

# FAOPS 2023

Poster Presentation, Nov 3, 16:20 ~ 18:00, Grand Ballroom A, 3rd Floor, EXCO, Daegu

Poster No.	Abstract Info.			Presenter's Info.		
	Abstract No.	Topic	Title	Name	Affiliation	Country
P1-001	P-T01G-0132	01. Muscle G	The association between duration of driving and low back pain among online taxibike drivers in Central Jakarta, Indonesia	Julia Rahadian Tanjung	School of Medicine and Health Sciences, Atma Jaya Catholic University of Indonesia	Indonesia
P1-002	P-T01C-0140	01. Muscle C	Pre-exercise <i>Cordyceps</i> supplementation accelerates muscle stem cell replenishment following exercise	Luthfia Dewi	University of Taipei	Taiwan
P1-003	P-T01A-0241	01. Muscle A	CASQ1 as an active partner of stromal interaction molecule 2 in skeletal muscle	Seung Yeon Jeong	Dept of physiology, Coll of Med, The Catholic University of Korea, and Dept of Biomedicine & Health Sciences, Graduate School, The Catholic University of Korea	Korea
P1-004	P-T01A-0242	01. Muscle A	Tripartite motif-containing protein 32 regulates Ca <sup>2+</sup> movement in skeletal muscle	Jun Hee Choi	Dept of physiology, Coll of Med, The Catholic University of Korea, and Dept of Biomedicine & Health Sciences, Graduate School, The Catholic University of Korea	Korea
P1-005	P-T01C-0256	01. Muscle C	Protective effects of decoction of <i>paeonia lactiflora</i> and <i>glycyrrhiza uralensis</i> on muscle atrophy	Sang-Min Park	Chungnam National University	Korea
P1-006	P-T01C-0276	01. Muscle C	Differential gene expression analysis by RNA-seq data in catalase knockout mice	Seung-Eun Song	Department of Physiology, Keimyung University School of Medicine	Korea
P1-007	P-T01C-0424	01. Muscle C	Hibernation-induced muscle atrophy resistance in the skeletal muscles of the Syrian hamster	Mitsunori Miyazaki	Department of Integrative Physiology, Graduate School of Biomedical and Health Sciences, Hiroshima University	Japan
P1-008	P-T01C-0521	01. Muscle C	Isolation of skeletal muscle stem cells from a mammalian hibernator Syrian hamster	Tatsuya Miyaji	Department of Integrative Physiology, Graduate School of Biomedical and Health Sciences, Hiroshima University	Japan
P1-009	P-T01A-0590	01. Muscle A	Dorsomorphin, an AMP kinase inhibitor, inhibits skinned smooth muscle contraction through suppression of myosin light chain phosphorylation	Masaru Watanabe	Tokyo Metropolitan University	Japan
P1-010	P-T01A-0605	01. Muscle A	How do functional responses to antimuscarinic medications in juvenile or adult bladder detrusor tissues differ?	Vineesha Veer	Faculty of Health Sciences & Medicine, Bond University	Australia
P1-011	P-T01C-0614	01. Muscle C	Protective effects of ginsenoside Rc on hydrogen peroxide-induced muscle damage	Sang-Min Park	Chungnam National University	Korea
P1-012	P-T01C-0615	01. Muscle C	Hibernation delays the regenerative processes in the skeletal muscle of the mammalian hibernator Syrian hamster	Ryuichi Kasuya	Department of Integrative Physiology, Graduate School of Biomedical and Health Sciences, Hiroshima University	Japan
P1-013	P-T01C-0622	01. Muscle C	Musculoskeletal pain and occupational ergonomic profiles among laboratory technicians in indonesia: a preeliminary study	Novita Titis Harbiyanti	Department of Physiology, Faculty of Medicine, Universitas Brawijaya	Indonesia
P1-014	P-T01G-0629	01. Muscle G	Muscle-specific loss of prolyl hydroxylase domain family (PHDs) induces reduction of exercise capacity and weight loss	Junhyeong Lee	Department of Veterinary Physiology, College of Veterinary Medicine, Chonnam National University, Gwangju 61186, Korea	Korea
P2-001	P-T02A-0043	02. Exercise A	Influence ingestion of red dragon fruit extract on mitochondrial cytochromes in soleus muscle after moderate exercise in rats ( <i>Rattus norvegicus</i> )	Gusbakti Rusip	Departmen Physiology Faculty Medicine Universitas Prima Indonesia	Indonesia
P2-002	P-T02A-0224	02. Exercise A	Effect of different intensities aerobic exercise to cardiac angiogenesis regulation on wistar rats	Nova Sylviana	Physiology Division, Biomedical Sciences Department Faculty Medicine Universitas Padjadjaran	Indonesia
P2-003	P-T02A-0253	02. Exercise A	The anti-aging effects of exercise training on gut microbiota diversity and composition in mice	Seung Kyum Kim	Seoul National University of Science and Technology	Korea
P2-004	P-T02A-0254	02. Exercise A	The epigenetic regulation of exercise training in vascular fibrosis with aging	Seung Kyum Kim	Seoul National University of Science and Technology	Korea
P2-005	P-T02A-0296	02. Exercise A	Experience of endurance exercise training augments the hypertrophic effects of exercise in plantaris muscle of re-trained rats	Tsubasa Shibaguchi	Kanazawa University	Japan
P2-006	P-T02A-0308	02. Exercise A	Role of stingless bee honey on blood glucose and inflammation marker in rat's skeletal muscle	Pipit Pitriani	Universitas Pendidikan Indonesia	Indonesia
P2-007	P-T02A-0327	02. Exercise A	Dynamics of mRNA expression in rat skeletal muscle after resistance exercise	Daisuke Hoshino	The University of Electro-Communications	Japan
P2-008	P-T02A-0374	02. Exercise A	Different intensities of exercise modulates liver histopathology appearance and mitophagy gene expression in low protein diet-induced rats	Julia Windi Gunadi	Department of Physiology, Faculty of Medicine, Universitas Kristen Maranatha	Indonesia
P2-009	P-T02A-0403	02. Exercise A	Alteration of histopathology, autophagy, and collagen gene expression after different intensities of exercise in wistar rats induced by low protein diet	Decky Gunawan	Maranatha Christian University	Indonesia
P2-010	P-T02A-0416	02. Exercise A	Mathematical modeling analysis revealed that Akt-mediated inhibition of AMPK is important regulation for resistance exercise-induced protein synthesis in skeletal muscle	Yuta Sotani	University of Electro-Communications	Japan
P2-011	P-T02A-0436	02. Exercise A	Expression of c-Fos in nausea-associated brain regions during high-intensity endurance exercise	Hiroyasu Ichihara	Juntendo University	Japan
P2-012	P-T02A-0454	02. Exercise A	Effect of previous endurance training experience on skeletal muscle adaptation to endurance training	Shota Hajime	Department of Sports Science ,The University of Tokyo	Japan
P2-013	P-T02A-0492	02. Exercise A	Transcriptional analysis of equine skeletal muscle following high-intensity interval exercise: a comparison of two different rest intervals	Yu Kitaoka	Kanagawa University	Japan
P2-014	P-T02A-0583	02. Exercise A	Aerobic exercise training improves learning and memory function and modulates neuroinflammatory responses in LPS-induced amnesic model	Jaewon Choi	Yonsei University	Korea
P2-015	P-T02A-0638	02. Exercise A	Aerobic exercise with or without mask has positive effect on NGF and VEGF levels	Donna Adriani	Department of Physiology, Faculty of Medicine, Universitas Trisakti	Indonesia
P2-016	P-T02A-0644	02. Exercise A	Different exercise intensities modify ACE2/MasR/eNOS mRNA expression in Rat's lung	Hanna Goenawan	Faculty of Medicine, Universitas Padjadjaran	Indonesia
P2-017	P-T02B-0005	02. Exercise B	Differences in thermographic response to aerobic and anaerobic exercise	Mickey Scheinowitz	Department of Biomedical Engineering and School of Public Health, Tel Aviv university	Israel
P2-018	P-T02B-0006	02. Exercise B	Effects of a 6-week aquarobic fitness program [AFT] in obese females during COVID-19	Siti Baitul Mukarromah	Universitas Negeri Semarang	Indonesia
P2-019	P-T02B-0025	02. Exercise B	Developing and assessing the feasibility of a self-managed lifestyle intervention, as an adjunct therapy to compression for people with venous leg ulcers and early-stage neurodegenerative diseases	Markos Klonizakis	Sheffield Hallam University	United Kingdom
P2-020	P-T02B-0126	02. Exercise B	Physical activity in older adults and affected risk factors	Rika Haryono	Department of Physiology, School of Medicine and Health Sciences, Atma Jaya Catholic University of Indonesia	Indonesia
P2-021	P-T02B-0185	02. Exercise B	Assessing the effect of regular aquatic exercise on micro- and macro-vascular physiology of older adults: a randomised-controlled trial (ACELA II study)	Alexandros Mitropoulos	Sheffield Hallam University	United Kingdom
P2-022	P-T02B-0267	02. Exercise B	Exercise regulates NAD+ in the hippocampus to prevent cognitive decline induced by physical inactivity	Jimmy Kim	1Department of physiology, Graduate School Health and Sports Science, Juntendo University	Japan
P2-023	P-T02B-0423	02. Exercise B	Validity of queen's college step test in Indian sportspersons	Amit Bandyopadhyay	Sports and Exercise Physiology Laboratory, Department of Physiology, University of Calcutta, University Colleges of Science and Technology, 92 APC Road, Kolkata: 700009, India.	India
P2-024	P-T02B-0425	02. Exercise B	Effects of differential social contacts between two rats on their motivation for rotatory wheel exercise	Ko Yamanaka	Juntendo University	Japan
P2-025	P-T02B-0501	02. Exercise B	Improvement of cardiopulmonary fitness by a yoga breathing exercise for seniors over 75- A pilot study conducted in superaged communities	Jie Chen	Department of Physiology, National Cheng Kung University	Taiwan
P2-026	P-T02C-0647	02. Exercise C	Effect of sprint interval training on lipid profile in prediabetes	Khaled Mohsin Badaam	Government Medical College	India
P3-001	P-T03A-0149	03. Heart A	Chronic and acute drug-induced cardiotoxicity assessment using in vitro human iPSC-cardiomyocytes	Sonja Stoelzle-Feix	Nanion Technologies	Germany
P3-002	P-T03A-0248	03. Heart A	Insulin signaling is critical for sinoatrial node maintenance and function	Jaetaek Kim	Chung-Ang University	Korea

P3-003	P-T03A-0304	03. Heart A	Requirement of $\beta$ subunit for the reduced voltage-gated Na <sup>+</sup> current of a Brugada syndrome patient having novel double missense mutation (A385T/R504T) of SCN5A	Na Kyeong Park	Department of Physiology, Seoul National University College of Medicine	Korea
P3-004	P-T03A-0305	03. Heart A	Translation reinitiation in c.453delC frameshift mutation of KCNH2 producing functional hERG K <sup>+</sup> channels with mild dominant negative effect in the heterozygote patient-derived iPSC cardiomyocytes	Na Kyeong Park	Department of Physiology, Seoul National University College of Medicine	Korea
P3-005	P-T03A-0437	03. Heart A	Distinct frequency-dependent alterations in local Ca <sup>2+</sup> releases in left atrial versus right atrial myocytes under normal conditions and mechanical stimulus	Joon-Chul Kim	Nexel Co. Ltd.	Korea
P3-006	P-T03A-0445	03. Heart A	A role of TRPM4 in slowing atrial autorhythmic Ca <sup>2+</sup> cycling and its downregulation in failed atrial myocytes	Ha Nam Tran	College of Pharmacy, Chungnam National University	Korea
P3-007	P-T03A-0446	03. Heart A	Modulation of transient outward potassium current by novel SCN5A mutants (p.A385T/R504T): implications for brugada syndrome phenotype	Na Kyeong Park	Seoul National University College of Medicine	Korea
P3-008	P-T03A-0482	03. Heart A	Estrogen regulates transient outward potassium current through GPER under stress in hESC-CMs	Zheng Gong	Xuzhou Medical University	China
P3-009	P-T03A-0499	03. Heart A	Insulin-resistance and nNOS signaling mediate fatty acid-induced inotropy and susceptibility of cardiac arrhythmias in hypertension	Zaihao Zhao	The Affiliated Hospital of Qingdao University	China
P3-010	P-T03A-0527	03. Heart A	Role of myofilament-associated nNOS for Ca <sup>2+</sup> desensitization via troponin I phosphorylation in the right ventricular cardiomyocytes of rats	Jae Won Kwon	Seoul National University College of Medicine	Korea
P3-011	P-T03B-0115	03. Heart B	Deep learning-based simultaneous prediction of dose-response curves for ion channels	Jaekyung Song	Asan Medical Center/University of Ulsan College of Medicine	Korea
P3-012	P-T03B-0510	03. Heart B	Propagation of repolarization in human ventricle revealed in a one-dimensional array of cardiomyocyte model	Yukiko Himeno	Grad Sch Life Sci, Dept Bioinfo, Ritsumeikan Univ	Japan
P3-013	P-T03B-0546	03. Heart B	Evaluation of customized stenting in patients with atherosclerosis	Ayeon Hwang	Department of Physiology, College of Medicine Inje University	Korea
P3-014	P-T03C-0093	03. Heart C	<i>S-Allylcysteine limits cardiac remodelling via antioxidative mechanism in estrogen-deficient rats subjected to myocardial injury</i>	Satirah Zainalabidin	Biomedical Science Program, CORE, Faculty of Health Sciences, Universiti Kebangsaan Malaysia	Malaysia
P3-015	P-T03C-0094	03. Heart C	Impairment in pacemaker function of sinoatrial nodal cells in a mouse model of myocardial steatosis	Yukari Takeda	Department of Integrative and Systems Physiology, Faculty of Medical Sciences, and Life Science Innovation Center, University of Fukui	Japan
P3-016	P-T03C-0515	03. Heart C	CRBNcKO leads to age-dependent cardiac fibrosis and senescence via unbalanced lipid metabolism and AMPK hyperactivation	Hyeong Rok Yun	Inje University College of Medicine	Korea
P3-017	P-T03C-0518	03. Heart C	Evaluation of global and segmental strain in ApoE and APE1/Ref-1 double knockout mice using cardiac magnetic resonance imaging	Sooyeon An	Department of Medical Sciences, School of Medicine, Chungnam National University / Department of Cardiology, Chungnam National University Hospital	Korea
P3-018	P-T03C-0559	03. Heart C	Carvacrol ameliorates cardiac remodelling in doxorubicin-induced cardiotoxicity rat model	Muhamad Adib Abdul Ghani	Universiti Kebangsaan Malaysia	Malaysia
P3-019	P-T03C-0568	03. Heart C	Reduced TRPA1 expression in MCF improves TGF $\beta$ 1-induced cardiac fibrosis	Jessa Flores	Inje University Busan Campus	Korea
P3-020	P-T03C-0571	03. Heart C	Regulation of L-type voltage-dependent Ca <sup>2+</sup> channel by cereblon	Nammi Park	Inje University	Korea
P3-021	P-T03C-0582	03. Heart C	SGLT2 inhibition with empagliflozin ameliorates myocardial mitochondrial dysfunction in diabetic mice heart	Hoai Thi To Nguyen	Inje University	Korea
P3-022	P-T03D-0307	03. Heart D	Arachidonic acid-induced lipid peroxidation causes endosomal rupture in cardiac myoblasts	PinRou Lu	Department of Medicine, Tzu Chi University	Taiwan
P3-023	P-T03D-0442	03. Heart D	Parkin suppresses cardiomyocyte ferroptosis induced by iron overload through the ubiquitination of ACSL4 and the regulation of lipid metabolism	Dandan Xiao	School of Basic Medical Sciences, Qingdao Medical College, Qingdao University	China
P3-024	P-T03D-0487	03. Heart D	The roles of mitochondrial circFBXO25 in cardiac ischemia/reperfusion injury	Yu Wang	Qingdao University	China
P3-025	P-T03D-0505	03. Heart D	The mechanism of intermittent hypoxia regulate ion homeostasis against ischemia reperfusion injury in cardiomyocytes	Ding Jyun Lin	School of Medicine, Tzu Chi University	Taiwan
P3-026	P-T03D-0566	03. Heart D	Tyrosine residue phosphorylation in mitochondrial creatine kinase (CKMT2) protect from cardiac ischemic injury	Maria Victoria Faith Garcia	Department of Health Sciences and Technology, Graduate School of Inje University	Korea
P3-027	P-T03D-0570	03. Heart D	Marine compound neopetroside a protects the heart from ischemic/reperfusion injury through gsk3 $\beta$ inhibition	Jubert Marquez	Inje University	Korea
P3-028	P-T03D-0609	03. Heart D	Zinc overload induces damage to H9c2 cardiomyocyte through mitochondrial dysfunction and ros-mediated mitophagy	Jinkun Xi	North China University of Science and Technology	China
P3-029	P-T03D-0635	03. Heart D	Mechanism of circpum1 in regulating mitol in ferroptosis-mediated myocardial injury	Qi Li	Qingdao University	China
P3-030	P-T03D-0639	03. Heart D	Fisetin and kaempferol protect heart from myocardial ischemia-reperfusion injury through the regulation of ferroptosis	Zhang Kaicheng	Tzu Chi University	Taiwan
P3-031	P-T03E-0295	03. Heart E	Arachidonic acid induces lipid peroxidation and lysosomal membrane permeabilization in H9c2 myoblasts	Hao-Yun Cheng	Tzu Chi University, Taiwan	Taiwan
P3-032	P-T03E-0642	03. Heart E	Effect of cyanocobalamin supplementation on connexin-43 protein levels in the rat cardiac ventricles	Mustika Anggiane Putri	Physiology Department, Faculty of Medicine, Universitas Trisakti, 11440 Jakarta, Indonesia	Indonesia
P3-033	P-T03F-0232	03. Heart F	Cardiac efficiency and starling's law of the heart	June-Chiew Han	The University of Auckland	New Zealand
P3-034	P-T03F-0287	03. Heart F	Cellular ultrastructural remodelling compensates for bioenergetic dysfunction to maintain force production in diabetic heart tissues	Kenneth Tran	University of Auckland	New Zealand
P3-035	P-T03F-0543	03. Heart F	The effect of HK660S on mitochondrial function in diabetic cardiomyopathy	Van Bui Nam	Inje University	Korea
P3-036	P-T03G-0405	03. Heart G	Effects of human TNNT2 overexpression on dilated cardiomyopathy (DCM) pathogenesis in DCM model mice with TNNT2 $\Delta$ K210 mutation	Hirofumi Maetani	The Jikei University School of Medicine	Japan
P3-037	P-T03G-0422	03. Heart G	Pitx2c-conditional knockout mice may become a useful model for understanding the pathogenesis of post-capillary pulmonary hypertension	Daiki Seya	The Jikei University School of Medicine	Japan
P3-038	P-T03G-0572	03. Heart G	Cereblon as potential biomarker for diabetic cardiomyopathy in type 2 diabetes-induced mice	Jeong Rim Ko	InJe University	Korea
P3-039	P-T03G-0640	03. Heart G	Innovative application of artificial intelligence-based skeleton model to detect cardiopulmonary fitness in seniors	Jie Chen	Department of Physiology, National Cheng Kung University, Tainan, Taiwan 70101	Taiwan
P4-001	P-T04A-0133	04. Respiratory Systems A	Acute effects of PM2.5 on airway inflammation in type 2 diabetes mellitus patients in Northern Thailand	Tichanon Promsriruk	Division of Physiology, School of Medical Sciences, University of Phayao	Thailand
P4-002	P-T04D-0233	04. Respiratory Systems D	Effect of air pollution on cardiorespiratory fitness in patients with hypertension in Northern Thailand	Napatr Sriraksa	University of Phayao, Division of Physiology, School of Medical Sciences	Thailand
P4-003	P-T04C-0261	04. Respiratory Systems C	PGE2 and PGD2 signaling pathways mediate the antifibrotic effects of Gas6 in bleomycin-induced lung fibrosis	Ye-ji Lee	Ewha Womans University	Korea
P4-004	P-T04D-0573	04. Respiratory Systems D	Cerebral neural oscillations associated with sensory gating of respiratory mechanosensation	Pei-Ying Chan	Department of Occupational Therapy, College of Medicine, Chang Gung University	Taiwan
P4-005	P-T04D-0625	04. Respiratory Systems D	Production of animal stealth red cells by cell surface modulation	Hyung Kyu Kim	Department of Oral Physiology, School of Dentistry, Kyungpook National University	Korea
P4-006	P-T04D-0646	04. Respiratory Systems D	Effect of chronic hyperglycemia and SGLT 2 inhibitors on the acute lung injury	Rinkoo Yadav	Department of Physiology, Institute of Medical Sciences, Banaras Hindu University	India
P4-007	P-T04D-0648	04. Respiratory Systems D	Pulmonary function test of young healthy high-altitude dwellers in eastern nepal	Rita Khadka	B. P. Koirala Institute of Health Sciences	Nepal
P5-001	P-T05E-0036	05. Circulatory system E	Antidiabetic drug omarigliptin induces vasodilation via Kv channels and SERCA pump activation in rabbit aorta	Minju Park	Kangwon National University, School of Medicine	Korea
P5-002	P-T05B-0035	05. Circulatory system B	Antimuscarinic drug fesoterodine induces inhibition of voltage-dependent K <sup>+</sup> channels in freshly isolated coronary arterial smooth muscle cells	Seo-Yeong Mun	Kangwon National University School of Medicine	Korea
P5-003	P-T05E-0039	05. Circulatory system E	Atypical antipsychotic paliperidone induces inhibition of voltage-dependent K <sup>+</sup> currents of rabbit coronary arterial smooth muscle cells	Seo-Yeong Mun	Kangwon National University School of Medicine	Korea
P5-004	P-T05E-0037	05. Circulatory system E	Vasorelaxant mechanisms of the antidiabetic anagliptin in rabbit aorta: roles of Kv channels and SERCA pump	Minju Park	Kangwon National University, School of Medicine	Korea

P5-005	P-T05B-0038	05. Circulatory system B	Antipsychytic lurasidone induces inhibition of voltage-gated K+ channels in coronary arterial smooth muscle cells	Wenwen Zhuang	Kangwon National University	Korea
P5-006	P-T05E-0040	05. Circulatory system E	A muscarinic acetylcholine receptor inhibitor benztropine blocks the voltage-dependent K+ channels in rabbit coronary arterial smooth muscle cells	Wenwen Zhuang	Kangwon National University	Korea
P5-007	P-T05B-0041	05. Circulatory system B	The vasodilatory mechanisms of DPP-4 anti-diabetic drug trelagliptin in rabbit aorta	Junsu Jeong	Kangwon National University School of Medicine	Korea
P5-008	P-T05E-0042	05. Circulatory system E	Encainide, a class Ic anti-arrhythmic agent, blocks voltage-dependent potassium channels in coronary artery smooth muscle cells	Junsu Jeong	Kangwon National University School of Medicine	Korea
P5-009	P-T05C-0055	05. Circulatory system C	Immature cell-cell contact and increased activity of store-operated Ca2+ entry in senescent vascular endothelial cells	Katsuya Hirano	Kagawa University, Faculty of Medicine	Japan
P5-010	P-T05B-0225	05. Circulatory system B	The connection between resveratrol and early closure of fetal ductus arteriosus	Masashi Kogo	The Jikei University	Japan
P5-011	P-T05D-0250	05. Circulatory system D	Slower relaxation of pulmonary artery than mesenteric artery in rats and the differential expression of myosin light chain phosphorylation regulating enzymes	Seung Beom Oh	Department of Biomedical Sciences, Seoul National University College of Medicine	Korea
P5-012	P-T05B-0337	05. Circulatory system B	Enhanced carotid flow-mediated dilation (cFMD) following carotid endarterectomy	Raden Argarini	Department of Medical Physiology and Biochemistry, Faculty of Medicine, Airlangga University; Cardiovascular Research Group, School of Human Sciences (Exercise and Sport Science), The University of Western Australia	Indonesia
P5-013	P-T05D-0395	05. Circulatory system D	Relation between shift work and endothelial dysfunction in female health workers in hospital: study on resistin, leukocytes, monocytes, microparticles endothelial and cyclic guanosine monophosphate	Ike Alie	Department Physiology, Faculty of Medicine Universitas Islam Bandung	Indonesia
P5-014	P-T05B-0398	05. Circulatory system B	The forgotten circulation: sympathetic control of mesenteric venous capacity in conscious hypertensive rats	Fiona McBryde	University of Auckland	New Zealand
P5-015	P-T05B-0431	05. Circulatory system B	Vasodilatory effects of ginsenoside Rg3 against alpha-adrenergic constriction in ovariectomized rats	Sei Kim	Department of Nursing, Graduate School, Chung-Ang University	Korea
P5-016	P-T05D-0466	05. Circulatory system D	Finasteride prevents neointimal hyperplasia and affects vascular smooth muscle cells proliferation, migration, and apoptosis.	Jeongsook Kim	Department of Physiology, College of Veterinary Medicine, Chungnam National University	Korea
P5-017	P-T05D-0484	05. Circulatory system D	Regulation of angiogenic-associated genes by mir-196a-5p in human umbilical vein endothelial cells exposed to hypertensive pregnancies	Adila A Hamid	Department of Physiology, Faculty of Medicine, Universiti Kebangsaan Malaysia	Malaysia
P5-018	P-T05D-0500	05. Circulatory system D	The potential mechanism of resistin on endothelial dysfunction through cGMP and endothelial microparticle markers CD 31 and CD 62e	Ike Alie	Department Physiology, Faculty of Medicine Universitas Islam Bandung	Indonesia
P5-019	P-T05G-0503	05. Circulatory system G	A novel quinazoline derivative exhibits selective vasodilation targeting systemic vasculature with promising hypotensive effect and low hepatotoxicity	Usana Chatturong	Department of Physiology, Faculty of Medical Science and Center of Excellence for Innovation in Chemistry, Naresuan University	Thailand
P5-020	P-T05D-0504	05. Circulatory system D	Opisthenar microvascular area is a better predictor over arterial stiffness of disease severity in acute coronary syndrome patients	Chen Chen	Yanbian University	China
P5-021	P-T05A-0636	05. Circulatory system A	WITHDRAW	Kate Hsu	MacKay Memorial Hospital	Taiwan
P6-001	P-T06A-0146	06. Endocrine, Reproduction A	Alterations of leptin and metabolism induced by ablation of the bitter taste receptor gene	Kyung-Nyun Kim	Gangneung-Wonju National University	Korea
P6-002	P-T06A-0280	06. Endocrine, Reproduction A	Amphetamine acts through the melanocortin system to regulate metabolism and cardiovascular function	Stephanie Simonds	Monash University	Australia
P6-003	P-T06A-0620	06. Endocrine, Reproduction A	Identifying the role of LETMD1 in maintaining brown adipose tissue adaptive thermogenesis	Sang Heon Lee	KAIST	Korea
P6-004	P-T06B-0212	06. Endocrine, Reproduction B	Protein kinase D 1/2 and the scaffold protein Na+/H+ exchanger regulatory factor 1 mediate hypoxia-induced Vegfa expression in 3T3-L1 adipocytes	Ying-Yu Wu	Chang Gung University	Taiwan
P6-005	P-T06B-0257	06. Endocrine, Reproduction B	Adipocyte copper import via CTR1 is essential for non-shivering thermogenesis	Youngseung Lee	Chonnam National University	Korea
P6-006	P-T06B-0334	06. Endocrine, Reproduction B	Ginsenoside compound K promotes thermogenic signature of white adipose via mitochondrial dynamics and biogenesis.	Jung-Mi Oh	Department of Physiology,Jeonbuk National University Medical School	Korea
P6-007	P-T06B-0342	06. Endocrine, Reproduction B	AdipoArea software based on deep learning techniques improving the precision of adipocyte size assessment	Sungkun Chun	Department of Physiology, Jeonbuk National University Medical School	Korea
P6-008	P-T06B-0386	06. Endocrine, Reproduction B	GDF15 regulates fat metabolism and induces foamy macrophage in adipose tissue in chronic alcohol consumption	Min Jeong Kim	Korea Advanced Institute of Science and Technology (KAIST)	Korea
P6-009	P-T06B-0452	06. Endocrine, Reproduction B	RNA binding protein HuR is essential for adaptive thermogenesis	Kun-Young Park	KAIST	Korea
P6-010	P-T06B-0514	06. Endocrine, Reproduction B	Inhibition of lactate dehydrogenase a stimulates lipid catabolism and thermogenesis via AMPK activation in mouse brown adipose tissue	Sookyung Lee	Department of Physiology, Yonsei University Wonju College of Medicine	Korea
P6-011	P-T06B-0542	06. Endocrine, Reproduction B	Tracking of human adipocyte differentiation process and lipid-droplet quantification using low-coherence holotomography	Hye-Jin Kim	Tomocube Inc.	Korea
P6-012	P-T06B-0627	06. Endocrine, Reproduction B	AAV-mediated Fndc5 gene therapy targeting skeletal muscle does not facilitate iWAT browning in mice	Bernadette Bagon	Department of Veterinary Physiology, College of Veterinary Medicine, Chonnam National University	Korea
P6-013	P-T06C-0064	06. Endocrine, Reproduction C	Improvement of acetylsalicylic acid on high level glucose induced damage in pancreatic beta cells	Yu-Shan Hsieh	School of Nursing, National Taipei University of Nursing and Health Sciences	Taiwan
P6-014	P-T06C-0461	06. Endocrine, Reproduction C	Effects of fatty acid exposure on insulin secretion and role of Nrf2 in pancreatic beta cells	Yuta Kato	Ritsumeikan University	Japan
P6-015	P-T06D-0207	06. Endocrine, Reproduction D	The impacts of NPFFR2 deletion on obesity-induced insulin resistance and metabolic symptoms	Ya-Tin Lin	Graduate Institute of Metabolism and Obesity Sciences, Taipei Medical University	Taiwan
P6-016	P-T06D-0608	06. Endocrine, Reproduction D	Liver receptor homolog-1 mediated mechanism of cystathionine gamma-lyase in the liver	Soo-Young Park	Keimyung University School of Medicine	Korea
P6-017	P-T06D-0613	06. Endocrine, Reproduction D	LRH-1 regulates hepatic triglycerides through BHMT in the fasting liver	Hee-Kyung Han	Department of Physiology, Keimyung University School of Medicine	Korea
P6-018	P-T06E-0375	06. Endocrine, Reproduction E	Imatinib decreased dexamethasone-induced pancreatic β-cell apoptosis via the reduction of GSTP1	Suwattanee Kooptiwut	Mahidol University	Thailand
P6-019	P-T06E-0481	06. Endocrine, Reproduction E	Long-term testosterone effects on small-conductance Ca2+-activated K+ currents and expression in human coronary artery endothelial cells	Katesirin Ruamyod	Department of Physiology, Faculty of Medicine Siriraj Hospital, Mahidol University	Thailand
P6-020	P-T06E-0496	06. Endocrine, Reproduction E	Genistein protects against dexamethasone-induced pancreatic β-cell apoptosis through reducing er stress and txnip expression	Nattinee Jitprawet	Faculty of Public Health and Allied Health Sciences, Praboromarajchanok Institute, Ministry of Public Health	Thailand
P6-021	P-T06F-0545	06. Endocrine, Reproduction F	Novel biomarkers for diabetic cardiomyopathy FABP3 and IGFB7	Mario Albino Sozinho Indarua	Inje University	Korea
P6-022	P-T06H-0567	06. Endocrine, Reproduction H	Perfluorooctanoic acid suppressed the GABAA receptor-mediated activity in gonadotropin-releasing hormone neurons	Santosh Rijal	Department of Oral Physiology, School of Dentistry & Institute of Oral Bioscience, Jeonbuk National University	Korea
P6-023	P-T06I-0164	06. Endocrine, Reproduction I	KISS-1 can inhibit the invasion of ectopic endometrium in mice endometriosis disease model	Lingnan Kong	Sichuan University	China
P6-024	P-T06I-0197	06. Endocrine, Reproduction I	The effects of physical exercise and growth hormone on the expression of follicle stimulating hormone receptors in ovarian granulosa cells, and number of ovary follicles of wistar (rattus norvegicus) perimenopause.	Luh Putu Ratna Sundari	Udayana University	Indonesia
P6-025	P-T06I-0469	06. Endocrine, Reproduction I	Acute cadmium exposure impairs ion homeostasis of boar spermatozoa In Vitro	Akila Cooray	Department of Physiology, College of Veterinary Medicine, Chungnam National University	Korea
P6-026	P-T06I-0507	06. Endocrine, Reproduction I	Characteristics of breastfeeding mothers with lactational mastitis at the Indonesian Breastfeeding Mothers Association in 2022	Stella Tinia Hasianna	Doctoral Program of Medical Sciences, Faculty of Medicine, Universitas Padjadjaran	Indonesia
P6-027	P-T06J-0044	06. Endocrine, Reproduction J	Description of radioactive iodine (RAI) results therapy in patients with well-differentiated thyroid carcinoma (WDTC) at dadi regional hospital and sandi karsa hospital makassar of south sulawesi	Nurmila A	University Muhammadiyah Makassar	Indonesia
P6-028	P-T06J-0271	06. Endocrine, Reproduction J	Protective effects and mechanism of 17β- estradiol and progesterone on cardiomyocytes damaged by high glucose and insulin resistance	Hongfang Li	Lanzhou University	China
P6-029	P-T06J-0592	06. Endocrine, Reproduction J	Association of mucin-1 with peripheral diabetic neuropathy in Type 2 Diabetes	Jae-Hyung Park	Keimyung University School of Medicine	Korea
P6-030	P-T06J-0594	06. Endocrine, Reproduction J	Role of protein z in Type 2 Diabetes	Jae-Hyung Park	Keimyung University School of Medicine	Korea
P6-031	P-T06K-0205	06. Endocrine, Reproduction K	The event of cataract incidence in patients with history of diabetes mellitus at tarakan hospital, central Jakarta in 2020	Diniwati Mukhtar	Yarsi University Jakarta	Indonesia



P6-032	P-T06K-0323	06. Endocrine, Reproduction K	A combination of dapagliflozin and metformin ameliorates diabetic nephropathy by suppressing oxidative stress, inflammation, apoptosis, and activating autophagy in diabetic rats	Krit Jaikumkao	Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University	Thailand
P6-033	P-T06L-0262	06. Endocrine, Reproduction L	Hypothalamic FGF1 regulates systemic glucose and energy homeostasis	Hyemi Shin	KAIST GSMSE	Korea
P6-034	P-T06L-0483	06. Endocrine, Reproduction L	Liver coxsackievirus and adenovirus receptor disruption develop nonalcoholic fatty liver diseases	Byung-Kwan Lim	Jungwon University	Korea
P6-035	P-T06L-0578	06. Endocrine, Reproduction L	Neddylation attains bone homeostasis by regulating osteoclastogenesis and osteoblastogenesis.	Jooseung Lee	Department of Biomedical Sciences, Seoul National University College of Medicine	Korea
P6-036	P-T06L-0587	06. Endocrine, Reproduction L	Effects of cannabidiol on primary bone cells from skeletally mature ovariectomized rats	Krittikan Chanpaisaeng	National Science and Technology Development Agency	Thailand
P6-037	P-T06M-0428	06. Endocrine, Reproduction M	The association between body physiologic parameters and rate pressure product (RPP) in young adults with obesity and overweight	Nurma Yuliyanasari	Universitas Airlangga, Universitas Muhammadiyah Surabaya	Indonesia
P6-038	P-T06M-0441	06. Endocrine, Reproduction M	Effect of lunar phases on neutrophil-to-lymphocyte ratio in type-2 diabetic subjects	Sutanu Dutta Chowdhury	Department Of Physiology, Basirhat College	India
P7-001	P-T07A-0123	07. Neuroscience A	Transcription factor ZFH3 arrests cell cycle inducing oligodendrocyte differentiation	Cha-Gyun Jung	Department of Neurophysiology and Brain Science, Nagoya City University Graduate School of Medical Sciences	Japan
P7-002	P-T07A-0181	07. Neuroscience A	Sustained activation of canonical transient receptor potential ion channels in excitotoxicity brain injury models	Gary D. Housley	Department of Physiology & Translational Neuroscience Facility, School of Biomedical Sciences	Australia
P7-003	P-T07A-0186	07. Neuroscience A	γ-TuRC regulates radial migration and neuronal maturation during mammalian cortical development	Jen-Hsuan Wei	Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan	Taiwan
P7-004	P-T07A-0192	07. Neuroscience A	VPS13B regulates morphology of mitochondria and mitophagy	Jin-A Lee	Hannam University	Korea
P7-005	P-T07A-0247	07. Neuroscience A	Increased intrinsic excitability of neurons in the prefrontal cortex by prenatal exposure to high cortisol downregulating dopaminergic and PKA-mediated signaling cascades in rats	Hye-Ji Kim	Department of Physiology, College of Medicine, Jeju National University	Korea
P7-006	P-T07A-0312	07. Neuroscience A	KCC2 downregulation after sciatic nerve injury enhances motor function recovery	Dennis Lawrence Cheung	The National Institute for Physiological Sciences	Japan
P7-007	P-T07A-0387	07. Neuroscience A	Macrophage-derived cathepsin S promotes axon regeneration via fibroblasts after peripheral nerve injury	Eri Oshima	Showa University School of Dentistry	Japan
P7-008	P-T07A-0548	07. Neuroscience A	Developmental up-regulation of voltage-gated Na+ channel and its electrophysiological function in rat hippocampal neurons	Jin Nyeong Woo	DGIST	Korea
P7-009	P-T07B-0026	07. Neuroscience B	Rapid astrocyte-dependent facilitation amplifies multi-vesicular release in hippocampal synapses	Jongyun Myeong	Washington University	USA
P7-010	P-T07B-0048	07. Neuroscience B	Modulation of immune function by glutamatergic neurons in the cerebellar interposed nucleus via hypothalamic and sympathetic pathways	Fen-Fen Xu	Nantong University	China
P7-011	P-T07B-0090	07. Neuroscience B	The intracellular C-terminal domain of mGluR6 works as a signal for ER retention	Makoto Kaneda	Department of Physiology, Nippon Medical School	Japan
P7-012	P-T07B-0091	07. Neuroscience B	Starburst amacrine cells form gap junctions with other cell types in early postnatal stage of the mouse retina	Makoto Kaneda	Department of Physiology, Nippon Medical School	Japan
P7-013	P-T07B-0335	07. Neuroscience B	Activity-dependent regulation of tonic firing rate by TRPC3 channels in SNc dopamine neurons	Ki Bum Um	Astrogen Inc.	Korea
P7-014	P-T07B-0384	07. Neuroscience B	The exploration of the detecting methods for new psychoactive substances (NPS) using synaptic receptors	Yu Yeong Jeong	Chungnam University / Korea institute of toxicology(KIT)	Korea
P7-015	P-T07B-0407	07. Neuroscience B	Bicarbonate permeability of synaptic GABAAR mediates neuronal excitation	Dong Hoon Shin	Department of Pharmacology, Yonsei University College of Medicine	Korea
P7-016	P-T07B-0498	07. Neuroscience B	NR2D-subunit containing NMDARs recall in hippocampal GABAergic interneurons regulates E/I balance in epileptic hippocampus	Ramesh Sharma	Laboratory of Veterinary Pharmacology, College of Veterinary Medicine and Research Institute for Veterinary Science, Seoul National University	Korea
P7-017	P-T07C-0306	07. Neuroscience C	Role of IFN-γ expression in trigeminal ganglion neurons in orofacial neuropathic pain	Momoyo Kobayashi	Nihon University School of Dentistry	Japan
P7-018	P-T07C-0471	07. Neuroscience C	Licochalcone a attenuates NMDA-induced synaptic degeneration	Jae Soo Kim	Dankook University	Korea
P7-019	P-T07C-0477	07. Neuroscience C	Activation of folate receptor 1, which was upregulated by high glucose, inhibited mitochondrial oxidative stress through Nrf2, thereby suppressing amyloidogenesis.	Dae Hyun Kim	Chungbuk National University	Korea
P7-020	P-T07D-0049	07. Neuroscience D	IL-17A exacerbates neuroinflammation and neurodegeneration by activating	Zhan Liu	Medicine of School, Nantong University	China
P7-021	P-T07D-0153	07. Neuroscience D	Special neuro-glia-vascular interactions in different brain regions uncovered through the use of classical and advanced microscopy	Ayal Ben-Zvi	Hebrew University of Jerusalem	Israel
P7-022	P-T07D-0203	07. Neuroscience D	Role of astrocyte-secreted lipocalin 2 in a mouse model of hepatic	Ching-Yi Tsai	Institute for Translational Research in Biomedicine, Kaohsiung Chang Gung Memorial Hospital	Taiwan
P7-023	P-T07D-0206	07. Neuroscience D	Oligodendrocyte precursor cells shape inhibition in medial prefrontal cortex	Xianshu Bai	University of Saarland	Germany
P7-024	P-T07D-0222	07. Neuroscience D	Alleviative effect of pinostrobin from Boesenbergia rotunda (L.) against scopolamine-induced the alteration of glial cells and glutamate receptor in the medial prefrontal cortex	Nuttakorn Baisaeng	Department of Pharmaceutical Technology, School of Pharmaceutical Sciences, University of Phayao	Thailand
P7-025	P-T07D-0223	07. Neuroscience D	Structural alterations of glial cells associated with the disturbances of glutamatergic signaling within the hippocampus following acute stress and chronic restraint stress.	Ratchaniporn Kongsui	Division of Physiology, School of Medical Sciences, University of Phayao	Thailand
P7-026	P-T07D-0293	07. Neuroscience D	Astrocytic PAR1 and mGluR2/3 control synaptic glutamate time course at hippocampal CA1 synapses	Woo Suk Roh	Department of Biological Sciences, Chungnam National University	Korea
P7-027	P-T07D-0344	07. Neuroscience D	Visualizing astrocyte-neuron contacts with eGRASP	HyoJin Park	School of Biological Sciences, Seoul National University	Korea
P7-028	P-T07D-0381	07. Neuroscience D	Role of astrocyte-specific TTF-1 in high-fat-diet-induced hypothalamic inflammation	Jin Woo Kim	University of Ulsan	Korea
P7-029	P-T07D-0401	07. Neuroscience D	Mancozeb induces atrophy through inhibition of store-operate Ca2+ Entry (SOCE) in astrocyte	Ye-Ji Kim	Department of Advanced Toxicology Research, Korea Institute of Toxicology, Daejeon, Republic of Korea / Department of Human and Environmental Toxicology, University of Science and Technology	Korea
P7-030	P-T07D-0486	07. Neuroscience D	Traumatic brain injury causes cognitive deficits via modulating gut microbiota and neuroinflammation and microglia responses	Ching-Ping Chang	Department of Medical Research, Chi Mei Medical Center	Taiwan
P7-031	P-T07D-0520	07. Neuroscience D	Assessment of dendritic growth in transwell co-culture of sympathetic neurons with homotypic and heterotypic glia	Seong Jun Kang	Department of Physiology, Laboratory of Molecular Neurophysiology, Yonsei University Wonju College of Medicine	Korea
P7-032	P-T07D-0528	07. Neuroscience D	The inwardly rectifying potassium channel, Kir4.1-mediated calcium signaling in the satellite glial cells of sympathetic ganglia under hypokalemic condition: its molecular mechanism and functional consequence.	Huu Son Nguyen	Department of Physiology, Laboratory of Molecular Neurophysiology, Yonsei University Wonju College of Medicine	Korea
P7-033	P-T07D-0634	07. Neuroscience D	Acute stress decreases cerebellar tonic inhibition and enhances motor function	Jinhyeong Joo	Center for Cognition and Sociality, Institute for Basic Science(IBS)	Korea
P7-034	P-T07E-0201	07. Neuroscience E	Correlations of molecularly defined cortical interneuron populations with morpho-electric properties	Yong-Chun Yu	Fudan University	China
P7-035	P-T07E-0264	07. Neuroscience E	Beta frequency dynamics in the frontal cortex and neuropharmacological potential of indian cork flower tea during thiopental-induced sleep in mice	Nifareeda Samerphob	Prince of Songkla University	Thailand
P7-036	P-T07E-0273	07. Neuroscience E	Lateral part of the interstitial nucleus of the anterior commissure (IPACL) CRF neurons promote wakefulness in mice	Chijung Hung	Research Institute of Environmental Medicine, Nagoya University	Japan
P7-037	P-T07E-0294	07. Neuroscience E	Significance of lateral habenula glutamate projection and miR-199a-3p/NEDD4 signaling on methamphetamine addiction	Zi-Han Wang	Chang Gung University	Taiwan
P7-038	P-T07E-0585	07. Neuroscience E	Excitatory paths between inhibitory and pyramidal neurons enable network reverberation and epileptogenesis	Ya-Chin Yang	Chang Gung University	Taiwan
P7-039	P-T07E-0618	07. Neuroscience E	A hypothalamus-habenula circuit regulates psychomotor responses induced by cocaine.	DanBi Ahn	Yonsei University, Daegu Haany University	Korea
P7-040	P-T07F-0118	07. Neuroscience F	Transmittance measurements of the extremely low birth weight infant's head by near-infrared time-resolved spectroscopy	Toshiyuki Imanishi	Division of Neonatology, Department of Maternal and Perinatal Center, Saitama Children's Medical Center	Japan
P7-041	P-T07F-0506	07. Neuroscience F	Brain micro-anatomy revealed by 2-photon shadow imaging in vivo	Yulia Dembitskaya	Interdisciplinary Institute for Neuroscience, University of Bordeaux/CNRS	France

P7-042	P-T07G-0274	07. Neuroscience G	Mitochondrial calcium uniporter mediates odor learning and memory through neuropeptide release in <i>C. elegans</i>	Hee Kyung Lee	Yonsei University Wonju College of Medicine	Korea
P7-043	P-T07G-0324	07. Neuroscience G	The increase of exosome secretion after Intracerebral hemorrhage induce delayed onset cognitive impairment	JongHun An	1. Department of Biochemistry, Chungnam National University School of Medicine; 2. Department of Medical Science, Chungnam National University School of Medicine; 3. Infection Control Convergence Research Center, Chungnam National University School of Medicine; 4. Brain Korea	Korea
P7-044	P-T07G-0343	07. Neuroscience G	Examining the Involvement of the Ventral Hippocampus to Basal Amygdala Circuit in Shaping Contextual Fear Memories	Yejin Jung	Seoul National University	Korea
P7-045	P-T07G-0345	07. Neuroscience G	DKK2 regulates adult neurogenesis in hippocampal dentate gyrus by modulating WNT-JNK signaling	Woo Seok Song	Department Of Physiology And Biomedical Sciences, Seoul National University College Of Medicine	Korea
P7-046	P-T07G-0438	07. Neuroscience G	c-Fos activity in the medulla oblongata of winners and losers in the tube test competition task of rats	Ayaka Takada	Juntendo University	Japan
P7-047	P-T07G-0491	07. Neuroscience G	Effects of curcumin and gamma-oryzanol solid dispersion on learning and memory of middle-aged rats	Onrawee Khongsombat	Department of Physiology, Faculty of Medical Science, Naresuan University	Thailand
P7-048	P-T07G-0626	07. Neuroscience G	Postnatal Development of Hippocampal Function: Contextual Learning Performance Correlates with Pathway-Specific Plasticity at Hippocampal CA1 Synapses	Yuheng Yang	Yamaguchi University Graduate School of Medicine	Japan
P7-049	P-T07H-0321	07. Neuroscience H	Finding clinical indicator for evaluating sleep quality of non-invasive core temperature changes with polysomnography	Kyunyong Park	Department of Physiology, College of Medicine, Catholic Kwandong University	Korea
P7-050	P-T07I-0284	07. Neuroscience I	Immunotherapy targeting plasma ASM is protective in a mouse model of alzheimer's disease	Byung Jo Choi	Department of Physiology, School of Medicine, Kyungpook National University	Korea
P7-051	P-T07I-0285	07. Neuroscience I	Discovery of a novel dual-action small molecule that improves multiple Alzheimer's disease pathologies	Kang Ho Park	Department of Physiology, School of Medicine, Kyungpook National University	Korea
P7-052	P-T07I-0298	07. Neuroscience I	UPRmt mediates anti-inflammatory response for attenuation of kaolin-induced hydrocephalus	Jiebo Zhu	1. Department of Medical science, Chungnam National University School of Medicine 2. Department of Biochemistry, Chungnam National University School of Medicine 3. Brain Korea 21 FOUR Project for Medical Science, Chungnam National University School of Medicine	Korea
P7-053	P-T07I-0317	07. Neuroscience I	Amyloid $\beta$ -induced upregulation of TREK channels mediate cognitive deficits	Yoonsub Kim	Gyeongsang National University	Korea
P7-054	P-T07I-0367	07. Neuroscience I	Neuroprotective effect of neuropeptide-w against hypoxic-ischemic brain damage in newborn rats	Türkan Koyuncuoğlu	Marmara University, School of Medicine, Department of Physiology, Istanbul, Turkey, Biruni University, School of Medicine, Department of Physiology	Turkey
P7-055	P-T07I-0369	07. Neuroscience I	Released glutamate through Best1 induces invasion, migration and low cell density of GBM	Jae Hong Yoo	Department of Biological Science, Chungnam National University	Korea
P7-056	P-T07I-0371	07. Neuroscience I	Glutamate via system xc <sup>-</sup> induces invasion in glioblastoma	Baik Jiyeon	Department of Biological Sciences, Chungnam National University	Korea
P7-057	P-T07I-0376	07. Neuroscience I	A novel NMDA receptor modulator rises a new hope for the treatment of multiple system atrophy: From preclinical models to patients	Da-Zhong Luo	National Taiwan University	Taiwan
P7-058	P-T07I-0380	07. Neuroscience I	Decipher the role of aryl hydrocarbon receptors in aromatic-uremic toxins induced cognitive disorder	Jenq-Lin Yang	Kaohsiung Chang Gung Memorial Hospital	Taiwan
P7-059	P-T07I-0389	07. Neuroscience I	The Interplay between Olfactory Impairment and Cognitive Decline in an Alzheimer's Disease Mouse Model	Hsu Fang-Yu	National Cheng Kung University	Taiwan
P7-060	P-T07I-0397	07. Neuroscience I	The potential therapeutic effects of cannabidiol encapsulated lipid-nanoparticles for Parkinson's disease with diabetes in a rat model with cognitive impairment	Sarawut Lapmanee	Faculty of Medicine, Siam University	Thailand
P7-061	P-T07I-0413	07. Neuroscience I	Naringin enhances long-term potentiation and recovers learning and memory deficits of amyloid-beta induced alzheimer's disease-like behavioral rat model	In-Seo Lee	Kyung Hee University	Korea
P7-062	P-T07I-0432	07. Neuroscience I	Potential effects of short-term mindful awareness practice in improving neuroprotection among individuals with mild cognitive impairment	Moe Thida Kyaw	Lecturer, International Medical University	Malaysia
P7-063	P-T07I-0463	07. Neuroscience I	The impact of dapoxetine on pilocarpine-induced status epilepticus	Mi-Hye Kim	Dankook University	Korea
P7-064	P-T07I-0465	07. Neuroscience I	The effect of obesity on pilocarpine-induced status epilepticus	Gwang Seok Lee	Dankook University	Korea
P7-065	P-T07I-0470	07. Neuroscience I	Effects of near infrared laser therapy in an In vitro model of alzheimer's disease	Min ji Kim	Dankook University	Korea
P7-066	P-T07I-0508	07. Neuroscience I	Therapeutic effects of Delta-9-tetrahyrocannabinol ( $\Delta$ 9THC) as Alzheimer's disease pharmacotherapy: Behavioral and neuronal changes in hippocampus in induced rat model	Arisha Abdullah Mas'od	Universiti Teknologi MARA Puncak Alam campus	Malaysia
P7-067	P-T07J-0004	07. Neuroscience J	<i>Crif1</i> deficiency in dopamine neurons triggers early-onset parkinsonism by causing mitochondrial dysfunction	Hyun Ju Choi	Chung Nam National University	Korea
P7-068	P-T07J-0058	07. Neuroscience J	AST-001 improves social deficits by restoring dopamine neuron activity in VPA-induced ASD models	Ki Bum Um	Astrogen Inc.	Korea
P7-069	P-T07J-0100	07. Neuroscience J	Activation of KATP channel in brown adipose tissue attenuates depression-like symptoms through dopaminergic neurons in the ventral tegmental area	Pei-Chun Chen	National Cheng Kung University	Taiwan
P7-070	P-T07J-0166	07. Neuroscience J	The lateralization effect of dorsal insular cortex and rostral ventrolateral medulla on cardiovascular function in focal stroke	Yun Hsu	National Cheng Kung University	Taiwan
P7-071	P-T07J-0170	07. Neuroscience J	Investigation of curcumin treatment on neuropsychiatric symptoms and microstructural changes in a tuberous sclerosis complex mouse model	Christine Chin-jung Hsieh	Biomedical Translation Research Center	Taiwan
P7-072	P-T07J-0260	07. Neuroscience J	Global cerebral ischemia-induced depression associated with altered neuronal excitability in the infralimbic cortex layer 2/3 pyramidal neurons	Dong Cheol Jang	Department of Physiology, College of Korean Medicine, Kyung Hee University	Korea
P7-073	P-T07J-0288	07. Neuroscience J	The NAD <sup>+</sup> /NADH ratio regulates the invasion of Glioblastoma	Myunghoon Lee	Department of Biological Sciences, Chungnam National University	Korea
P7-074	P-T07J-0289	07. Neuroscience J	The modulation of mitochondrial function with increase of NAD/NADH ratio protects blood-brain barrier disruption in acute brain injury	Min Joung Lee	Department of Biochemistry, Chungnam National University School of Medicine	Korea
P7-075	P-T07J-0297	07. Neuroscience J	Promising effects of CBD-loaded nanolipid carriers in reduction of anxiety- and panic-like behaviors and hippocampal cell death in immobilization-stressed rats	Somkiat Sarachat	Department of Basic Medical Sciences, Faculty of Medicine, Siam University	Thailand
P7-076	P-T07J-0299	07. Neuroscience J	Alterations of mechanical bone properties in high emotionality stressed rats treated with atomoxetine	Chayuda Tangsripongkul	Department of Basic Medical Sciences, Faculty of Medicine, Siam University	Thailand
P7-077	P-T07J-0313	07. Neuroscience J	Vagus nerve mediates anxiety-like behavior in streptozotocin-induced type 1 diabetic mice	Hyun Joo Choi	Department of Biochemistry, Chungnam National University School of Medicine; Department of Medical Science, Chungnam National University School of Medicine; Brain Korea 21 FOUR Project for Medical Science, Chungnam National University	Korea
P7-078	P-T07J-0314	07. Neuroscience J	Enhancement of mitochondrial hormesis attenuates anxiety-like behavior	Chang Hee Pyo	Department of Biochemistry, Chungnam National University School of Medicine; Department of Medical Science, Chungnam National University School of Medicine; Infection Control Convergence Research Center, Chungnam National University School of Medicine; Brain Korea 21	Korea
P7-079	P-T07J-0325	07. Neuroscience J	Testing a novel NMDA receptor modulator for unmet medical needs in the treatment of schizophrenia: from preclinical models to clinical testing	Da-Zhong Luo	National Taiwan University	Taiwan
P7-080	P-T07J-0341	07. Neuroscience J	Abnormalities in primary cilia formation through chronic social defeat stress may contribute to the onset of schizophrenia	Sungkun Chun	Department of Physiology, Jeonbuk National University Medical School	Korea
P7-081	P-T07J-0346	07. Neuroscience J	Spontaneous hyperactivity does not limit electrically-evoked RGC spikes in degenerate retina	Daejin Park	Vision Science Lab, CBNU Medical school	Korea
P7-082	P-T07J-0417	07. Neuroscience J	The impact of stress on observational fear learning in mice	Yu-Ya Liao	National Central University	Taiwan
P7-083	P-T07J-0418	07. Neuroscience J	Social network index, perceived stress scale and geriatric depression scale among elderly persons in magway township, Myanmar	Soe-Minn Htway	University of Medicine, Magway	Myanmar
P7-084	P-T07L-0050	07. Neuroscience L	Optogenetic gamma stimulation of primary somatosensory cortex modulate neuronal activity in the spinal dorsal horn and induce allodynia-like behavior in mice	Tomofumi Otsuki	System Emotional Science, Faculty of Medicine, University of Toyama, Graduate school of Innovative Life Science, University of Toyama	Japan
P7-085	P-T07L-0120	07. Neuroscience L	Central angiotensin II modulates different pain pathway through its two receptors	Jo-Young Son	Kyungpook National University	Korea
P7-086	P-T07L-0128	07. Neuroscience L	Peripheral Gpr35 activation modulates dermatitis and pruritus	Chaeun Kim	Department of Biomedical Sciences and Department of Physiology, College of Medicine, Korea University	Korea
P7-087	P-T07L-0129	07. Neuroscience L	Multiple downstream signals of Gpr83 activation differentially control nociceptor excitabilities	Chaeun Kim	Department of Biomedical Sciences and Department of Physiology, College of Medicine, Korea University	Korea
P7-088	P-T07L-0130	07. Neuroscience L	Pharmacologically inhibiting Il6st/gp130 results in improvement of dermatological inflammation and pruritus.	Minseok Kim	Department of Biomedical Sciences and Department of Physiology, College of Medicine	Korea
P7-089	P-T07L-0229	07. Neuroscience L	Neuromodulatory effect of zerumbone on alpha-2A adrenoceptor, NMDA N2B receptor and TRPV1 channel in in silico and in vitro model of neuropathic pain	Noor Aishah Mohammed Izham	Management and Science University	Malaysia

P7-090	P-T07L-0263	07. Neuroscience L	Multiplexed representation of itch and pain and their interaction in the primary somatosensory cortex	Seunghui Woo	Department of Science in Korean Medicine, Graduate School, Kyung Hee University	Korea
P7-091	P-T07L-0266	07. Neuroscience L	Amyloid beta 1-42 modulates heat pain sensitivity in aged mice through TRPV1 inhibition via the LRP1-SHP2 pathway	Jueun Roh	Gachon Pain Center and Department of Physiology, College of Medicine, Gachon University	Korea
P7-092	P-T07L-0269	07. Neuroscience L	The role of IL-33 in the trigeminal ganglion in orofacial neuropathic pain	Yosuke Ikehata	Department of Oral and Maxillofacial Surgery, Showa University School of Dentistry	Japan
P7-093	P-T07L-0359	07. Neuroscience L	Analgesic mechanisms of linalool odor on oral ulcerative mucositis-induced pain in rats	Masato Iida	Nihon University Graduate School of Dentistry	Japan
P7-094	P-T07L-0399	07. Neuroscience L	Modulation of brain-derived neurotrophic factor expression: investigating the effect of physical exercise on reserpine-induced pain and depression-like responses in mice	Dong-Wook Kang	Department of Physiology and Medical Science, College of Medicine and Brain Research Institute, Chungnam National University	Korea
P7-095	P-T07L-0400	07. Neuroscience L	Local lymphadenopathy-mediated neuro-immune mechanisms in vincristine-induced peripheral neuropathy	Wheedong Kim	Kyunghee University	Korea
P7-096	P-T07L-0420	07. Neuroscience L	Alleviation of painful diabetic peripheral neuropathy in mice through activation of TREK-1 channel: inhibiting sensory neuron and Schwann cell dysfunction	Eun-Jin Kim	Department of Physiology, College of Medicine and Institute of Medical Sciences, Gyeongsang National University	Korea
P7-097	P-T07L-0433	07. Neuroscience L	Tactile hypersensitivity relies on Piezo1 in nociceptors during inflammation	Pa Reum Lee	Brain Science Institute, Korea Institute of Science and Technology (KIST)	Korea
P7-098	P-T07L-0447	07. Neuroscience L	Development of sympathetically-maintained pain following peripheral nerve injury depends on the type of nerve injury	Sang Wook Shim	Dept. Of Brain And Cognitive Sciences, Seoul National University	Korea
P7-099	P-T07L-0472	07. Neuroscience L	The orexin a pathway antinociceptive effect on formalin-induced acute pain in intermittent fasting model	Hyunjin Shin	Department of Physiology and Medical Science, College of Medicine and Brain Research Institute, Chungnam National University	Korea
P7-100	P-T07L-0473	07. Neuroscience L	Piezo1 down-streaming TRP activation in odontoblasts	Yoshiyuki Shibukawa	Tokyo Dental College	Japan
P7-101	P-T07L-0476	07. Neuroscience L	Reduced oxidative stress alleviates chemotherapy-induced peripheral neuropathy via improving mitochondrial biogenesis	Myeounghoon Cha	Yonsei University College of Medicine	Korea
P7-102	P-T07L-0550	07. Neuroscience L	The morphometric alteration of disc and bone induced chronic low back pain in rats	Eui Ho Park	Korea University	Korea
P7-103	P-T07L-0552	07. Neuroscience L	Molecular docking and molecular dynamic simulation of cardamonin on the voltage-gated sodium channel 1.7	Mohamed Hanief Khalid	Department of Biomedical Science, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia	Malaysia
P7-104	P-T07L-0560	07. Neuroscience L	Na <sup>+</sup> influx and T-type Ca <sup>2+</sup> channel activation by monosodium urate on the terminal of substantia gelatinosa neurons in juvenile mice	Seon Ah Park	Department of Oral Physiology, School of Dentistry & Institute of Oral Bioscience, Jeonbuk National University	Korea
P7-105	P-T07L-0575	07. Neuroscience L	Gut microbiota and related metabolites are involved in the development of vincristine-induced peripheral neuropathy	Seo-Yeon Yoon	Daejeon Health Institute of Technology	Korea
P7-106	P-T07L-0580	07. Neuroscience L	Inhibitory action of magnolol on substantia gelatinosa neurons of the trigeminal subnucleus caudalis in mice	Nhung Le Ha Thuy	Department of Oral Physiology, School of Dentistry and Institute of Oral Bioscience, Jeonbuk National University	Korea
P7-107	P-T07L-0584	07. Neuroscience L	Alpha-lipoic acid does not affect GABA, glycine or glutamate receptor activities of substantia gelatinosa neurons of the trigeminal subnucleus caudalis in mice	Seon Hui Jang	Department of Oral Physiology, School of Dentistry and Institute of Oral Bioscience, Jeonbuk National University	Korea
P7-108	P-T07L-0599	07. Neuroscience L	Intracellular cAMP-induced Ca <sup>2+</sup> Influx via Activation of Protein Kinase A in Odontoblasts	Maki Kimura	Tokyo Dental College	Japan
P7-109	P-T07M-0329	07. Neuroscience M	<b>The inflammatory cytokine, interleukin-1-beta drives central immune cell infiltration, changes in sympathetic nerve activity and blood pressure</b>	Song Yao	The University of Melbourne	Australia
P7-110	P-T07M-0415	07. Neuroscience M	Hypothalamic TRPM2-expressing POMC neurons-mediated control of BAT thermogenesis	Arbi Bahtiar Boedi Iman Halanobis	Gyeongsang National University Medical School	Korea
P7-111	P-T07M-0579	07. Neuroscience M	The impacts of the cholinergic system on acute and chronic arthritis.	Min Ha Kim	Department of physiology, College of Medicine and Neuroscience Research Institute, Korea University	Korea
P7-112	P-T07M-0598	07. Neuroscience M	Comparison of the activated sweat gland density according to PNS and CNS responses	Jeong-Beom Lee	Department of Physiology, College of Medicine, Soonchunhyang University	Korea
P7-113	P-T07M-0601	07. Neuroscience M	The effect of caffeine contained in coffee to enhance the activation of sweating motor function	Hagyoung Lee	Department of Healthcare Business, the Graduate School, Soonchunhyang University	Korea
P7-114	P-T07N-0147	07. Neuroscience N	Kinematics analysis by deep learning in the recovered forelimb by rehabilitation after hemorrhagic stroke in rats	Hideki Hida	Nagoya City Univ Grad Sch Med Sci	Japan
P7-115	P-T07P-0141	07. Neuroscience P	The effects of chemotherapy on human taste	Rie Fujiyama	Department of Clinical Education in General Dentistry, Nagasaki University School of Dentistry	Japan
P7-116	P-T07P-0199	07. Neuroscience P	An information of worker's 5-httlpr (slc6a4 gene) variants data; a challenge of behavior- physiological science application at workplace in the future	Susy Purnawati	Medical Faculty of Udayana University	Indonesia
P7-117	P-T07P-0246	07. Neuroscience P	The effect of prenatal exposure to high cortisol on oxidative signaling of neurons in prefrontal cortex of rats	Khulan Amarsanaa	Department of Physiology, School of Medicine, Jeju National University	Korea
P7-118	P-T07P-0252	07. Neuroscience P	The association between internet addiction and dry eyes during the COVID-19 pandemic among Indonesia medical students	Julia Rahadian Tanjung	Physiology Department, School of Medicine and Health Sciences, Atma Jaya Catholic University of Indonesia	Indonesia
P7-119	P-T07P-0272	07. Neuroscience P	Regulator of lipid metabolism PPARα/NHR-49 mediates C.elegans pathogen avoidance and precise control of neuronal activity	Saebom Kwon	Yonsei University Wonju College of Medicine	Korea
P7-120	P-T07P-0309	07. Neuroscience P	Transient prenatal ruxolitinib treatment promotes neurogenesis and suppresses astroglialogenesis during Ts1Cje mouse brain development	Shahidee Zainal Abidin	Universiti Malaysia Terengganu	Malaysia
P7-121	P-T07P-0414	07. Neuroscience P	BnH-015B Improves impariments in synaptic plasticity and cognitive behavior in APP/PS1 mice.	Younghwan Kim	BnH Research Co.Ltd.,	Korea
P7-122	P-T07P-0444	07. Neuroscience P	Development of small-sized brain organoids for live imaging	Do Young Na	Korea Brain Research Institute	Korea
P7-123	P-T07P-0522	07. Neuroscience P	Particulate matter perturbrates melatonin synthesis and secretion through dysregulation of mitochondrial ROS and Ca <sup>2+</sup> signaling	Phuong Anh Do	Department of Physiology, Department of Global Medical Science & Mitohormesis Research Center, Yonsei University Wonju College of Medicine	Korea
P7-124	P-T07P-0531	07. Neuroscience P	Inhibitory effects of monosodium iodoacetate (MIA)-induced low back pain model after pulsed radiofrequency application	Hye Rim Suh	Department of Physical therapy, Division of health science, Baekseok University	Korea
P8-001	P-T08A-0018	08. Epthelial physiology A	Tools to develop and evaluate of amino acid transport inhibitors	Stefan Broer	Australian National University	Australia
P8-002	P-T08F-0107	08. Epthelial physiology F	Role of actin in time-dependent shift of docking dynamics of glucagon-like peptide-1 granules during biphasic exocytosis	Kazuki Harada	The University of Tokyo	Japan
P8-003	P-T08E-0244	08. Epthelial physiology E	Physiological role of the cannabinoid-sensing G-protein coupled receptor 55 in the regulation of ZO-1- and occludin-dependent tight junction integrity and its underlying mechanism	Wanapas Wachiradejkul	Chulabhorn Royal Academy	Thailand
P8-004	P-T08B-0278	08. Epthelial physiology B	Inhibition of Intestinal Calcium Transport by Tetrodotoxin and Vasoactive Intestinal Peptide Receptor Antagonist: An Evidence for the Neural Regulation of Intestinal Calcium Absorption	Narattaphol Charoenphandhu	Department of Physiology, Faculty of Science, Mahidol University	Thailand
P8-005	P-T08B-0301	08. Epthelial physiology B	Prolonged consumption of high-salt diet alters protein expression levels of TRPV6 and PMCA1b in the villous tips of rat duodenum	Kannikar Wongdee	Faculty of Allied Health Sciences, Burapha University	Thailand
P9-001	P-T09G-0092	09. Digestive physiology G	Single and mixed strains of probiotics reduced hepatic fat accumulation and inflammation, and altered gut microbiome in a nonalcoholic steatohepatitis rat model	Maneerat Chayanupatkul	Faculty of Medicine, Chulalongkorn University	Thailand
P9-002	P-T09E-0108	09. Digestive physiology E	Oral administration of antioxidant modulated intestinal physiological balance	Ching-Ying Huang	Department of Food science and Biotechnology, National Chung Hsing University	Taiwan
P9-003	P-T09C-0112	09. Digestive physiology C	High salt diet induces ROCK signaling augmentation and dysmotility in mouse stomach	Masumi Eto	Okayama University of Science Faculty of Veterinary Medicine	Japan



P9-004	P-T09C-0114	09. Digestive physiology C	Alteration in neural composition of central pathways regulating colorectal motility in parkinson's disease model in rats	Tomoya Sawamura	Laboratory of Physiology, Joint Graduate School of Veterinary Sciences, Gifu University	Japan
P9-005	P-T09C-0158	09. Digestive physiology C	Neural pathways of the dorsomedial hypothalamus activation-induced enhancing colorectal motility	Natsufu Yuki	Department of Basic Veterinary Science, Laboratory of Physiology, Joint Graduate School of Veterinary Sciences, Gifu University	Japan
P9-006	P-T09C-0168	09. Digestive physiology C	PMCA4 inhibits the activity of nNOS to maintain pacemaker function of colonic ICC	Han Yi Jiao	Departent Of Physiology, Hainan Medical College	China
P9-007	P-T09B-0187	09. Digestive physiology B	The tight junction protein ZO-1 regulates mitotic spindle orientation to promote mucosal repair in A YBX3 and cytoskeletal binding protein <del>dependent manner</del>	Wei-Ting Kuo	Graduate Institute of Oral Biology, College of Medicine, National Taiwan University	Taiwan
P9-008	P-T09C-0290	09. Digestive physiology C	Effect of Atractylodes macrocephala Koidzumi on intestinal function, intestinal microbiome and ion channels in a mouse model of Zymoan-induced irritable bowel syndrome	Na Ri Choi	Pusan National University School of Korean Medicine	Korea
P9-009	P-T09F-0326	09. Digestive physiology F	Synbiotic mixture migrates stress-induced intestinal morphology abnormalities and gut leakage through restoration of ZO-1 protein expression	Nattakan Treesakrisakul	Department of Basic Medical Sciences, Faculty of Medicine, Siam University	Thailand
P9-010	P-T09E-0349	09. Digestive physiology E	Preliminary efficacy analysis of Streptococcus thermophilus iHA318 in alleviating dry eye symptom	Yen-Ling Sun	Department of Medical Laboratory and Biotechnology, Chung Shan Medical University	Taiwan
P9-011	P-T09C-0406	09. Digestive physiology C	Sigma-1 receptor agonist PRE084 is protective against acetic acid-induced experimental colitis in mice▶▶▶	GunHun Lee	Catholic Kwandong College of Medicine	Korea
P9-012	P-T09C-0427	09. Digestive physiology C	Regulation of smooth muscle contraction in mouse ileum by mechanosensitive cationic piezo1 channels expressed in interstitial cells of Cajal	Makoto Nakao	Division of Life Sciences, Graduate School, Kyoto Sangyo University	Japan
P9-013	P-T09G-0493	09. Digestive physiology G	Molecular triggering mechanism of hepatocyte regeneration after massive hepatectomy in mice	Shimin Chen	Department of Pathophysiology, Hainan Medical University	China
P9-014	P-T09E-0616	09. Digestive physiology E	Probiotic composition of fermented cow and soy milk effect to improving enzyme activities and decreasing blood lipid in female wistar rats	Lovita Adriani	Departement of Physiology and Biochemistry Animal Husbandry, Faculty of Animal Husbandry, Universitas Padjadjaran	Indonesia
P10-001	P-T10B-0060	10. Renal physiology B	Activation of TGR5 increases urine concentration by inducing AQP2 and AQP3 expression in renal medullary collecting ducts	Yanling Guo	Health Science Center, East China Normal University	China
P10-002	P-T10D-0061	10. Renal physiology D	Pregnane X receptor alleviates renal fibrosis by inhibiting the activation of Wnt/β-catenin signaling pathway via interacting with p53.	Chunxiu Du	Division of Nephrology, Wuhu Hospital, East China Normal University, Wuhu 7777, China. Health Science Center, East China Normal University	China
P10-003	P-T10D-0117	10. Renal physiology D	Role of melatonin on kidney injury and its remote organ consequences on the liver after renal ischemia and reperfusion injury in D-galactose-induced aging rats	Anongporn Kobroob	University of Phayao, School of Medical Sciences, Division of Physiology	Thailand
P10-004	P-T10D-0125	10. Renal physiology D	Correlation between sleep duration and degree of dehydration in young adults	Mariani Santosa	Department of Physiology, School of Medicine and Health Sciences, Atma Jaya Catholic University of Indonesia	Indonesia
P10-005	P-T10D-0202	10. Renal physiology D	Apolipoprotein J facilitates indoxyl sulfate-induced activation of AhR and promotes the progression of chronic kidney disease	JiaYi Pi	College of Biology, Hunan University	China
P10-006	P-T10A-0243	10. Renal physiology A	Apolipoprotein J accumulation in renal tubules contributes to pathogenesis of diabetic nephropathy	Duan Shuangdi	Hunan University	China
P10-007	P-T10D-0322	10. Renal physiology D	Evaluation of nephrotoxicity and polycystic kidney disease induced by chronic exposure of ethylenethiourea in mice	Byong Gon Park	Department of Physiology, College of Medicine, Catholic Kwandong University	Korea
P10-008	P-T10A-0338	10. Renal physiology A	Protective effects of prebiotic fructo-oligosaccharide on renal organic anion transporter 3 and renal function in pre-diabetic rats	Nattavadee Pengrattanachot	Department of Physiology, Faculty of Medicine, Chiang Mai University	Thailand
P10-009	P-T10D-0390	10. Renal physiology D	Echinochrome A reverses kidney abnormality and reduces blood pressure in a rat model of preeclampsia	Junxian Liu	Seoul National University	Korea
P10-010	P-T10D-0456	10. Renal physiology D	Maternal obesity promotes kidney injury in male offspring	Anusorn Lungkaphin	Chiang Mai University	Thailand
P10-011	P-T10D-0535	10. Renal physiology D	Nephroprotective effects of combined administration of Nelumbo Nucifera seed extract and angiotensin-converting enzyme (ACE) inhibitor in L-NAME-induced hypertensive rats: a study on renal structural changes	Taksanee Mahasiripanth	Department of Physiology, Faculty of Medical Science, Naresuan University	Thailand
P10-012	P-T10D-0574	10. Renal physiology D	Protective effects of echinochrome A on Type 2 diabetes-induced nephropathy in db/db mice	Trong Kha Pham	Inje University, Korea; University of Science - Vietnam National University	Korea
P10-013	P-T10C-0577	10. Renal physiology C	Dual action of inorganic phosphate on podocyte filter function: A little goes a long way	Bao Dang Thi Ngoc	Department of Physiology, and Department of Global Medical Science, Mitohormesis Research Center, and Institute of Mitochondrial Medicine, Yonsei University Wonju College of Medicine	Korea
P10-014	P-T10D-0607	10. Renal physiology D	Inhibition of c-Jun N-terminal Kinase Prevents Epithelial-Mesenchymal Transition and Fibrosis in Human Podocytes	Suyeon Choi	Department of Physiology, Yonsei University Wonju College of Medicine	Korea
P10-015	P-T10A-0643	10. Renal physiology A	The potential effect of vitamin B12 supplementation on kidney cubilin and amnionless level in rat model	Patwa Amani	Physiology Department, Medical Faculty, Universitas Trisakti	Indonesia
P11-001	P-T11A-0031	11. Molecular & Cell Biology A	Effects of licorice ingredients on GIRK channel activity and atrial function	I-Shan Chen	Department of Pharmacology, Faculty of Medicine, Wakayama Medical University	Japan
P11-002	P-T11A-0068	11. Molecular & Cell Biology A	Photoreceptor ion flux profiles and ion homeostasis in a comprehensive mathematical model	Yuttamol Muangkram	Department of Bioinformatics, College of Life Sciences, Ritsumeikan University	Japan
P11-003	P-T11A-0095	11. Molecular & Cell Biology A	An intermediate state in the 2nd voltage sensor domain is related to the PIP2-gating mode in two-pore channels	Takushi Shimomura	National Institute for Physiological Sciences	Japan
P11-004	P-T11A-0098	11. Molecular & Cell Biology A	Novel binding-site of BKCa channel activator, CTIBD	Narasaem Lee	School of Life Sciences, Gwangju Institute of Science and Technology (GIST)	Korea
P11-005	P-T11A-0121	11. Molecular & Cell Biology A	The distinct biophysical properties and physiological roles of two zebrafish HCN4 pacemaker channels	Jiaying Liu	Div. of Integrative Physiol., Dept. of Physiol, Jichi Med Univ	Japan
P11-006	P-T11A-0245	11. Molecular & Cell Biology A	Calcium homeostasis modulator 2 (Calhm2) in mouse B lymphocyte is the slowly activating voltage-dependent channel releasing ATP	Si Won Choi	Department of Physiology, Seoul National University College of Medicine	Korea
P11-007	P-T11A-0255	11. Molecular & Cell Biology A	The analysis of lithium permeation mechanisms of prokaryotic sodium channel	Yuki Maeda	Department of Pharmacology, Faculty of Medicine, Wakayama Medical University	Japan
P11-008	P-T11A-0286	11. Molecular & Cell Biology A	Role of ANO1 in HNSCC: Insights into Altered Expression and Regulatory Function in VRAC Current	Young Keul Jeon	Seoul National University, College of Medicine	Korea
P11-009	P-T11A-0318	11. Molecular & Cell Biology A	Multi-target modulation of ion channels underlying the analgesic effects of α-mangostin in dorsal root ganglion neurons	Sung Eun Kim	Department of Physiology and Department of Biomedical Sciences, Seoul National University College of Medicine, Ischemic/Hypoxic Disease Institute, Seoul National University, Department of Korean Medicine, Kyung Hee University, Neurogrin	Korea
P11-010	P-T11A-0319	11. Molecular & Cell Biology A	Multiple effects of Echinochrome A on selected ion channels implicated in skin physiology	Sung Eun Kim	Department of Physiology and Department of Biomedical Sciences, Seoul National University College of Medicine, Ischemic/Hypoxic Disease Institute, Seoul National University, Department of Korean Medicine, Kyung Hee University, Neurogrin	Korea
P11-011	P-T11A-0457	11. Molecular & Cell Biology A	Mitochondrial localization of NS5806-responsive K+ channels in HeLa cells	Gun Kim	Laboratory of Veterinary Pharmacology, College of Veterinary Medicine and Research Institute of Veterinary Science, Seoul National University	Korea
P11-012	P-T11A-0474	11. Molecular & Cell Biology A	Tentonin 3/TMEM150C comprises a pore-forming subunit of a slowly-inactivating mechanosensitive channel	Sujin Lim	Korea Institute of Science and Technology	Korea
P11-013	P-T11A-0519	11. Molecular & Cell Biology A	Trp434 and Trp435 residues are crucial for sensing Calcium ions and PI(4,5)P2 molecules in TRPC5 channel	Jinhyeong Kim	Seoul National University College of Medicine	Korea
P11-014	P-T11A-0524	11. Molecular & Cell Biology A	<i>Bidirectional sensitivity of CALHM1 channel to protons from both sides of plasma membrane</i>	Jae won Kwon	Seoul National University College of Medicine	Korea
P11-015	P-T11A-0525	11. Molecular & Cell Biology A	Cryo-EM structure and function of a calcium-activate chloride channel best1 in a wide-open state	Kwon-Woo Kim	KBRI	Korea
P11-016	P-T11A-0544	11. Molecular & Cell Biology A	<i>n-Alcohol modulation of action potential firing depends on Kv7.2/7.3 channel regulation</i>	Dajeong Jeong	Daegu Gyeongbuk Institute of Science and Technology (DGIST)	Korea
P11-017	P-T11A-0553	11. Molecular & Cell Biology A	Molecular basis of L-type CaV1.2 channel regulation by phosphatidylinositol 4,5-bisphosphate	Soohyeon Bae	DGIST	Korea
P11-018	P-T11A-0563	11. Molecular & Cell Biology A	Molecular mechanisms on proton-activated chloride (PAC) channel modulated by membrane PI(4,5)P2	Woori Ko	DGIST	Korea
P11-019	P-T11A-0588	11. Molecular & Cell Biology A	TRPC6 deficiency induces adipocyte dysfunction and phenotypic traits resembling obesity	Phan Anh Nguyen	Department of Physiology, Department of Global Medical Science, Mitohormesis Research Center, Institute of Mitochondrial Medicine, and Institute of Lifestyle Medicine, Yonsei University Wonju Collene of Medicine	Korea
P11-020	P-T11A-0593	11. Molecular & Cell Biology A	Inhibition of Resurgent Na+ currents by Rufinamide	Chung-Chin Kuo	National Taiwan University and National Taiwan University Hospital	Taiwan
P11-021	P-T11A-0597	11. Molecular & Cell Biology A	TRPML3 activation by PI3P is regulated by the scramblase ATG9A in autophagy	Si Hyun Choi	Sungkyunkwan University School of Medicine	Korea
P11-022	P-T11A-0623	11. Molecular & Cell Biology A	Development of parameter optimization method to predict ionic current composition of cardiomyocyte with selective channel-blockade	Yixin Zhang	Ritsumeikan University	Japan

P11-023	P-T11B-0302	11. Molecular & Cell Biology B	Membrane potential modulates ERK activity	Mari Sasaki	Osaka Medical and Pharmaceutical University	Japan
P11-024	P-T11B-0540	11. Molecular & Cell Biology B	SREBP-1c deficiency ameliorates hepatic steatosis and liver injury in non-alcoholic steatohepatitis through lipocalin-2 mediated hepatic iron overload	Eun-Ho Lee	Keimyung University School of Medicine	Korea
P11-025	P-T11B-0653	11. Molecular & Cell Biology B	Dysregulation of the NOTCH1 signaling pathway by Caveolin-2 in vascular endothelial cells	Chae-Jeong Lee	Department of Physiology, Inflammation-Cancer Microenvironment Research Center, College of Medicine, Ewha Womans University	Korea
P11-026	P-T11C-0113	11. Molecular & Cell Biology C	Keratinocytes differentiation is modulated by carvacrol through the TRPA1-mediated Ca2+ signaling	Hyeong Jae Kim	Department of Physiology, Lee Gil Ya Cancer & Diabetes Institute, College of Medicine, Gachon University	Korea
P11-027	P-T11C-0268	11. Molecular & Cell Biology C	The effect of pulsed electromagnetic field stimulation of live cells on intracellular Ca2+ dynamics changes notably involving ion channels	Kyoung Sun Park	Wide River Institute of Immunology, Seoul National University	Korea
P11-028	P-T11C-0310	11. Molecular & Cell Biology C	Crosstalk between synoviocytes and matured osteoclasts though the calcium and cytokines	Eun Sun Lee	Department of Physiology, Lee Gil Ya Cancer & Diabetes Institute, College of Medicine, Gachon University	Korea
P11-029	P-T11C-0385	11. Molecular & Cell Biology C	Trpc mediated calcium influx in myoblasts is regulated by PDLIM5 scaffold protein	Mingyi Dong	Nagoya University	Japan
P11-030	P-T11C-0497	11. Molecular & Cell Biology C	Oxidative stress-induced calcium dyshomeostasis by epigenetic alterations of TRPC1 gene contribute to the progression of Huntington's disease	Byeongseok Jeong	Department of Physiology, Seoul National University College of Medicine	Korea
P11-031	P-T11C-0541	11. Molecular & Cell Biology C	Etoposide-induced gene 2.4 as a regulator of STIM1 for stored-operated calcium entry regulation	Duyen Tran Thi Thuy	Department of Physiology, Department of Global Medical Science, Mitohormesis Research Center, Institute of Mitochondrial Medicine, Yonsei University Wonju College of Medicine	Korea
P11-032	P-T11C-0569	11. Molecular & Cell Biology C	WNKs regulates autophagy via lysosomal TRPML1 channel	Subo Lee	Yonsei University Wonju College of Medicine	Korea
P11-033	P-T11D-0600	11. Molecular & Cell Biology D	Palmitoylation of M1 muscarinic receptor and its functional roles	Jae-hoon Chang	DGIST	Korea
P11-034	P-T11F-0555	11. Molecular & Cell Biology F	TRPML3 trafficking from the plasma membrane is regulated by the endosomal SNARE VTI1B for autophagosome biogenesis	Jin Kwon	Sungkyunkwan University School of Medicine	Korea
P11-035	P-T11F-0561	11. Molecular & Cell Biology F	Plasma membrane localization and function of the ABHD17 family	Byeol-I Kim	DGIST	Korea
P11-036	P-T11G-0617	11. Molecular & Cell Biology G	Two specific interactions between TRPML3-GABARAPL2/GATE16-RAB33B regulate autophagy	Jiwoo Park	Sungkyunkwan University School of Medicine	Korea
P11-037	P-T11H-0028	11. Molecular & Cell Biology H	Single-Molecule Imaging to Reveal a Role of PI(4,5)P2-Channel Interactions in M-channel Trafficking Regulation in Neurons	Daisuke Yoshioka	Graduate School of Medicine, Osaka University	Japan
P11-038	P-T11I-0235	11. Molecular & Cell Biology I	In vivo mapping of subcellular proteomes in mice	Kwang-eun Kim	Seoul National University	Korea
P11-039	P-T11K-0330	11. Molecular & Cell Biology K	Rapamycin and hydroxychloroquine impact in auranofin-treated lung cancer cells: apoptosis, ROS, and glutathione	Woo Hyun Park	Jeonbuk National University	Korea
P11-040	P-T11K-0336	11. Molecular & Cell Biology K	The repurposed drug haloperidol induces apoptosis in neuroblastoma through the modulation of endoplasmic reticulum (ER) stress and autophagy	Jung-Mi Oh	Department of Physiology, Jeonbuk National University Medical School	Korea
P11-041	P-T11K-0357	11. Molecular & Cell Biology K	Rk-1 induces apoptotic cell death of human brain cancer through caspase 12-mediated regulation of ER stress	Gahui Lee	Department of Physiology, Jeonbuk National University Medical School	Korea
P11-042	P-T11K-0513	11. Molecular & Cell Biology K	Etoposide-induced protein 2.4 homolog (EI24) regulates ferroptosis resistance in cancer	Thien H To	Departments of Biochemistry and Global Medical Science, Mitohormesis Research Center, Institute of Lifestyle Medicine, Wonju College of Medicine, Yonsei University	Korea
P11-043	P-T11L-0059	11. Molecular & Cell Biology L	Cellular stress investigations and homeostasis mechanisms on fibroblast cultures regarding Hydrogen sulfide (H2S) used as a natural therapeutic factor in the Neuro-Myo-Arthro-Kinetic (NMAK) pathology	Constantin Munteanu	Grigore T. Popa University of Medicine and Pharmacy	Romania
P11-044	P-T11L-0215	11. Molecular & Cell Biology L	Effect of high glucose and ambient particulate matter on endothelial inflammation and its related mechanisms	Tsai-Chun Lai	National Chung Hsing University Department of Life Sciences	Taiwan
P11-045	P-T11L-0291	11. Molecular & Cell Biology L	Protective effects of intermittent hypoxia against hydrogen peroxide-induced oxidative stress in rat cerebellar astrocytes	An-Ting Cheng	Master Program in Biomedical Sciences, School of Medicine, Tzu Chi University	Taiwan
P11-046	P-T11L-0451	11. Molecular & Cell Biology L	In silico prediction and validation of PI3KCA as the target of novel miR-1133 in human umbilical vein endothelial cells exposed to hyperglycemia	Nur Syakirah Binti Othman	Department of Physiology, Faculty of Medicine, Universiti Kebangsaan Malaysia	Malaysia
P11-047	P-T11L-0495	11. Molecular & Cell Biology L	EI24 benefits cancer DNA repair via regulating purine synthesis	Le Tran Nhat	Yonsei University Wonju College of Medicine	Korea
P11-048	P-T11L-0536	11. Molecular & Cell Biology L	Comparison of obesity and aging signatures in murine adipose tissue at single-cell resolution	Eries Lee	KAIST	Korea
P11-049	P-T11L-0549	11. Molecular & Cell Biology L	the protective mechanism of TMEM16E-mediating micropinocytosis in plasma membrane repair (PMR) systems	Jung Eun Kim	Daegu Gyeongbuk Institute of Science and Technology (DGIST)	Korea
P11-050	P-T11O-0283	11. Molecular & Cell Biology O	The role of TRPV4 channel in wound healing of murine esophageal keratinocytes	Ammar Boudaka	College of Medicine, QU Health, Qatar University	Qatar
P11-051	P-T11O-0434	11. Molecular & Cell Biology O	Palmitoylation-mediated PHF2 loss aggravates hepatocellular carcinoma in the SREBP1c-dependent manner	Do-Won Jeong	Seoul National University College of Medicine	Korea
P11-052	P-T11P-0316	11. Molecular & Cell Biology P	Effect of fulvic acid derivatives on proliferation and differentiation of 3T3L1 adipocytes	Hyeon Yeong Ju	Keimyung University Of Medicine	Korea
P11-053	P-T11P-0537	11. Molecular & Cell Biology P	Deficiency of IDH2 decreases brown adipocytes differentiation through inhibition of LncBATE10	Jae-Ho Lee	Department of Physiology, Keimyung University School of Medicine	Korea
P11-054	P-T11T-0362	11. Molecular & Cell Biology T	Synergistic effects of lutein, zeaxanthin, and spearmint extracts against antioxidant stress in APRE-19 and HCE-T cells	Wei-Chieh Liao	Department of Medical Laboratory and Biotechnology, Chung Shan Medical University	Taiwan
P11-055	P-T11T-0455	11. Molecular & Cell Biology T	A comparative study of nucleic acid and glycogen preservation in formalin-fixed and alternative fixative-fixed tissue sessions	Phyu Synn Oo	Pathology and Pharmacology Department, School of Medicine, International Medical University	Malaysia
P12-001	P-T12F-0143	12. Evolution, Adaptation & Environment F	Suncus murinus as a suitable model for studying daily torpor	Yasutake Shimizu	Gifu University	Japan
P12-002	P-T12E-0157	12. Evolution, Adaptation & Environment E	Association analysis of gut microbiota-metabolites-neuroendocrine changes in male rats acute exposure to simulated altitude of 5500m	Chengli Xu	Institute of Basic Medical Sciences, Chinese Academy of Medical Sciences	China
P12-003	P-T12E-0175	12. Evolution, Adaptation & Environment E	Cellular toxicology of carbon nanomaterials in environmental media	Shirong Qiang	Lanzhou University	China
P12-004	P-T12E-0180	12. Evolution, Adaptation & Environment E	Effects of morphology regulated by Pb2+ on graphene oxide cytotoxicity: Spectroscopic and in vitro investigations	Mingyuan Wang	The First School of Clinical Medicine, Lanzhou University	China
P12-005	P-T12D-0270	12. Evolution, Adaptation & Environment D	Relationship between microgravity and myoblast proliferation	Ayaka Ichihara	Division of Pharmacodynamics, Keio University Faculty of Pharmacy	Japan
P12-006	P-T12E-0360	12. Evolution, Adaptation & Environment E	Exertional heat stroke causes neurobehavioral disorders in rats via modulating gut microbiota composition, gut barrier permeability, and systemic inflammation	Ching-Ping Chang	Department of Medical Research, Chi Mei Medical Center	Taiwan
P12-007	P-T12E-0379	12. Evolution, Adaptation & Environment E	Hyperbaric oxygen therapy as a therapeutic approach for attenuating lung inflammation and restoring lung function following carbon monoxide poisoning	Tzu-Hao Chen	Department of Environmental and Occupational Health, College of Medicine, National Cheng Kung University	Taiwan
P12-008	P-T12E-0464	12. Evolution, Adaptation & Environment E	The effects of gestational and lactational exposure to cadmium on neurodevelopment	Mi-Hye Kim	Dankook university	Korea
P12-009	P-T12E-0581	12. Evolution, Adaptation & Environment E	A follow-up survey on the process of high-altitude A	Bianba Bianba	Tibet University Medical College	China
P12-010	P-T12F-0591	12. Evolution, Adaptation & Environment F	Element rich area as environmental cues affect human body accumulation of potentially toxic elements and their health	Sri Manovita Pateda	Faculty of Medicine, State University of Gorontalo	Indonesia
P12-011	P-T12F-0610	12. Evolution, Adaptation & Environment F	The acclimatization of Haenyeo to a cold environment and occupational characteristics evaluated by orexin and irisin levels	InHo Lee	Department of Occupational and Environmental Medicine, Soonchunhyang University Cheonan Hospital	Korea
P12-012	P-T12E-0611	12. Evolution, Adaptation & Environment E	Mechanisms of peripheral sudomotor sensitivity to acetylcholine in endurance humans: Focused on activated sweat gland density	Kang-Soo Cho	Department of Physiology, College of Medicine, Soonchunhyang University	Korea
P13-001	P-T13B-0176	13. Genomics & Physiome B	Moxibustion improves hypothalamus Aqp4 polarization in APP/PS1 mice: Evidence from spatial transcriptomics	Shuqing Liu	Chengdu University of Traditional Chinese Medicine	China
P13-002	P-T13E-0281	13. Genomics & Physiome E	Can homeostasis of peripheral blood components alone shape the metabolic zonation in hepatic lipid metabolism?: a simulation study	Kensuke Tozuka	Institute for Advanced Biosciences, Keio University. Systems Biology Program, Graduate School of Media and Governance, Keio University.	Japan
P13-003	P-T13B-0300	13. Genomics & Physiome B	Extracellular vesicle proteomics reveals the biochemical mechanisms of carbon monoxide poisoning-induced cardiac damage	Chien-Wei Hsiung	Department of Environmental and Occupational Health, College of Medicine, National Cheng Kung University	Taiwan



P13-004	P-T13A-0339	13. Genomics & Physiome A	Massively parallel reporter assay for fine-mapping of NAFLD-specific expression quantitative trait locus	Hyungtai Sim	Seoul National Univeristy	Korea
P13-005	P-T13A-0340	13. Genomics & Physiome A	Characterization of differences in brain development in Atypical Rett syndrome mouse models	Minsoo Kim	Seoul National University	Korea
P13-006	P-T13A-0377	13. Genomics & Physiome A	Genetic dissection of Hirschsprung's disease pathophysiology	Jean Lee	Seoul National University	Korea
P13-007	P-T13A-0393	13. Genomics & Physiome A	Characteristics of globin gene mutations in beta-thalassemia major patients with iron overload: A study from the Thalassemia community in East Java	Kartika Prahasanti	Doctoral Program of Medical Science, Faculty of Medicine, Universitas Airlangga, Physiology Department, Faculty of Medicine, Universitas Muhammadiyah Surabaya	Indonesia
P13-008	P-T13B-0435	13. Genomics & Physiome B	Estimation of parameter probability distributions of Ion channel models based on bayesian inference using a Markov chain Monte Carlo method	Takao Shimayoshi	Okayama University	Japan
P13-009	P-T13B-0586	13. Genomics & Physiome B	Investigation of drug repurposing strategies according to stages of nonalcoholic fatty liver	Minseong Lee	Chungnam National University	Korea
P14-001	P-T14A-0152	14. Stem Cells & Organoid A	LncRNA-CIR6 induces MSCs to differentiate into cardiomyocytes and prevents myocardial infarction	Lan Hong	Department of Physiology and Pathophysiology, College of Medicine, Yanbian University	China
P14-002	P-T14A-0165	14. Stem Cells & Organoid A	CCR5 exhibits distinct roles in bone marrow stromal cells and hematopoietic cells to modulate hematopoietic reprogramming and immunosuppressive activity	Shuoh-Wen Chen	Institute of Physiology, National Yang Ming Chiao Tung University	Taiwan
P14-003	P-T14A-0217	14. Stem Cells & Organoid A	Role of zinc in rat adipose tissue-derived mesenchymal stem cell differentiation	Pei-Ching Ting	Ph.D. Program in Pharmacology and Toxicology, School of Medicine, Tzu Chi University	Taiwan
P14-004	P-T14A-0218	14. Stem Cells & Organoid A	Effects of dextromethorphan on the osteogenic and adipogenic differentiation of rat bone marrow-derived mesenchymal stem cells in vitro	Jian-Hong Lin	Division of Experimental Surgery, Department of Surgery, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation	Taiwan
P14-005	P-T14A-0292	14. Stem Cells & Organoid A	Palmitic acid methyl ester promotes cell migration in human bone marrow-derived mesenchymal stem cells	Min-Pei Ko	Master Program in Biomedical Sciences, School of Medicine, Tzu Chi University	Taiwan
P14-006	P-T14A-0303	14. Stem Cells & Organoid A	Aldo-keto reductase family 1 member A1 regulates the adipo-osteogenic lineage differentiation by adjusting energy metabolism of mesenchymal stem cells	Yingming Liou	Department of Life Sciences, National Chung Hsing University	Taiwan
P14-007	P-T14D-0355	14. Stem Cells & Organoid D	Development of Bi-functional 3D fibrous scaffold with controlled drug release for osteogenesis-coupled angiogenesis	Abdelrahman Ibrahim Mahmoud Rezk	Department of Physiology, Jeonbuk National University Medical School, BK21FOUR 21st Century Medical Science Creative Human Resource Development Center.	Korea
P14-008	P-T14A-0475	14. Stem Cells & Organoid A	Tacrolimus improves mesenchymal stem cell function in diabetes by inhibiting DRP1-mediated mitochondrial fission	HangHyo Jo	Chungbuk National University	Korea
P14-009	P-T14F-0479	14. Stem Cells & Organoid F	Amniotic fluid stem cell factors for dry eye symptom relief in a mouse photokeratitis model	Tsung-Han Lu	Department of Medical Laboratory and Biotechnology, Chung Shan Medical University	Taiwan
P14-010	P-T14A-0490	14. Stem Cells & Organoid A	Characteristic of mesenchymal stem cells (MSCs) from Wharton's jelly umbilical cords across different ages of women	Edwin Widodo	Universitas Brawijaya, Faculty of Medicine, Dept. of Human Physiology	Indonesia
P14-011	P-T14C-0516	14. Stem Cells & Organoid C	Estrogen deficiency drives TGF-β2-mediated ferroptosis in salivary gland epithelium	Hyung-Sik Kim	Pusan National University	Korea
P14-012	P-T14C-0539	14. Stem Cells & Organoid C	Investigating cellular dynamics of live organoids via label-free 3D high-resolution analysis with low-coherence holotomography	Hye-Jin Kim	Tomocube, Inc.	Korea
P14-013	P-T14A-0562	14. Stem Cells & Organoid A	Differentiation of expandable endothelial cells from gene-corrected induced pluripotent stem cells for hemophilia a cell therapy	Si Eun Kim	Brain Korea 21 PLUS Project for Medical Science, Yonsei University	Korea
P14-014	P-T14H-0596	14. Stem Cells & Organoid H	The role of FASN-dependent lipogenesis and mitochondria using human derived- iPSCs and cerebral organoids during neurodevelopment	Seulgi Noh	Department of Brain and Cognitive Sciences, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Research group for Neural circuits unit Korea Brain Research Institute (KBRI)	Korea
P15-001	P-T15E-0022	15. Inflammation and immune physiology E	Integrative single-cell transcriptome analysis reveals new insights into post-COVID-19 pulmonary fibrosis and potential therapeutic targets	Yumin Kim	Gwangju Institute of Science and Technology	Korea
P15-002	P-T15A-0047	15. Inflammation and immune physiology A	Expression of tyrosine hydroxylase in CD4+ T cells contributes to alleviation of TH17/TREG imbalance in collagen-induced arthritis	Yi-Hua Qiu	Medicine of School, Nantong University	China
P15-003	P-T15F-0065	15. Inflammation and immune physiology F	Epithelial hyperactivation of myosin light chain kinase causes bacterial internalization and microbiota dysbiosis to evoke circadian dysrhythmia and chronic inflammation	Yu-Chen Pai	Graduate Institute of Physiology, National Taiwan University College of Medicine	Taiwan
P15-004	P-T15C-0110	15. Inflammation and immune physiology C	Blue light activates retinal endothelial cells and increases inflammatory cytokines release	Chng-Hao Li	Department of Physiology, Taipei Medical University	Taiwan
P15-005	P-T15C-0111	15. Inflammation and immune physiology C	Nano-plastics change lipogenesis and induce adipocytokines in 3T3-L1 adipocytes	Chng-Hao Li	Department of Physiology, Taipei Medical University	Taiwan
P15-006	P-T15E-0161	15. Inflammation and immune physiology E	Low expression of SNAREs in antigen-presenting cells causes immune dysregulation in the elderly after single-strand GU-rich viral RNA infection	Yu-Xuan Wu	National Yang Ming Chiao Tung University	Taiwan
P15-007	P-T15E-0179	15. Inflammation and immune physiology E	Infectious cytomegalovirus in breast milk after delivery of preterm infants before 28 weeks of gestational age were measured by the promyelocytic leukemia assay	Wakako Sumiya	Division of Neonatology, Department of Maternal, Fetus and Perinatal Center, Saitama Children's Medical Center	Japan
P15-008	P-T15D-0221	15. Inflammation and immune physiology D	Impact of Switching from Tobacco Smoking to Vaping on Salivary CRP Levels in Gingivitis Patients: A Randomized Controlled Trial	Afianti Sulastri	Universitas Pendidikan Indonesia	Indonesia
P15-009	P-T15E-0236	15. Inflammation and immune physiology E	Gas6 signaling induced AIM production to inhibit NLRP3 inflammasome activation	Jeong Seonghee	Department of Physiology, Inflammation-Cancer Microenvironment Research Center, College of Medicine, Ewha Womans University	Korea
P15-010	P-T15D-0378	15. Inflammation and immune physiology D	Protective effect of TRESK channel against cellular stress induced by hydrogen peroxide and lipopolysaccharide	Byeonggyu Ahn	Gyeongsang National University	Korea
P15-011	P-T15D-0388	15. Inflammation and immune physiology D	Anti-rheumatoid arthritis effects of sea hare hydrolysates	Anjas Happy Prayoga	Gyeongsang National University	Korea
P15-012	P-T15I-0394	15. Inflammation and immune physiology I	Extraocular lacrimal gland inflammation and degeneration caused by long-term dry eye status	Yi-Yun Hung	Department of Medical Laboratory and Biotechnology, Chung Shan Medical University	Taiwan
P15-013	P-T15C-0408	15. Inflammation and immune physiology C	Galectin-9-expressing infiltrated macrophages alleviate liver fibrosis by inhibiting activated hepatic stellate cells through Tim-3 signaling	Chaerin Woo	Korea Advanced Institute of Science and Technology (KAIST)	Korea
P15-014	P-T15E-0412	15. Inflammation and immune physiology E	Evaluation of the anti-inflammatory potential of Broncho-Vaxom® (OM-85 BV) in a mouse model of lipopolysaccharide-induced acute lung injury	Long Cao Dang	Department of Physiology and Institute of Health Sciences, College of Medicine, Gyeongsang National University	Korea
P15-015	P-T15E-0529	15. Inflammation and immune physiology E	Impact of clonal hematopoiesis on the Pathophysiology of COVID-19 in rhesus macaques	Taehoon Shin	Translational Stem Cell Research Laboratory, College of Veterinary Medicine and Veterinary Medical Research Institute, Jeju National University	Korea
P15-016	P-T15B-0538	15. Inflammation and immune physiology B	The new role of ferroptosis progress in Psoriasis disease	Thien Nguyen Huu	Department of Physiology, College of Medicine, Inje University	Korea
P15-017	P-T15I-0554	15. Inflammation and immune physiology I	pharmacokinetics of steppogenin in mouse depend on its route of administration	Jihoon Lee	Kyungpook National University	Korea
P15-018	P-T15F-0556	15. Inflammation and immune physiology F	Bile acids direct neutrophils to maintain intestinal homeostasis through NET formation	Yu-Bin Lee	Kyungpook National University	Korea
P15-019	P-T15G-0557	15. Inflammation and immune physiology G	The identification of splenic B-helper neutrophils in a murine model of transplantation	Hyeung-Wook Shin	Kyungpook national university	Korea
P15-020	P-T15E-0558	15. Inflammation and immune physiology E	Neutrophils fuel the development of NAFLD through lipid delivery to hepatocytes from adipose tissue	Sanjeeb Shrestha	Kyungpook National University	Korea
P16-001	P-T16D-0234	16. Mitochondria D	Mitochondrial matrix protein LETMD1 maintains thermogenic capacity of brown adipose tissue	Kwang-eun Kim	Seoul National University	Korea
P16-002	P-T16D-0249	16. Mitochondria D	Impaired mitophagy of pulmonary arterial smooth muscle and altered mitochondrial dynamics in monocrotaline-induced pulmonary arterial hypertension model	Seungbeom Oh	Department of Biomedical Sciences, Seoul National University College of Medicine	Korea
P16-003	P-T16F-0320	16. Mitochondria F	Effects and mechanisms of mitochondrial transplantation in Ang II-induced preeclampsia rats	Cui Huixing	Seoul National University College of Medicine	Korea
P16-004	P-T16A-0392	16. Mitochondria A	Reduced MPST/H2S system and myocardial mitochondrial dysfunction in diabetic rats	Tong Su	Yanbian University	Korea
P16-005	P-T16G-0404	16. Mitochondria G	Roles of mitochondria in energy metabolism after heartbeat initiation in the heart primordium of the rat embryo	Tatsuya Sato	Department of Cellular Physiology and Signal Transduction, Sapporo Medical University School of Medicine	Japan
P16-006	P-T16A-0460	16. Mitochondria A	C-terminus of caveolin-1 regulates mitochondrial stress response in vascular smooth muscle cells	Yuko Kato	Oita University	Japan
P16-007	P-T16A-0468	16. Mitochondria A	Etoposide-induced 2.4 (EI24) regulates mitochondrial activity and mitochondrial dynamics	Thu T Bui	Departments of Biochemistry and Global Medical Science, Wonju College of Medicine, Yonsei University	Korea
P16-008	P-T16A-0604	16. Mitochondria A	The Critical Role of TWIK1 in Hair Cell Survival Against Noise-Induced Hearing Loss	Hojin Lee	Korea Food Research Institute	Korea

P16-009	P-T16E-0619	16. Mitochondria E	Identifying mitochondrial matrix protein critical for muscle mitochondrial activity via In vivo proximity labeling	Sang Heon Lee	KAIST	Korea
P16-010	P-T16D-0637	16. Mitochondria D	Fatty acid-dependent mitochondrial activity and its regulation by neuronal nitric oxide synthase in hypertensive rat hearts	Yu Na Wu	Yanbian University Hospital	China
P17-001	P-T17A-0391	17. Cancer physiology A	Mechanism of arsenic trioxide inhibiting melanoma B16 cells in vitro	Chang Gao	Department of Pathophysiology, College of Basic Medicine and Life Science, Hainan Medical University	China
P17-002	P-T17A-0523	17. Cancer physiology A	Overexpression of NUDT16L1 sustains proper function of mitochondria and leads to ferroptosis insensitivity in colorectal cancer	Shih-Chieh Lin	Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University	Taiwan
P17-003	P-T17A-0526	17. Cancer physiology A	Novel epigenetic therapeutic target for retinoblastoma, RB1-deficient tumor	Yong Keun Song	Seoul National University College of Medicine	Korea
P17-004	P-T17A-0532	17. Cancer physiology A	Insulin resistance-associated neddylation impairment promotes accelerated tumor migration	Jun Bum Park	Department of Biomedical Science, Ischemic/hypoxic disease institute, Seoul National University College of Medicine	Korea
P17-005	P-T17B-0213	17. Cancer physiology B	Depletion of UBA6 affects vesicle trafficking by increase of endosomes and exosomes	Dongun Lee	Gachon University	Korea
P17-006	P-T17B-0331	17. Cancer physiology B	Propyl gallate and N-acetyl cysteine effectively protectCalu-6 and A549 lung cancer cells from oxidative stress caused by exogenous H2O2	Eun Hee Choi	Jeonbuk National University.	Korea
P17-007	P-T17B-0333	17. Cancer physiology B	The effects of diethyldithiocarbamate, 3-amino-1,2,4-triazole, or buthionine sulfoximine on cell growth and death as well as redox status in H2O2-treated lung cancer cells	Eun Hee Choi	Jeonbuk National University.	Korea
P17-008	P-T17B-0576	17. Cancer physiology B	Humanin promotes glioblastoma progression through integrin $\alpha$ V-TGF $\beta$ axis	Cuong Ha	Yonsei University, Wonju College of Medicine	Korea
P17-009	P-T17C-0150	17. Cancer physiology C	Development of a high-throughput system for advanced functional cell analysis within immuno-oncology	Elena Dragicevic	Nanion Technologies	Germany
P17-010	P-T17C-0350	17. Cancer physiology C	Loss of ATM activity in macrophages impairs dacarbazine-induced phagocytosis of melanoma cells	Hong-Tai Tzeng	Kaohsiung Chang Gung Memorial Hospital	Taiwan
P17-011	P-T17C-0353	17. Cancer physiology C	The role of PAK4 in the progression of Hepatocellular Carcinoma and its implications for immunotherapy	Yanling Wu	Jeonbuk National University	Korea
P17-012	P-T17C-0443	17. Cancer physiology C	Innovative therapeutic approaches that target HN1 and combined it with PD-1 immune checkpoint blockade in Hepatocellular Carcinoma	Huaxin Zhao	Jeonbuk National University	Korea
P17-013	P-T17E-0173	17. Cancer physiology E	Melanophilin-induced primary cilia drive pancreatic cancer metastasis under glutamine deficiency	Yu-Ying Chao	1. Institute of Basic Medical Sciences, College of Medicine, National Cheng Kung University, 2. Department of Cell Biology and Anatomy, College of Medicine, National Cheng Kung University	Taiwan
P17-014	P-T17F-0159	17. Cancer physiology F	WISP-1 inhibits the migration and invasion of lung cancer cells and cancer-associated fibroblasts preventing lung cancer metastasis	Kyungwon Yang	Department of Physiology, Inflammation-Cancer Microenvironment Research Center, College of Medicine, Ewha Womans University	Korea
P17-015	P-T17F-0193	17. Cancer physiology F	Notch1-WISP-1 signaling in cancer-associated fibroblast stimulated with apoptotic cancer cells inhibits cancer cell growth	Shinyoung Kim	Department of physiology, Inflammation-Cancer Microenvironment Research Center, College of Medicine, Ewha Womans University	Korea
P17-016	P-T17F-0449	17. Cancer physiology F	Cancer cells promote lipolysis of adipocyte derived stem cells by using a cytokine to obtain free fatty acids for cancer proliferation and migration	Jeong-Eun Yun	Seoul National University College of Medicine	Korea
P17-017	P-T17F-0652	17. Cancer physiology F	The effect of necrosis on endoplasmic reticulum stress and unfolded protein response in glioblastoma	Jiwoo Lim	Department of Physiology, Inflammation-Cancer Microenvironment Research Center, College of Medicine, Ewha Womans University	Korea
P17-018	P-T17H-0204	17. Cancer physiology H	Triple-negative breast cancer tumor-targeted treatment using RNA nanoparticles containing anti-miR-21 and the $\alpha$ 9-nAChR aptamer	Li-Ching Chen	China Medical University	Taiwan
P17-019	P-T17H-0214	17. Cancer physiology H	The inhibitory effects of resveratrol on human tongue carcinoma Tca8113 cells and its mechanism	Xiaoyu Zhang	School of Basic Medical Sciences, Lanzhou University	China
P17-020	P-T17H-0328	17. Cancer physiology H	HDAC inhibitor and 5-fluorouracil combination therapy: A novel approach to gastric cancer treatment	Yanling Wu	Jeonbuk National University	Korea
P17-021	P-T17H-0351	17. Cancer physiology H	Treatment of EGFR-mediated tumors via lysosome activity regulation	Dohyang Kim	Daegu Catholic University School of Medicine	Korea
P17-022	P-T17H-0352	17. Cancer physiology H	<i>Paeonia japonica</i> inhibits tumor growth in the mouse CT-26 colon tumor model.	Anlin Zhu	Daegu Catholic University School of Medicine	Korea
P17-023	P-T17H-0356	17. Cancer physiology H	A novel design of tri-layer coating membrane for biliary stent applications: a promising approach for controlled delivery of paclitaxel with anti-sludge advantage	Abdelrahman Ibrahim Mahmoud Rezk	1Department of Physiology, Jeonbuk National University Medical School, BK21FOUR 21st Century Medical Science Creative Human Resource Development Center	Korea
P17-024	P-T17H-0358	17. Cancer physiology H	NIR-responsive composite nanofibers for chemo-phototherapy from controlled drug release to in vitro anticancer synergism	Gahui Lee	Department of Physiology, Jeonbuk National University Medical School	Korea
P17-025	P-T17H-0429	17. Cancer physiology H	Doxorubicin and Panobinostat: A Synergistic Combination for Apoptosis in Colorectal Cancer	Huaxin Zhao	Jeonbuk National University	Korea
P17-026	P-T17H-0462	17. Cancer physiology H	Cyclosporin A inhibits prostate cancer growth through suppression of E2F8	Da young Lee	Seoul National University College of Medicine	Korea
P17-027	P-T17H-0467	17. Cancer physiology H	Development and evaluation of nano-emulsion containing curcumin for transdermal delivery to improve therapeutic effects in breast cancer	Anupa Sivakumar	International Medical University	Malaysia
P18-001	P-T18B-0027	18. Education B	Enhancing physiology learning and practical experimentation with the combination of task-based modul and powerlab in undergraduate medical students	Ami Febriza	Department of Physiology, Faculty of Medicine and Health Sciences, Universitas Muhammadiyah Makassar	Indonesia
P18-002	P-T18C-0183	18. Education C	The role of student standardized patients use in PBL teaching in the construction of first-class courses in physiology	Zhan Ling Dong	Hainan Medical College	China
P18-003	P-T18E-0228	18. Education E	Development of board games intervention for students to enhance the knowledge on depression, anxiety and stress management	Haliza Baharudin	Management & Science University	Malaysia
P18-004	P-T18E-0277	18. Education E	Physiology quiz in Japan: an international quiz-style online competition as the novel medical education for the next generation	Taiki Kudo	Student / Department of Cellular Physiology and Signal Transduction, Sapporo Medical University School of Medicine	Japan
P18-005	P-T18E-0419	18. Education E	Satisfaction from academic activities among final year students in the University of Medicine, Magway, Myanmar	Soe-Minn Htway	University of Medicine, Magway	Myanmar
P18-006	P-T18C-0494	18. Education C	From integrated teaching team to integrated course - problem-based learning was adopted in Hainan Medical University	Shimin Chen	Department of Pathophysiology, Hainan Medical University	China
P18-007	P-T18A-0517	18. Education A	Automated grading of medical students' learning outcome of physiological mechanisms using deep learning models	Ke-Li Tsai	Kaohsiung Medical University	Taiwan
P18-008	P-T18E-0630	18. Education E	Competition—a method of promoting teaching : Brief introduction of Physiological quiz for Chinese students in medical and health-related major	Hong Sun	Xuzhou Medical University	China
P19-001	P-T19C-0003	19. Alternative Medicine C	Unveiling the potentiality of shikonin derivatives inhibiting SARS-CoV-2 main protease by molecular dynamic simulation studies	Raju Das	Dongguk University	Korea
P19-002	P-T19C-0067	19. Alternative Medicine C	Identifying the multi-target pharmacological mechanism of action of genistein on lung cancer by integrating network pharmacology and molecular docking	Raju Das	Dongguk University	Korea
P19-003	P-T19C-0127	19. Alternative Medicine C	Structure-based identification of potent modulators from Centella Asiatica targeting BACE-1	Armin Sultana	Dongguk University	Korea
P19-004	P-T19F-0220	19. Alternative Medicine F	Effects of chitoooligosaccharide-epigallocatechin gallate conjugates on neurodegeneration in rats fed a high-fat diet	Natcha Lerkdumnernkit	Department of Anatomy, Faculty of Medicine, Chiang Mai University	Thailand
P19-005	P-T19F-0219	19. Alternative Medicine F	The effect of chitoooligosaccharides conjugated with epigallocatechin gallate on lipid accumulation in obese rats	Kanokrada Tonpoo	Department of Anatomy, Faculty of Medicine, Chiang Mai University	Thailand
P19-006	P-T19F-0227	19. Alternative Medicine F	The effects of chitoooligosaccharides-epigallocatechin gallate conjugates on obesity-associated metabolic disorders in high-fat diet rats	Sirikul Mueangaun	Department of Anatomy, Faculty of Medicine, Chiang Mai University	Thailand
P19-007	P-T19C-0258	19. Alternative Medicine C	The downregulation of ANO1 by Schisandrathera D presents a promising therapeutic target for the management of prostate and oral cancers	Raju Das	Department of Physiology, Dongguk University College of Medicine	Korea
P19-008	P-T19A-0275	19. Alternative Medicine A	Acupuncture stimulation promoted anti-inflammation signaling in the medial septum and restored caffeine induced hyperarousal in the rats	Su Yeon Seo	Korea Institute Of Oriental Medicine	Korea
P19-009	P-T19C-0279	19. Alternative Medicine C	Nutraceutical effects of Hibiscus Sabdariffa linn on cardiac energy metabolism and aortic tissue oxidative levels in rats fed with vitamin B12 restricted diet	Dewi Irawati Soeria Santoso	Universitas Indonesia	Indonesia
P19-010	P-T19C-0311	19. Alternative Medicine C	Effect of moringa oleifera leaf extract on FGF21 mRNA expression in male wistar rats skeletal muscle	Titing Nurhayati	Universitas Padjadjaran	Indonesia
P19-011	P-T19C-0348	19. Alternative Medicine C	Efficacy analysis of fermented Cordyceps cicadae for amelioration of cataract formation	Evelyn Chu	Department of Medical Laboratory and Biotechnology, Chung Shan Medical University	Taiwan

P19-012	P-T19F-0396	19. Alternative Medicine F	Vasorelaxant properties of hydrolyzed collagen from salmon skin on isolated rat aorta	Pimchanok Mungmuang	Chiang Mai University	Thailand
P19-013	P-T19F-0458	19. Alternative Medicine F	Genistein attenuates diet-induced obesity and metabolic dysfunctions in gonadectomized mice with some sex-differential features	Kasiphak Kaikaew	Center of Excellence in Alternative and Complementary Medicine for Gastrointestinal and Liver Diseases, Department of Physiology, Faculty of Medicine, Chulalongkorn University	Thailand
P19-014	P-T19C-0478	19. Alternative Medicine C	Kelulut honey improves oestrus cycle, hormonal profiles, and oxidative stress markers in Letrozole-induced polycystic ovary syndrome rats	Mohd Helmy Mokhtar	Department of Physiology, Faculty of Medicine, Universiti Kebangsaan Malaysia	Malaysia
P19-015	P-T19C-0502	19. Alternative Medicine C	Protective effect of lotus seed (Nelumbo nucifera) extract on male reproductive toxicity in L-NAME-induced hypertensive rats	Anjaree Inchan	Department of Physiology, Faculty of Medical Science and Center of Excellence for Innovation in Chemistry, Naresuan University	Thailand
P19-016	P-T19C-0533	19. Alternative Medicine C	Chrysosplenol C decreases mitochondrial reactive oxygen species and prevents pathologic progress to heart failure in transverse aortic constriction rat model	Kim Phuong Luong	College of Pharmacy, Chungnam National University	Korea
P19-017	P-T19F-0595	19. Alternative Medicine F	Effects of thermotherapy on Irisin and orexin levels metabolic of factors in middle aged obese woman	Jeong-Beom Lee	Department of Physiology, College of Medicine, Soonchunhyang University	Korea
P19-018	P-T19C-0602	19. Alternative Medicine C	Combinative nutraceutical affecting physiological responses lipidemia in vivo	Aziiz Mardanarian Rosdianto	Department of Biomedical Science, Faculty of Medicine, Universitas Padjadjaran	Indonesia
P19-019	P-T19F-0603	19. Alternative Medicine F	Dance Movement Therapy (DMT) for juvenile delinquents during the COVID-19 Pandemic: Focusing on psychophysiological changes in depression	Jeong-Beom Lee	Department of Physiology, College of Medicine, Soonchunhyang University	Korea
P19-020	P-T19A-0612	19. Alternative Medicine A	Mediation of lateral hypothalamus orexin input to lateral habenula in the inhibitory effects of mechanical stimulation on psychomotor responses induced by cocaine	Han Byeol Jang	Yonsei University, Daegu Haany University	Korea
P19-021	P-T19F-0628	19. Alternative Medicine F	Effects of music therapy as an alternative treatment on depression in children and adolescents with ADHD by activating serotonin and improving stress coping ability	Jong-In Park	Department of Physiology, College of Medicine, Soonchunhyang University	Korea
P19-022	P-T19C-0645	19. Alternative Medicine C	The effect of cytotoxic compounds from nutmeg seed (myristica fragrans) induces apoptosis in melanoma cancer cell's (B16-F10)	Ronny Lesmana	Department of Biomedical Sciences, Faculty of Medicine, Universitas Padjadjaran	Indonesia
P19-023	P-T19C-0651	19. Alternative Medicine C	Exploring the role of propolis on lipid profile of wistar rats with induced dyslipidemia	Putri Teesa Radhiyanti Santoso	Universitas Padjadjaran	Indonesia
P20-001	P-T15I-0735	15. Inflammation and immune physiology I	Safety assessment of fragmented polystyrene microplastics in ICR micr with single- and two week repeated administration	Sijoon Lee	Daegu Gyeongbuk Medical Innovation Foundation	Korea
P20-002	P-T11N-0736	11. Molecular & Cell Biology N	Daidzein inhibits human platelet activation by downregulating thromboxane A <sub>2</sub> production and granule release, regardless of COX-1 activity	Kyung-Soo Nam	Dongguk University, College of Medicine	Korea
P20-003	P-T07I-0737	07. Neuroscience I	Transcutaneous auricular vagus nerve stimulation enhances cerebrospinal fluid circulation and restores cognitive function in the rodent model of vascular cognitive impairment	Seunghwan Choi	Kyunghee University	Korea
P20-004	P-T07A-0738	07. Neuroscience A	Cullin-RING E3 ubiquitin ligase 4 regulates neuritogenesis during neuronal development	Bongki Cho	Division of Biotechnology, DGIST	Korea
P20-005	P-T06I-0739	06. Endocrine, Reproduction I	PCSK9 involves in the high-fat diet-induced abnormal testicular function of male mice	Limin Yue	Sichuan University	China
P20-006	P-T05D-0741	05. Circulatory system D	CircHIPK3 targets DRP1 to mediate hydrogen peroxide-induced necroptosis of vascular smooth muscle cells and atherosclerotic vulnerable plaque formation	Xiaolu Li	Qingdao University	China
P20-007	P-T13H-0742	13. Genomics & Physiome H	Mutational profiles of the BRCA1/2 transcripts in the Taiwanese women population	Sunny Sun	Institute of Molecular Medicine, College of Medicine, National Cheng Kung University	Taiwan
P20-008	P-T14A-0743	14. Stem Cells & Organoid A	IL-10 and TNF alfa as paracrine effect of encapsulated mesenchymal stem cell coating by platelet lysate	Christine Verawaty Sibuea	Faculty of Medicine Universitas HKBP Nommensen	Indonesia
P20-009	P-T07C-0744	07. Neuroscience C	A novel multimodal flexible polyimide neural probe for neural signal recording in mouse	Juyeon Han	Department of Materials Science and Engineering, Yonsei University	Korea
P20-010	P-T11L-0747	11. Molecular & Cell Biology L	CR6 interacting factor 1 deficiency increased homocysteine production by suppressing dihydrofolate reductase expression in vascular endothelial cells	Minsoo Kim	Chungnam National University College of Medicine	Korea
P20-011	P-T07E-0748	07. Neuroscience E	Hypothalamic SF1-expressing neurons encode a conspecific-tuned, sex-specific behavioral state that modulates social investigation	Shih-Che Lin	Institute of Biomedical Sciences, Academia Sinica	Taiwan
P20-012	P-T17A-0749	17. Cancer physiology A	Differential expression of ORAI channels and STIM proteins in renal cell carcinoma subtypes: Implications for metastasis and therapeutic targeting	Ji-Hee Kim	Soonchunhyang University	Korea
P20-013	P-T15E-0751	15. Inflammation and immune physiology E	Secretion of APE1/Ref-1 and its role in vascular inflammation	Hee Kyoung Joo	1 Department of Medical Science, College of Medicine, Chungnam National University 2. Research Institute for Medical Sciences, College of Medicine, Chungnam National University	Korea
P20-014	P-T09A-0752	09. Digestive physiology A	Electroacupuncture alleviates ulcerative colitis by targeting CXCL1: evidence from the transcriptome and validation	Qiaofeng Wu	Chengdu University of Traditional Chinese Medicine	China
P20-015	P-T03D-0753	03. Heart D	The zinc transporter ZIP7 plays a critical role in ferroptosis induced by ischemia/reperfusion in mouse hearts	Hualu Zhang	Tianjin Medical University	China
P20-016	P-T19A-0754	19. Alternative Medicine A	Electroacupuncture for chronic neuropathic pain on astroglial glutamate-glutamine	Junying Wang	Institute of Acupuncture and Moxibustion, China Academy of Chinese Medical Sciences	China
P20-017	P-T07B-0755	07. Neuroscience B	Spatial transcriptomics shows moxibustion promotes hippocampus astrocyte and neuron interaction	Lushuang Xie	Traditional Chinese Medicine of Chengdu University	China
P20-018	P-T11A-0756	11. Molecular & Cell Biology A	Residues in the rib helix of TRPC4 regulate conformation and transmission of G protein activation signal to channel gating	Chansik Hong	Chosun University College of Medicine	Korea
P20-019	P-T17F-0757	17. Cancer physiology F	Immune modulation through synergistic interplay of gamma irradiation and interleukin-33 sensitization in mice-bearing EMT6 tumor model.	Nurhaslina Hasan	Universiti Teknologi MARA	Malaysia
P20-020	P-T09C-0758	09. Digestive physiology C	Lubiprostone promotes intestinal motility by activating the TRPC4 channel in the colonic myocyte	Chansik Hong	Chosun University College of Medicine	Korea
P20-021	P-T11A-0759	11. Molecular & Cell Biology A	Low concentrations of tricyclic antidepressants stimulate TRPC4 channel activity by acting as an opioid receptor ligand	Byeongseok Jeong	Seoul National University	Korea
P20-022	P-T11N-0760	11. Molecular & Cell Biology N	17 β-Estradiol induces APE1/Ref-1 secretion in vascular endothelial cells though calcium-dependent exosome pathway.	Yu Ran Lee	Research Institute for Medical Sciences, College of Medicine, Chungnam National University	Korea
P20-023	P-T07G-0761	07. Neuroscience G	Magnetothermal brain stimulation modulates synaptic plasticity of the primary somatosensory cortex in adult mice.	Minhee Jeong	Department of Physiology, Graduate School of Medical Science, Brain Korea 21 Project, Yonsei University College of Medicine	Korea
P20-024	P-T02B-0762	02. Exercise B	Amplification effect of exercise on intermittent fasting impact to modulate body composition in obese females	Purwo Sri Rejeki	Universitas Airlangga	Indonesia
P20-025	P-T11P-0763	11. Molecular & Cell Biology P	The APE1/Ref-1 induces anti-adipogenic function by inhibiting adipocyte differentiation in 3T3-L1	Eunok Lee	Chungnam National University	Korea
P20-026	P-T05D-0764	05. Circulatory system D	Ulinastatin attenuates vascular damage in IDH2-deficient endothelial cells via TGF-β/MMP7/SDS2 signaling pathway.	Giang-Huong Vu	Chungnam National University	Korea
P20-027	P-T07I-0765	07. Neuroscience I	Amyloid beta oligomer activates the microglial NOD2/RIPK2 signaling via ER stress.	Cat Tuong Chau	Yonsei university Wonju college of Medicine	Korea
P20-028	P-T19C-0766	19. Alternative Medicine C	The effect of ginger extract on cisplatin-induced acute anorexia in rats	Hyeonah Kim	1. Department of Physiology, College of Korean Medicine, Kyung Hee University 2.Korean Medicine-Based Drug Repositioning Cancer Research Center, College of Korean Medicine, Kyung Hee University	Korea
P20-029	P-T05G-0768	05. Circulatory system G	Vascular Endothelial KLK8 Is Involved in Placental Development and Fetal Growth by Regulating Spiral Artery Remodeling	Xin Ni	Central South University Xiangya Hospital	China
P20-030	P-T07A-0769	07. Neuroscience A	Exploring the arousal effect of transcutaneous auricular vagus nerve stimulation : A case series	Jinling Zhang	Institute of Acupuncture and Moxibustion China Academy of Chinese Medical Sciences	China
P20-031	P-T07L-0770	07. Neuroscience L	A cortical circuit mechanism underlying inflammatory chronic pain	Yoo Rim Kim	Department of Physiology, Seoul National University College of Medicine	Korea
P20-032	P-T15B-0771	15. Inflammation and immune physiology B	Single cell transcriptome analyses reveal the roles of B cells in fructose-induced hypertension	Cheong-Wun Kim	Kyungpook National University	Korea
P20-033	P-T03G-0772	03. Heart G	<i>Akkermansia muciniphila</i> extracellular vesicles have a protective effect against hypertension	Zainab Yetunde Olarinoye	Kyungpook National University	Korea
P20-034	P-T07L-0773	07. Neuroscience L	Neural responses of VPm thalamus on texture discrimination task	Hyeonyeong Jeong	Yonsei university	Korea
P20-035	P-T07C-0774	07. Neuroscience C	Demystifying molecular basis of sleep: intracellular signaling behind regulation of sleep depth and quantity	Staci Jakyong Kim	WPI-IIIS, University of Tsukuba	Japan
P20-036	P-T07D-0776	07. Neuroscience D	Changes in neuronal feature selectivity by synaptic plasticity and astrocytic tonic GABA in the ventrobasal (VB) thalamus	Chanmi Park	Department of Biotechnology, College of Life Science and Biotechnology, Yonsei University	Korea



P20-037	P-T11O-0780	11. Molecular & Cell Biology O	Biomaterials regulate the intracellular signaling pathways of cell proliferation	Jinhong Wie	Catholic University	Korea
P20-038	P-T05B-0783	05. Circulatory system B	Differential contribution of caveolae to serotonergic and adrenergic vasoconstriction in rat arteries.	Dong Jun Sung	Konkuk University	Korea
P20-039	P-T07I-0785	07. Neuroscience I	Neurotoxic reactive astrocytes induce mitochondrial dysfunction-mediated neuronal cell death in neurodegenerative disease by exosomal secretion of Drp1	HanByeol Kim	Mitohormesis Research Center, Yonsei University, Wonju College of Medicine	Korea
P20-040	P-T10D-0788	10. Renal physiology D	Agomelatine alleviates obesity induced kidney damage through the inhibition of renal inflammation and necroptosis pathways in obese insulin resistant rat model.	Sasivimon Promsan	Chiang Mai University	Thailand
P20-041	P-T03F-0791	03. Heart F	Effects of human mesenchymal stem cell-derived mitochondria on the old and young donor hearts	Liyuan Jin	Seoul National University	Korea
P20-042	P-T02B-0797	02. Exercise B	HLIT paradigm: Evaluating alterations in hematological and metabolic parameters	Setya Rahayu	Universitas Negeri Semarang	Indonesia
P20-043	P-T11B-0799	11. Molecular & Cell Biology B	Suppression of TGF-β/integrin signaling by klotho prevents transdifferentiation of hepatic stellate cells and liver fibrosis	Soojin Kim	Department of Physiology, Mitohormesis Research Center, Yonsei University Wonju College of Medicine	Korea
P20-044	P-T01C-0800	01. Muscle C	Effects of homoharringtonine on muscle atrophy and muscle function in Dmd <sup>mdx</sup> mice	Suryun Jung	School of medicine, Yeungnam University	Korea
P20-045	P-T15H-0801	15. Inflammation and immune physiology H	Development of ScFv for repression of type II inflammation produced in <i>nicotiana benthamiana</i>	Beom Jun Kwon	Yonsei University	Korea
P20-046	P-T07L-0803	07. Neuroscience L	The effect of hepatocyte growth factor in TRPV1-mediated pain	Yi Seul Han	Hanyang University	Korea
P20-047	P-T04A-0804	04. Respiratory Systems A	Interactions between magnesium and calcium ions: Deciphering their impact on pulmonary artery smooth muscle cell calcification	Qin-Ye Chen	Fujian Medical University	China
P20-048	P-T05C-0805	05. Circulatory system C	Role and mechanism of circZKSCAN1 in regulating endothelial cell function and endothelial repair	Xiaolu Li	Qingdao University	China
P20-049	P-T19F-0806	19. Alternative Medicine F	WITHDRAW	Yu Tao	qingdao university	China
P20-050	P-T18E-0807	18. Education E	Research on internet-based and real-time drug supervision and regulation in the whole process	Yunhong WU	Dalian Medical University	China
P20-051	P-T03C-0808	03. Heart C	Peripheral injection of PNX14 can effectively alleviate chronic heart failure by reducing oxidative stress and inflammation	liang zhu	Dalian Medical University	China
P20-052	P-T17H-0809	17. Cancer physiology H	Combination therapy strategy to overcome resistance to EGFR inhibitors in NSCLC with <i>Paemoniae Radix</i>	Heerim Yeo <sup>†</sup>	College of Pharmacy, Chungnam National University	Korea
P20-053	P-T15A-0810	15. Inflammation and immune physiology A	Development of novel agonistic anti-Siglec-8 nanobody for allergic disease therapy.	Geun Ah Kim	Yonsei University	Korea
P20-054	P-T03C-0811	03. Heart C	Compensatory upregulation and cardioprotective roles of neuregulin-1 in diabetic cardiomyopathy	Satomi Adachi-Akahane	Department of Physiology, Faculty of Medicine, Toho University	Japan
P20-055	P-T07G-0812	07. Neuroscience G	Cerebellar systems consolidation driven by the temporal dynamics of Purkinje cell excitability	Jewoo Seo	Seoul National University College of Medicine	Korea
P20-056	P-T11C-0813	11. Molecular & Cell Biology C	Unraveling the pivotal role of WNK1 in hepatic stellate cell activation and fibrosis	Boyeong An	Department of Integrative Biology, University of California	USA
P20-057	P-T15C-0814	15. Inflammation and immune physiology C	Transcriptome-based systematic analysis of the molecular mechanisms of Bojungikki-Tang on immune cell networks	Sang-Yun Kim <sup>†1</sup>	College of Pharmacy, Chungnam National University	Korea
P20-058	P-T06H-0815	06. Endocrine, Reproduction H	Exposure to chronic hypobaric hypoxia of 450 mmHg affects reproductive hormones, follicular dynamics, autophagy & related signalling pathways in ovaries of adult female rats.	Anil Kumar Yadav	Department of Physiology, Institute of Medical Sciences, Banaras Hindu University	India
P20-059	P-T15H-0816	15. Inflammation and immune physiology H	A novel anti-SIRPα nanobody to induce ADCP for enhanced cancer immunotherapy	Jin Kyung Oh	Yonsei University	Korea
P20-060	P-T07F-0817	07. Neuroscience F	Design and development of a cost efficient modular mesoscope for brain imaging in rodents	Ashly Jose	Interdisciplinary Institute for NeuroScience, University of Bordeaux	France
P20-061	P-T15C-0818	15. Inflammation and immune physiology C	Effect of P2X7 receptor on spontaneous Ca <sup>2+</sup> oscillation of microglia cells	Kyoung Sun Park	Wide River Institute of Immunology, Seoul National University	Korea
P20-062	P-T11A-0819	11. Molecular & Cell Biology A	Activation of TRPV3 is required for keratinocyte differentiation and epidermal barrier formation.	Elina Da Sol Chung	Department of Biomedical Sciences, Seoul National University College of Medicine	Korea
P20-063	P-T07J-0820	07. Neuroscience J	Effects of long-term cannabinoid modulation on seizures and associated behaviors in a temporal lobe epilepsy mouse model.	Tsengel Bayarsaikhan	Department of Physiology, School of Medicine, Eulji University	Korea
P20-064	P-T17F-0821	17. Cancer physiology F	Decoding the extracellular matrix uncovers cancer-associated fibroblasts specific to histologic subtypes in gastric cancer.	Hyun Jin Lee	KAIST	Korea
P20-065	P-T09E-0822	09. Digestive physiology E	Nutritional content and morphometrics of black soldier fly larvae grown on coconut dregs-based substrate	Chitra Kumalasari	Universitas Padjadjaran	Indonesia
P20-066	P-T07G-0823	07. Neuroscience G	Neural mechanisms of spatial learning: A comparative study of successor features and predecessor features algorithms	Hyunsu Lee	Department of Physiology, School of Medicine, Pusan National University	Korea
P20-067	P-T09E-0824	09. Digestive physiology E	Probiotic composition of fermented cow and soy milk effect to improving enzyme activities and decreasing blood lipid in female wistar rats	Lovita Adriani	Universitas Padjadjaran	Indonesia
P20-068	P-T18A-0826	18. Education A	QR-code linked bite-sized teaching videos as a powerful tool to facilitate active learning in the post-corona smartphone era	Takao Shioya	Saga University	Japan
P20-069	P-T03A-0827	03. Heart A	Arrhythmogenesis in heart cells involves reverse E-C coupling and reverse electrotonic conduction along T-tubules.	Takao Shioya	Saga University	Japan
P20-070	P-T07G-0828	07. Neuroscience G	Nicotinic regulation of thalamocortical input-induced feedforward processing in mouse primary auditory cortex.	Makoto Nakanishi	Soka University, Faculty of Science and Engineering, Department of Science and Engineering for Sustainable Innovation	Japan
P20-071	P-T07J-0829	07. Neuroscience J	Alterations of posture and kinematics of the mouse model of ADHD due to decreased tonic inhibition in the cerebellum	Jong Min Kim	Dankook university	Korea
P20-072	P-T07J-0830	07. Neuroscience J	Minimal burden of somatic mutations leading to epileptogenesis in FCD II	Jintae Kim	KAIST	Korea
P20-073	P-T15F-0840	15. Inflammation and immune physiology F	Differential role of interleukin 1- beta and hepcidin in predicting iron deficiency anemia among IBD patients: a case-control study from Jordan	Mohammad Alqudah	Department of Physiology, College of Medicine and Medical Sciences, Arabian Gulf University	Bahrain
P20-074	P-T11S-0843	11. Molecular & Cell Biology S	In Vivo Imaging of the Angiogenetic Process of Endothelial Progenitor Cells in Mouse Ischemia Model	Hyungjin Kwon	IVIM Technology, Korea	Korea
P20-075	P-T11E-0844	11. Molecular & Cell Biology E	Structural analysis of the multidrug efflux transporter P-glycoprotein bound by an inhibitor	Norie Hamaguchi	Graduate School of Medical and Pharmaceutical Sciences, Chiba University, Japan	Japan