor-degenerated mice and macaque monkeys using nanowires
P05-088	Chengyong Jiang	The oculomotor nucleus regulates eye movement in sleep
P05-089	Xiangyu Chen	Research progress on traditional Chinese medicine in treatment of cerebral ischemia/reperfusion injury by targeting mitochondrial dynamics and related proteins SUMOylation
P05-090	Dieter F. Kutz	Propagation of EEG activity in right- and left-handed subjects during a

		deliberation process preceding a movement decision
P05-091	Xiaya Yue	Experimental study on the isolation, culture and inflammatory characteristics of spinal cord astrocytes in aged rats
P05-092	Xia Guo	The role of dopamine D1 receptor in anterior cingulate cortex in the regulation of pain emotion in rats
P05-093	Shuo Kong	NFIA mediates astrocyte activation by regulating TRPV4 in epileptogenesis
P05-094	Lijuan Hu	The updating role of SIRT1 in cerebral ischemia/reperfusion injury and its potential as a pharmaceutical strategy
P05-095	Guang Yang	Protective effect of isoliquiritigenin against anxiety-like behaviors in young adult mice with Alzheimer' disease
P05-096	Xianhe Wu	The role of spinal microRNA rno-let-7b-5p in rats with irritable bowel syndrome
P05-097	Serguei Fetissov	Oxytocin signalling is modulated by immunoglobulin G - relevance to aggressive behavior
P05-098	Yanhua Bing	Facial stimulation induces long-term potentiation of mossy fiber-granule cell synaptic transmission via GluN2A-containing NMDA receptor/nitric oxide cascade in the mouse cerebellum
P05-099	Yue Liu	Effects of Urocortin III on climbing fiber-Purkinje cell synaptic transmission in the mouse cerebellum
P05-100	Hui Song	Mechanism of serotonin modulates spontaneous simple spike activity of Purkinje cells in mouse cerebellar cortex
P05-101	Chaoyue Chen	Effects of CRF on facial stimulation-induced MLI-PC plasticity in mouse cerebellar cortex
P05-102	Binbin Zhang	A presynaptic LTD at glutamatergic synapses of the PVN magnocellular neurosecretory cells in vitro in stress rats
P05-103	Mingze Sun	The alteration of electrical activity of magnocellular neurosecretory cells in the paraventricular nucleus of hypothalamus in Nppa knockout mouse
P05-104	Jing Zhang	The alterations of simple spike activity of cerebellar Purkinje cells in spinal cord injury mice
P05-105	Dashuang Gao	The mechanism of bone-derived factor RANKL in maintaining the brain homeostasis
P05-106	Lu Zhang	Central neural regulation of parathyroid hormone
P05-107	Yunling Yu	Research progress of Hippo signaling pathway in ischemia-reperfusion injury
P05-108	Jing He	Sex-specific effects of estrogen receptor 2 expression in the dorsal raphe nucleus on anxiety and depression-related behaviors in mice
P05-109	Yuting Jiang	Gnb2 deficiency lead to ADHD-like behaviors in mice
P05-110	Limin Liu	Fuoidan ameliorates cell death by enhancing the mitochondrial function in a rotenone-induced cell model of Parkinson's disease
P05-111	Xiao Li	Mechanism of GSS regulating mitochondrial dynamic balance by Rictor-MTFP1-MPTP axis to improve learning and memory function in VD rats
P05-112	Huirong Liu	P2X7 and P2Y1 receptors in DRG mediate electroacupuncture to inhibit peripheral sensitization in rats with IBS visceral pain
P05-113	Ke Wang	Weaker correlation between velocity and striatal MSNs' activities contribute to various bradykinesia features of Parkinson's mice model
P05-114	Dan Wang	TRPM3-mediated dynamic mitochondrial activity in NGF-induced latent sensitization of chronic low back pain
P05-115	Xiaoyu Liu	Effects of intranasal application of oxytocin on postpartum depression in rats and the underlying mechanisms

P05-116	Xing Ye	Meta-analysis of the effect of exercise intervention in Parkinson's disease
P05-117	Hao Xu	A meta-analysis of the effects of aerobic exercise on the prevention and treatment of postpartum depression
P05-118	Wenxing Yang	Redundant neural circuits regulate olfactory integration
P05-119	Xin Yang	Effects of exercise-induced fatigue on dynamic changes of intracellular calcium signal in neurons and its regulation on behavior
P05-120	Dan Qiu	Protective effect of aerobic exercise on myelin injury in a rodent AD model

P05-IV: Neurobiology

Poster No.	Presenting Author	Title
P05-121	Kuan Zhang	Fear learning induces $\alpha 7$ -nicotinic acetylcholine receptor-mediated astrocytic responsiveness that is required for memory persistence
P05-122	Zhengyang Yao	The implications of iron regulatory protein 2 in ferroptosis of dopaminergic neurons and Parkinson's disease
P05-123	Han Wu	Molecular mechanism for functional regulation of NBCe1 by phosphorylation in the amino-terminal domain
P05-124	Lijuan Hou	Effects of treadmill exercise on stimulated dopamine overflow in dorsal striatum in DJ-1 deficiency Parkinson's mouse
P05-125	Shaoyuan Li	Pain and depression comorbidity: treatment by division or by combination?
P05-126	Yaling Yin	Role of calcium oscillation of neuron in Alzheimer's disease induced by abnormal Tau aggregation
P05-127	Haishui Shi	CircSYNXX1 ameliorates stress-induced abnormal behaviors by targeting miR-XXX-5p/FTO
P05-128	Xue Xiao	The role of SUR1 subunit upregulation in KATP channels in the degeneration of dopaminergic neurons in Parkinson's disease
P05-129	Guangjun Su	ICT plays a role in neurological recovery after cerebral ischemia by regulating microglial polarization
P05-130	Qian Zhang	Advances in the role of regulatory T cells in ischemic stroke
P05-131	Shicai Fang	The role of estrogen and hepcidin in regulating ferroptosis after ischemic stroke
P05-132	Xinyan Gao	Calcium imaging in population of dorsal root ganglion neurons unravels novel mechanisms of visceral pain sensitization and referred somatic hypersensitivity
P05-133	Mingzhe Liu	An ascending pathway emanating from the dorsomedial medulla for comorbid depressive symptoms in cough hypersensitivity
P05-134	Peng Wang	Folic acid regulates GCPII transcriptional adaptive program to block ferroptosis and alleviate cerebral ischemia-reperfusion injury
P05-135	Shuyang Zhou	Study on the mechanism of Banxia Baizhu Tianma Decoction in the treatment of stroke based on network pharmacology
P05-136	Vindya Shalini Ranasinghe	Incidence and predictors of cerebral salt wasting syndrome in stroke patients- results of a prospective observational study
P05-137	Yuyang Wang	Glycolysis impairs recovery from anoxic spreading depolarization in <i>Locusta migratoria</i>
P05-138	Xing Ye	Gene expression profiling in the hippocampus of exercise mice based on GEO database
P05-139	Zhaofa Wu	Spying on purinergic modulation by constructing GRAB fluorescent sensors
P05-140	Xinwen Zhang	White noise enhances the verbal and numerical working memory in different

		age groups
P05-141	Jie Xia	PVN-NAc oxytocin neural circuit mediates the antidepressant effect of physical exercise in restraint stress mice
P05-142	Sidra Tabassum	Chronic unpredictable mild stress-induced microglial activation and mitochondrial dysfunction in the hippocampal-medial prefrontal pathway
P05-143	Afzal Misrani	Urolithin A may prevent sleep deprivation-induced neuroinflammation and mitochondrial dysfunction in young and old mice
P05-144	Huali Yu	Dysregulation of AMPK-mTOR signaling leads to comorbid anxiety in Dip2a KO mice
P05-145	Bing Gao	5-Aza-cdR regulates the expression of BDNF to participation in learning and memory of mice through DNA methylation
P05-146	Cui Liu	EphA4 negatively regulates white matter remyelination after ischemic stroke through the Ephexin-1/RhoA/ROCK signaling pathway
P05-147	Jigang Pan	NR2B-NMDARs involve in the maintenance of late phase LTP induced by theta burst stimulation in the anterior cingulate cortex of adult mice
P05-148	Dragica Selakovic	The role of galectin-3 in anxiety level regulation in mice
P05-149	Dragica Selakovic	Beneficial effects of antioxidants in the treatment of anxiogenic response to cisplatin in rats
P05-150	Weiran Li	A mechanism study on AAV-IP3R improvement of cognitive behavior and synaptic structural function in APP/PS1 mice
P05-151	Zahra Yaghoobi	Adipose-derived mesenchymal stem cells reduced transient cerebral ischemia injury by modulation of inflammatory factors and AMPK signaling
P05-152	Heng Lv	Pre-stroke exercise ameliorates post-stroke cognitive impairment through mediation of gut microbiota composition
P05-153	Danmin Shen	Ferroptosis in oligodendrocyte progenitor cells mediates white matter injury after hemorrhagic stroke
P05-154	Fateme Nasimi	Dipeptidylpeptidase-4 inhibitors attenuates diabetes-induced cognition and memory impairments in diabetic animals
P05-155	Atefeh Rayatpour	Ferroptosis inhibitor, deferiprone, attenuates demyelination and promotes neuroprotection in demyelinated optic nerve
P05-156	Zhaowei Sun	Cdyl deficiency brakes neuronal excitability and nociception through promoting Kcnc1 transcription in peripheral sensory neurons
P05-157	Shida Wang	DNA N6-methyladenine is a mediator of stress-induced impairment of spatial learning memory capacity in mice
P05-158	Guangfa Jiao	The central mechanism and applied prospect of hypoxia on feeding activities
P05-159	Noah A. Omeiza	Carpolobia lutea reverses drugs-induced schizophrenia-like symptoms in mice via oxido-inflammatory and neurotransmitters' pathways
P05-160	Xingjun Liu	An endothelial-neural circuit drives protective pain in vascular diseases
P05-161	Shufen Wu	The role and mechanism of intestinal microbes and metabolites in the cognitive decline of normal brain aging
P05-162	Olayinka Asafa	Mechanism of hyposalivation in streptozotocin-induced diabetes in Wistar rats
P05-163	Zepeng Wang	Neurons and astrocytes in spinal cord contribute to restraint water immersion stress-induced gastric mucosal damage via the ERK1/2 signaling pathway
P05-164	Shuai Wang	Generation and modulation of auditory gating in the posterior parietal cortex of awake mice
P05-165	Zixuan He	A NAc Tac1 neural circuit for encoding aversive stimuli in mice
P05-166	Lisi Guo	Predictive value of lateral spread response in facial nerve microvascular decompression

P05-167	Yan Li	Aerobic exercise rescues nicotine withdrawal induced disruptions of nicotinic acetylcholine receptors and synaptic transmission in VTA
P05-168	Jingrong Zhang	Total flavonoids of <i>Rosa rugosa</i> regulates endoplasmic reticulum stress through PI3hway to reduce apoptosis induced by cerebral ischemia-reperfusion injury in rats
P05-169	Tayyib Adedeji	Effect of caffeine on spatial memory in scopolamine induced memory loss of female swiss mice
P05-170	N. O. Pochkhidze	Effect of toluene chronic exposure on behavior and memory in adolescent and adult age rats
P05-171	Katarina Jansakova	An alternative pathway for androgen production as a source of biomarkers of autism spectrum disorders
P05-172	Hailou Zhang	Rapid antidepressant activity of ketamine requires PACAP neurotransmission in the dentate gyrus hilus
P05-173	Danmin Shen	LRR8 channel modulates the phagocytosis of microglia/macrophages
P05-174	Fang Xie	Altered Hcy metabolism in brain and its effects on cognition in chronic stress
P05-175	Yang Liu	Effects of pain observation on brain electrophysiological signals in football players during cognitive tasks
P05-176	Yang Liu	Brain electrophysiological signals study of pain empathy in football players compared to non-athletes

P06: Secretion and Absorption (GI, Kidney)

Poster No.	Presenting Author	Title
P06-001	Yong Peng	Effects of electroacupuncture at Hegu Points on gastric physiological activity
P06-002	Lin Kurahara	Breast milk-derived <i>Lactobacillus rhamnosus</i> Probio-M9 ameliorates colitis-associated carcinogenesis by restoration of the gut microbiota
P06-003	Chihlin Wang	Gut microbiome-related effects of dietary supplementation with betaine improve nonalcoholic steatohepatitis by modulating liver immune responses in CDAHFD diet-fed mice
P06-004	Bin Zhai	RIG-I is involved with kidney disease induced by hyperuricemia via modulating ABCG2
P06-005	Kuangtzu Huang	Dual roles of calreticulin in hepatic stellate cell activation
P06-006	Dingwei Chen	The emerging role of ORM1 in regulation of hepatocytic regeneration in CKD mice
P06-007	Xing Du	B cell-derived anti-beta 2 glycoprotein i antibody mediates hyperhomocysteinaemia-aggravated hypertensive glomerular lesions by triggering ferroptosis
P06-008	Xu Huang	Corticotropin releasing factor receptor involved in the decrease of interstitial cells of Cajal in murine lower esophageal sphincter
P06-009	Yunfeng Zhou	An essential role of renal tubular MHC class II in renal fibrosis
P06-010	Yongzhi Xue	Involvement of NF- κ B in the reversal of CYP450 down-regulation induced by sea buckthorn in BCG-induced rats
P06-011	Olugbenga Odukanmi	Cardiovascular changes associated with some experimental gastrointestinal dysmotility in male Wistar rats
P06-012	Olugbenga Odukanmi	Extended fasting durations delayed gastric emptying and colonic motility in normal male rats
P06-013	Wenqiang Li	Gut microbiota produces homocysteine and aggravates

		hyperhomocysteinemia and glucose intolerance in high methionine diet-fed mice
P06-014	Bin Zhai	GSDMD alleviates LPS-induced acute kidney injury via the caspase-1/11 pathway
P06-015	Baien Liang	Alginate oligosaccharide alleviates ischemia reperfusion- induced acute kidney injury via anti-apoptotic and anti-inflammation pathways in rats
P06-016	Jiacheng Shen	Moxibustion improves TNBS-induced colitis by regulating Farnesoid X Receptor and inhibition TLR4/MyD88 signaling pathway in CD model rats
P06-017	Lijing Gong	Effect of the expression of NLRP3 inflammasome related proteins in kidney tissue by aerobic exercise
P06-018	Nilanka Wickramasinghe	Growth of bread yeast and pH in local Sri Lankan bread made in bakeries with different manufacturing practices, in view of causing symptoms of gastro oesophageal reflux disease
P06-019	Nilanka Wickramasinghe	Prevalence of gastro-oesophageal reflux disease in Sri Lanka: an island wide epidemiological survey
P06-020	Nilanka Wickramasinghe	Comparison between endoscopy positive Gastro oesophageal reflux disease patients and healthy controls
P06-021	Xiaodong Li	Effect of Lactulose on gut microbiota structure and colitis-associated tumorigenesis
P06-022	Qi Sun	Inhibition of dopamine receptor D2 ameliorated dextran sulfate sodium-induced colitis in mice through increasing the GDNF release and suppressing macrophages recruitment
P06-023	Qi Sun	Dopamine promotes glial cell-derived neurotrophic factor secretion through dopamine D5 receptor on cholinergic neuron in mice colon
P06-024	Fittree Hayeeawaema	The development of adenine-induced chronic kidney disease model associated with gastrointestinal dysfunction in ICR mice
P06-025	Drake Ao	The intestinal function in intermittent fasting-induced weight loss
P06-026	Jingyao Li	PGAM5 initiates inflammation in AKI by triggering mtDNA release via dephosphorylating Bax
P06-027	Hongyan Xie	Environmental sensor AhR accelerates renal senescence and fibrosis by promoting PGC1 α ubiquitination and proteasomal degradation
P06-028	Hui Li	A narrative review of relationship between intestinal microbiome and skeletal muscle: the potential role of gut microbiota
P06-029	Ting Gan	The pathophysiological role of MTMR3 and autophagy in IgA nephropathy
P06-030	Di Hu	Research progress of traditional Chinese medicine in diabetic nephropathy treatment
P06-031	Duoduo Chen	Advances in the pathogenesis of diabetic nephropathy
P06-032	Eugene Jamot Ndebia	The therapeutic effect of oleanolic acid on experimentally induced gastroesophageal reflux disease

P07: Molecular and Cellular

Poster No.	Presenting Author	Title
P07-001	Xiaoqi Ma	Pulsed high-intensity ultrasound enhances astaxanthin incorporation in LPS-stimulated macrophages
P07-002	Lin Zuo	Regulation of proliferative capacity of human umbilical cord mesenchymal stem cells by miR-204-5p-IGF2-CDK1 signal pathway

P07-003	Lina Peng	Effects of oxidative stress and inflammatory response for various organs after exhaustion exercise
P07-004	Meiyue Wang	Crystal structure of the Ilheus virus helicase: implications for enzyme function and drug design
P07-005	Atomu Yamaguchi	Ultrasound irradiation induces the production of itaconate and attenuates inflammatory responses in macrophages
P07-006	Xuejie Huan	The effect of p53 on iron metabolism imbalance in glioblastoma and its related mechanism
P07-007	Yuanyuan Zhang	Oltipraz modulate APAP-induced liver injury in mice by regulating HNF-1 α /GSTA1 via JNK signaling pathway
P07-008	Xiaobing Xie	UVA activation of NADP(H) oxidases
P07-009	Xiaoqi Ma	Metabolic patterns in myotubes after high-intensity ultrasound irradiation
P07-010	Zun Mao	OGT inhibition rescues Dexamethasone-induced skeletal muscle atrophy
P07-011	Fangying Jiang	A novel ferritin nano-system for tumor-targeted imaging and therapy
P07-012	Jiixin Liu	Cyclic GMP-AMP synthase protects against concanavalin A-induced acute hepatic injury
P07-013	Chenxi Shi	Mechanisms of NLRP3 inflammasome and pyroptosis in lipopolysaccharide-induced chicken hepatocyte injury
P07-014	Deping Wang	Study on induction of inflammatory response and organ damage by Platinum Nanoparticles
P07-015	Susumu Ohya	Involvement of K _{Ca} 1.1 K ⁺ channel in overcoming resistance to antiandrogens in a human prostate cancer LNCaP spheroid model
P07-016	Zilian Zhang	The infection efficiency of Myo AAV in HEK293T and C2C12 cells
P07-017	Kyoko Endo	Involvement of inflammation-associated hypoxia to K2P5.1 up-regulation in CD4 ⁺ T cells of mouse model for inflammatory bowel disease
P07-018	Hiroaki Kito	Involvement of down-regulation of K _{Ca} 3.1 K ⁺ channel to decreases in cell proliferation of mouse preosteoblasts treated with VDR agonists
P07-019	Iliia Rogachevskii	Arginine-containing short peptides as novel analgesic medicinal substances
P07-020	Gusbakti Rusip	The impact of consumption of red dragon fruit extract on mitochondrial cytochromes in the gastrocnemius muscle after strenuous exercise
P07-021	Huijun Xu	Knockout of integrin β 1 in induced pluripotent stem cells accelerates skin-wound healing by promoting cell migration in extracellular matrix
P07-022	Junxian Zhou	Understanding the transport mechanisms of the Na ⁺ /Pi cotransporter NaPi-IIc/SLC34A3
P07-023	Jae Won Kwon	Bi-directional pH dependency of CALHM1 ion channel
P07-024	Julio Sanchez	Paclitaxel regulates TRPA1 function and expression through PKA and PKC
P07-025	Julio Sanchez	Functional interaction between TRPV4 and NCS1 and the effects of paclitaxel
P07-026	Shirui Li	Knockout of integrin β 1 in induced pluripotent stem cells accelerates skin-wound healing by promoting cell migration in extracellular matrix
P07-027	Yueguang Si	Visual response of V1 neurons changed after learning
P07-028	Na Wei	Growth and survival of satellite glial cells in different culture supplementations
P07-029	Marcelo Cornejo	AP1 activity is required for arsenic trioxide-increased MDCK cells proliferation
P07-030	Yifei Zhang	Long-term treatment of mPXR agonist PCN promotes hepatomegaly and lipid accumulation without hepatocytes proliferation in mice
P07-031	Jie Yang	Long-term WY-14643 treatment induces tumorigenesis and triglyceride accumulation in mice liver
P07-032	Dong Han	The roles of regulatory B cells in inflammatory bowel disease
P07-033	Haibin Jiang	Identify MCL1/AKT as downstream effectors of IDs to impede ectoderm

		differentiation and promote primed-to-naive transition of hESCs
P07-034	Lili Wu	Semaphorin 3G attenuates plaque formation via suppressing endothelial activation and monocyte adhesion in ApoE ^{-/-} mice
P07-035	Xiao Yang	Schisandrol B protects against LCA-induced cholestasis in mice through Drp1-mediated mitochondrial fission
P07-036	Atomu Yamaguchi	Docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) prevent inflammation-induced muscle atrophy
P07-037	Xia Zhang	NICD3 regulates the expression of MUC5AC and MUC2 by recruiting SMARCA4 and is involved in the differentiation of mucinous colorectal adenocarcinoma
P07-038	Zhe Chen	MCU-dependent mitochondrial calcium uptake induces mitophagy to mediate apelin-13-stimulated VSMCs proliferation
P07-039	Weiqing Wang	Endurance exercise protects aging drosophila from high-salt diet (HSD)-induced climbing capacity decline and lifespan decrease by enhancing antioxidant capacity
P07-040	Renyi Liu	Exercise-provoked spatiotemporal changes of spontaneous cytosolic Ca ²⁺ oscillations modulate T-cell functions
P07-041	Yuxing Zhou	Effect of 8 weeks FATmax exercise on gut microbiota and anti-inflammatory effect in young obese people
P07-042	Jingya Lyu	Upregulation of hepatic ABCA1 and CYP7A1 post RYGB surgery ameliorates hepatic steatosis in obesity
P07-043	Dacen Lin	TRPC3 promotes tumorigenesis of gastric cancer via the CNB2/GSK3 β /NFATc2 signaling pathway
P07-044	Hangfei Liang	Schisandrol B protects against cholestatic liver injury by inhibiting pyroptosis through pregnane X receptor
P07-045	Yufang Xie	A network pharmacology and transcriptomics based investigation reveals an inhibitory role of β -sitosterol in glioma via the EGFR/MAPK signaling pathway
P07-046	Saima Sharif	Molecular characterization of IL-10 gene in diabetic nephropathic subjects from Lahore, Pakistan
P07-047	Shunong Zeng	Effects of leucine supplementation on concurrent training
P07-048	Xiaoke Chen	The mechanism of Mir-21-5p/TSP-1 mediated exercise on the function of endothelial progenitor cells in ageing rats
P07-049	Lebogang Matutule	Analysis of the interaction between endothelial and oesophageal cancer cells on neoplastic growth
P07-050	Nurul Hayati Mohamad Zainal	Altered placental and salivary protein associated with childhood allergy development
P07-051	Ying Wang	NE promotes neuronal apoptosis by upregulating long non-coding RNA MALAT1
P07-052	Nagat Siednamohammeddeen	The effect of gum arabic supplementation on cathelicidin expression in monocyte derived macrophage in mice
P07-053	Jia Li	The effect of a single session high-intensity interval exercise in hypoxia on circulating and skeletal muscle specific inflammatory signalling
P07-054	Fardin Sehati	Inhibition of H3K9 methylation restore cognitive impairment in vascular dementia
P07-055	Jude Ijuo Abeje	Role of inflammation in paradoxical sleep deprivation-induced hyposalivary function
P07-056	Progress Ajayi	Nuclear factor Erythroid 2-related Factor 2: a master regulator of oxidative stress damages
P07-057	Fatima Hamad	The effect of gum arabic on transcriptional activity of nuclear factor kappa beta

		on proinflammatory cytokines in metabolic syndrome among postmenopausal women in Khartoum State
P07-058	Sunday Ogli	Protective effect of natural honey against cyclophosphamide-induced suppression of humoral immunity in Wistar rats
P07-059	Matome M Sekhotha	The impact of a heroin-based street drug on liver structure and function
P07-060	N.P. Sekoba	Effects of vascular endothelial growth factor receptor-1 inhibition on the metabolic patterns of breast cancer cells
P07-061	Yan Qiu	Protective role of anisodine hydrobromide on brain neuron injury induced by hypoxia/reoxygenation
P07-062	Wenli Jiang	Anisodine hydrobromide protects human cerebral microvascular endothelial cells against hypoxia/reoxygenation injury
P07-063	Junyi Shen	Anisodine hydrobromide protects brain glial cells from hypoxia/reoxygenation injury
P07-064	Jingting Min	c-Met specific CAR-T cells as a targeted therapy for LUAD cell A549
P07-065	Xue Wang	Norepinephrine promotes glioma cell migration through up-regulating the expression of Twist1

P08: Comparative: Evolution, Adaptation and Environment

Poster No.	Presenting Author	Title
P08-001	Yanqiu Liu	Damage and recovery of white matter in adult mouse brain after hypoxia/reoxygenation
P08-002	Yanqiang Liu	TPEN influences the A β 25-35-induced cascade toxic damage correlating with related biochemical metrics and organelle function in primary hippocampal neuron
P08-003	Maud Demarest	Hypoxia Inducible Factor is partially involved in mitochondrial and metabolic responses to hypoxia in rats
P08-004	Ming Zhao	Expression profile of cytokines/chemokines in a mouse high-altitude cerebral edema (HACE) model
P08-005	Yoko Inukai	Mechanisms of unilateral or segmental hyperhidrosis: estimation based on experimental findings of a similar efferent phase of the physiological skin pressure-sweating reflex
P08-006	Lu Xu	Structural and functional mechanisms of hypoxic damage to the primary visual cortex
P08-007	Jie Wang	A G protein coupled receptor activated by singlet oxygen (GPCR-ABSO): an evolutionarily conserved property
P08-008	Elizaveta Savochkina	The effect of <i>Hafnia alvei</i> and its protein extract on the structure and functional parameters of the mouse intestine
P08-009	Linjie Wang	Predisposing factors for orthostatic intolerance after 90-day head-down bed rest
P08-010	Liya Xu	Investigation on the quality health level of physically disabled people at different altitudes
P08-011	Diego Yusta Belsham	Inter and intra-individual variation in developmental plasticity in the starlet sea anemone
P08-012	V. O. Sumanu	Ameliorative effects of probiotic (<i>Saccharomyces cerevisiae</i>) and ascorbic acid on some performance parameters, diurnal rhythms of cloacal and body surface temperatures in broiler chickens during the hot summer season

P08-013	Olufemi Oluranti	Rutin alleviates hepato-renal lipotoxicity in Bisphenol-A and Di-butyl phthalate exposed rat
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P09: Genomics and Biodiversity

Poster No.	Presenting Author	Title
P09-001	Haoyu Gu	Evaluation of the relationship between smoking and the salivary microbiome
P09-002	Lei Xu	Identification and characterization of a prokaryotic 6-4 photolyase from <i>Synechococcus elongatus</i> with a deazariboflavin antenna chromophore
P09-003	Zhiyuan Zhang	Mr.Vc v2: An updated version of database with a special focus on experimental validated interactions in <i>V. cholerae</i>
P09-004	Qingqing Li	XGBoost-based and tumor-immune characterized gene signature for the prediction of metastatic status in breast cancer
P09-005	Yuxiang Zhang	Analysis of the transcriptome-wide m6A methylome in hypothalamus of hypertension by MeRIP sequencing
P09-006	Xiaoya Zhao	Association between rs6684205 polymorphism of TGF- β 2 gene and resistance training effect on lower limb muscle indexes in young male Chinese
P09-007	Olga Venger	Paralogs of human atrial natriuretic peptide encoding gene
P09-008	Andrii Venger	Paralogs of human parathyroid hormone encoding gene
P09-009	Yan Liang	The association between ACACA gene SNP and the effects of resistance training on Abdominal Adipose

P10: Physiome/Mathematical modeling

Poster No.	Presenting Author	Title
P10-001	Shuhua Wang	Iron regulatory protein 2 damages neuron through iron independent ferroptosis
P10-002	Timon Cheng-Yi Liu	The high-order integration of a biological system
P10-003	Annalisa Bucchi	The Traditional Chinese Medicine compound Tongmai Yangxin reduces sinoatrial node cells firing rate by antagonizing the cAMP modulation of pacemaker f-channels
P10-004	Henrique Silva	What about the physiological response to the Stroop color test?
P10-005	Henrique Silva	Suprasystolic limb occlusion and cardiovascular autonomic dynamics – a pilot study
P10-006	Henrique Silva	Suprasystolic occlusion evokes a significant contralateral perfusion reduction on the upper limb in healthy subjects
P10-007	Karin Lundengård	Physiome: encouraging the publication and reuse of reproducible models
P10-008	Michael Michailov	On physiological factors of viral infections, e.g. SARS-CoV-2 (ACE-2-virus-complex)
P10-009	Chitaranjan Mahapatra	A computational model to study the modulating role of tamsulosin in mediating ureter smooth muscle contraction via potassium current

P11: Education

Poster No.	Presenting Author	Title
P11-001	Fuminobu Tamalu	Extending the course duration facilitates dissemination of educational content

P11-002	Kay Colthorpe	Challenges and learning gains of students in differing delivery modes of a physiology course
P11-003	Yufeng Wang	International medical education at the post-epidemic era: practice and thinking
P11-004	Yangting Xu	A survey of students' learning status in different forms of group discussion in basic medicine stage
P11-005	Yangting Xu	Comparative study of Physiological Online Live Teaching and Offline Face-to-face Lectures on students' learning effects
P11-006	Keli Tsai	Course development integrating concepts of Mathematics and Physics to deepen the teaching and learning of physiology
P11-007	Serena Kuang	Delivering teacher-directed self-study learning modules for teaching during the pandemic
P11-008	Fernanda K. Marcondes	Students' perception considering digital strategies used in cardiovascular remote teaching during the COVID-19 pandemic
P11-009	liping Han	The practice and exploration of "Full Vision" pedagogy in physiology under the background of "New Medical Education"
P11-010	Jing Yang	The construction and practice of the "one core, four layers and four wings" curriculum system in physiology with knowledge, values and emotional education
P11-011	Caixia Zhao	Correlation of thrombus composition in acute ischemic stroke with etiology and clinical outcome
P11-012	Yisong Wang	The effect of training sequence factors of concurrent training on physical performance of high-level swimmers
P11-013	Zongjie Cui	The undergraduate course of "Human and Animal Physiology" at Beijing Normal University
P11-014	Jian Huang	Exploration and practice of ideological and political education into reproductive medicine course based on OBE concept
P11-015	Eva Neu	On scientific responsibility of physiology for corona pandemic - Part I: On philosophical physiology
P11-016	Michael Ch. Michailov	On scientific responsibility of physiology for corona pandemic - Part II: On physiology and policy
P11-017	Eva Neu	On odontological pathophysiology
P11-018	Katarína Polónyiová	Theory of mind, executive functions and intelligence of children with autism spectrum disorder
P11-019	Georgi Sarov	A proposition of a physiological definition of health and disease
P11-020	Georgi Sarov	Vital systems as a new framework of physiological thinking