실험동물연구장학생(그룹Ⅰ) Poster

포스터 번호	제목	발표자
PS-R-01	The involvement of PDE4 in the protective effects of melatonin on cigarette-smoke-induced chronic obstructive pulmonary disease	Woong il Kim
PS-R-02	Anticancer effect of [6]-gingerol via activation of AMPK and suppression of AKT/mTOR signaling pathway in oral cancer cell	Eungyung Kim
PS-R-03	Metabotropic glutamate receptor 5 enhances cytotoxic effect of NK cells against hepatic stellate cells and ameliorates liver fibrosis	Tom Ryu
PS-R-04	Dual utility NF-κB reporter mouse for non-invasive monitoring of ubiquitous and cell-type-specific inflammation	Se Yong Park
PS-R-05	Anti-asthmatic effects of Phlomis umbrosa Turczaninow using ovalbumin induced asthma murine model and network pharmacology analysis	So-Won Pak
PS-R-06	Glaucoma-therapeutic effects of exosome-rich conditioned media from human amniotic membrane stem cells	Hye-Rim Seong
PS-R-07	Comparison of murine retroorbital plexus and facial vein blood collection to mitigate animal ethics issues	Jeong-Hwan Yoon
PS-R-08	Effect of Yijin-Tang, an oriental traditional formula, on allergic responses using an ovalbumin-Induced murine asthma model	Se-Jin Lee
PS-R-09	Melatonin alleviates silica nanoparticle-induced lung inflammation via thioredoxin-interacting protein downregulation	Je-Oh Lim
PS-R-10	Oral administration of polystyrene microplastics for 2 weeks induces chronic constipation in ICR mice	Yun Ju Choi

해부생리 Poster

포스터 번호	제목	발표자
PS-A-01	The neuroprotective effects of phosphoglycerate mutase 5 are mediated by decreasing oxidative stress in HT22 hippocampal cells and gerbil hippocampus	Hyo Young Jung
PS-A-02	Therapeutic effects of stiripentol against ischemia-reperfusion injury in gerbils: a focus on cognitive deficit, neuronal death, astrocyte damage and BBB leakage in the hippocampus	Hyejin Sim
PS-A-03	Synergic regeneration effects using polydeoxyribonucleotide through extracorporeal shock wave therapy on atrophied calf muscles in immobilized rabbits	Dong Rak Kwon
PS-A-04	Protective effects of Dangguisu-san, a Korean Medicine prescription on traumatic brain injury mice model focused on hemorrhage	Jinhyun Bae
PS-A-05	Expression and regulation of TAZ during the estrous cycle in mouse uterus	Semi Hwang
PS-A-06	Expression of piezo2 in the human dental pulp and the sensory root of the rat trigeminal ganglion	Hye Min Han, Su Bin An
PS-A-07	Anti-tumoric effects of pH-sensitive nanoparticle loaded doxorubicin and celecoxib on NSCLC cells	Min Soo Kang
PS-A-08	Anti-inflammatory effect of methanol extract of Capparis ecuadorica in phthalic anhydride-induced atopic dermatitis of IL-4/Luc/CNS-1 transgenic mice	Su Jin Lee
PS-A-09	Laxative effects of phlorotannins derived from Ecklonia cava on loperamide-induced constipation in SD rats	Ji Eun Kim
PS-A-10	Difference and similarities on the anti-tumor effects of cisplatin in CT26 syngeneic tumors of three BALB/c substratins	Jeong Eun Gong
PS-A-11	Age-dependent thickness of skin layer affects the ovalbumin-induced porcine atopic dermatitis	Han Na Suh
PS-A-12	The experimental orthodontic tooth movement in ovariectomized rat model: a pilot study	Hyun-Na Ahn
PS-A-13	Selective brain hypothermia model using trans-arterial hypothermic infusion : a safety and feasibility study in rats	Bitnarae Kwak, Gunhee Jo
PS-A-14	NLRP3-loaded nanoparticles attenuate SNL-induced neuropathic pain through decreased microglia activation	Nayoung Gong
PS-A-15	Amitriptyline-loaded nanoparticles provide a prolonged analgesic effect by enhanced targeting of microglia in neuropathic pain	Song I Kim

PS-A-16	Elucidating the characteristics of Mx1 and resistance to influenza A virus subtype H1N1 in the newly developed KWM/Hym mice	Boyoung Kim
PS-A-17	Gender differences on pancreatic beta cell dysfunction and insulin secretion in type 2 diabetic ICR mice	Eun Sun Park
PS-A-18	Ultrasound mediated miR146a-5p nanoparticles protect photothrombotic cerebral infarction	Seung Gyu Choi
PS-A-19	The reduction of SAT1 via shRNA-encapsulated PLGA nanoparticles showed a significant alleviation of neuropathic pain	Juhee Shin
PS-A-20	Collective mice acute migraine model using nitroglycerin (NTG)	Donghun Jeon
PS-A-21	Entelon (vitis vinifera seed extract) reduces degenerative changes in bovine pericardium valve leaflet in a dog intravascular implant model	Sokho Kim
PS-A-22	Regeneration of calvarial defect mouse models via implantation of scaffolds inducing early osteogenic commitment of the tonsil-derived mesenchymal stem cells	Wonmoon Song
PS-A-23	Novel photoactivatable tyrosinase for in situ artificial melanin synthesis	Eunhye Shin
PS-A-24	Enzyme mediated immune-suppressive hydrogel fabrication for wound regeneration of animal model	Beom Seok Kim
PS-A-25	Evaluation of anti-cancer effects of M60 as a novel 5-HT2A antagonist in colorectal cancer	Jun-Young Choi
PS-A-26	Meniscus regeneration using injection of mechanically reinforced hydrogel in rabbit segmental meniscectomy model	Jung-Hun Kim
PS-A-27	Echocardiography and PV loop analysis in cardiac function test	Woori Jo
PS-A-28	Chitosan extracts from Hermetia illucens improve lipid metabolism in high fat diet mouse model and inhibit adipogenesis in 3T3-L1 cells	Eun-Ju Kim
PS-A-29	Guarana extract inhibits obesity through suppression of adipogenesis and in 3T3-L1 cells and high-fat diet-induced obese mice	Ye-Young Kim
PS-A-30	The sesquiterpene lactone estafiatin exerts anti-inflammatory effects on macrophages and protects mice from LPS-induced septic shock lethality	Jae-Hun Ahn
PS-A-31	Regulating long-term blood glucose level of type 1 diabetes mouse by transplantation of hydrogel nanofilm encapsulated pancreatic β-cell spheroids	Dong-Hyun Lee
PS-A-32	Estafiatin, a sesquiterpene lactone from the ethanol extract of Artemisia scoparia Waldst. & Kitam (A. scoparia), suppresses LPS-induced cytokine production in BV-2 microglia cell line	Yeong-Jun Kim
PS-A-33	Impairment of novel object recognition and synaptic plasticity from the hypergravity exposed rats	Doohyeong Jang
PS-A-34	Immunomodulatory effects of a celluclast enzymatic extract from Sargassum horneri on murine splenocytes	Ji Won Yang
PS-A-35	High sucrose intake exacerbates airway inflammation in OVA-induced allergic asthma	Duong Thi Thuy Dinh
PS-A-36	Hepatic MIR20B promotes nonalcoholic fatty liver disease by suppressing PPARA	Hyun-Jun Jang
PS-A-37	Micro-current stimulation suppresses lipid accumulation in 3T3-L1 cells, FL83B cells and high fat diet-induced obese mice model	Hana Lee
PS-A-38	CFP1 participates in the regulation of progesterone signaling to suppress endometriosis	Seung Chel Yang
PS-A-39	Abnormal neuronal migration of Pitx3-deficient aphakia mouse (ak/ak) in the embryonic mesencephalon	Gunjan Thakur
PS-A-40	Addition of peptides alters the crystal microstructure in hydrogel matrices and modulates the bio-activity	Arun Kumar Rajendran
PS-A-41	Application of angiography and histopathology to the observation of tail blood vessel structure in cynomolgus monkeys	Ji Min Park
PS-A-42	An application of convolution neural network for analyzing hepatic fibrosis in mouse	Hyun-Ji Kim
PS-A-43	Human perivascular stem cells alleviate gonadotoxicity of cyclophosphamide in the mouse ovary	Ji Yun Park
PS-A-44	Melatonin prevents preterm birth and improves fetal lung development in a mouse model of inflammation-induced preterm birth	So Hee Park

PS-A-45	Understanding of uterine re-epithelialization in a murine model of menstruation	So Hee Park
PS-A-46	Effects of the ovary-derived cell on functional recovery in mouse POI model	Eun Hye Park
PS-A-47	Investigation of dexamethasone-mediated intestinal fructose transporter GLUT5 expression in intestinal epithelial cells	Soonjae Hwang
PS-A-48	Evaluation of micro-current stimulation for improving insulin resistance and regulating blood glucose in *db/db* mice	Minjoo Lee
PS-A-49	The effect of Interleukin-1β on mesenchymal transition of endothelial cells	Jun Su Im
PS-A-50	Water-filtered infrared A (wIRA) on wound healing rat full thickness skin wounds	Ki-Min Seong

독성병리 Poster

포스터 번호	제목	발표자
PS-B-01	Efficacy of methanol extract of a Sarsassum micracanthum against human head and neck squamous cell carcinoma aggression	Min-Hye Ahn
PS-B-02	Metastatic potential and prognostic significance of PAIP1 in oral squamous cell carcinoma	Su-Jung Choi
PS-B-03	Analysis of major disease antibody change for 2020-born laying hens in Poultry Research Institute	Are-Sun You
PS-B-04	Comparison of the in vivo response after oral administration and inhalation of microplastics	You Jeong Jin
PS-B-05	Anticancer effects of policosanol in gastric cancer cells-derived xenograft cancer model	Sunyi Lee
PS-B-06	The Deep learning-based classification of sepermatogenesis stages in rat testis	Jinhyung Rho
PS-B-07	Effects of nanoplastics for maturing oocytes and embryo development in mouse	Hyeong-ju You
PS-B-08	Particulate matter exposure during oocyte maturation: cell cycle arrest, ROS generation, and early apoptosis in mice	Yu-Jin Jo
PS-B-09	Anti-osteoarthritic effects of Lindera obtusiloba leaf extracts in vitro and in vivo	Eunkuk Park
PS-B-10	Short-term carcinogenicity study of N-methyl-N-nitrosourea in FVB/N-Trp53 heterozygous mice	Na-Won Kim
PS-B-11	Respiratory safety evaluation in mice and inhibition of adenoviral amplification in human bronchial endothelial cells using a novel type of chlorine dioxide gas reactor	Haesung Yang
PS-B-12	CNN(convolutional neural network) model development for analysis of acetaminophen or 1-naphthyl Isothiocyanate-induced liver necrosis in mouse	Tae-Yang Jung
PS-B-13	Artificial intelligence-assisted analysis of whole slide image with acetaminophen or 1-naphthyl Isothiocyanate-induced liver necrosis in mouse	Tae-Yang Jung
PS-B-14	Therapeutic effect of Compound C in idiopathic pulmonary fibrosis via protecting to alveolar epithelial cell	Jeahyun Park
PS-B-15	Inhibiton of RAGE diminish cigarette smoke-induced lung epithelial cell damage and improve PPE induce emphysema in mouse	Jimin Jang
PS-B-16	Establishment of novel mice model of acute exacerbation of chronic obstructive pulmonary disease	Donghyeon Cheon, Hyosin Baek
PS-B-17	Comparative analysis of historical background data of 13-week repeated toxicity study between Sprague-Dawley rat and Fischer 344 rat	Ki Hoon Kim
PS-B-18	Unripe apple alleviates dextran sodium sulfate(DSS)-induced ulcerative colitis in BALB/c mice	Hana Jang
PS-B-19	Targeted sampling plan & analysis in scopolamine, methscopolamine and diphenhydramine in horse muscle	Sunjin Park
PS-B-20	Development of a photochemical thrombosis investigation system to obtain a rabbit ischemic stroke model	Yoon Beom Lee
PS-B-21	Inhibition of TLR signaling by cell-penetrating peptide ameliorates DSS-induced colitis through the modulation of type 17 helper T cells	Dohyeon Chung
PS-B-22	Neuroprotective effects of 4-(2Chloro-4-Fluorobenzyl)-3-(2-Thienyl)-1,2,4-oxadiazol-5(4H)-one against pentylenetetrazole (PTZ)-induced epileptic neurochemistry in the zebrafish model	Seong Soon Kim
PS-B-23	Histopathological examination: evaluation of tissue damage in pig kidneys by embolic microspheres	Sokho Kim

PS-B-24	Effects of test articles on FPC-induced fatty liver disease mouse models	Sokho Kim
PS-B-25	Segmentation of histology images of portal triad in liver of SD rat through deep learning algorithms	Jae-Woo Cho
PS-B-26	Segmentation of histology images of mononuclear cell infiltration in liver of SD rat through deep learning algorithms	Jae-Woo Cho
PS-B-27	Obesity-induced metabolic disorders are accelerated in RIG-I deficient mice	Jin Kyung Seok, Jee Jung In
PS-B-28	The immunomodulatory effect of Lysophosphatidylcholine (LPC) in LPS-induced septic mouse	Soi Jeong
PS-B-29	Toxicity evaluation of surfactants using daphnia magna	Sea Hee Song
PS-B-30	Citrus Reticulata Peel Oil의 Local lymph node assay(LLNA)를 이용한 피부감작성평가	Hee Pyoung Park
PS-B-31	Intravital imaging set up of neutrophil extracellular trap in mouse brain to investigate the role of neutrophils in neuroinflammatory diseases	Da Jeong Byun
PS-B-32	Sargassum horneri ameliorates particulate matter-induced allergic asthma through the inhibition of Th2/Th17 response and TGF-β/smad2 signaling pathway	Hyo Jin Kim
PS-B-33	SIRT7 controls the sensitivity of liver cancer to sorafenib in a nude mouse xenograft model	Yuna Kim
PS-B-34	CIPN causes the abnormalities of an autonomic nervous system due to the effect of VR1 and CGRP1 associated the motor neuron degeneration in the spinal cord	Min-A Je
PS-B-35	Effect of perinatal and postnatal perfluorooctanoic acid (PFOA) exposure to the hypothalamus and gonads of mice	Hun Kim
PS-B-36	Single oral dose toxicity test of DMZ-33, 71 and 77 in Balb/c mice	Min Hee Hwang
PS-B-37	Targeted sampling plan & analysis in diethylcarbamazine and guaifenesin in horse muscle	Sunjin Park
PS-B-38	Comparison of anti-obesity effects of plant root extract from polygonaceae in 3T3-L1 preadipocytes by harvest period	Moon-Yeol Choi
PS-B-39	Black ginseng ameliorates testosterone-induced benign prostate hyperplasia in rats	Yeon Su Lee
PS-B-40	Protective effects of Baicalin, Vanillin and Gastrodia elata blume extract against the renal injury induced by Vancomycin in rats	Da Eun Jung
PS-B-41	The investigation of pesticide poisoning in honey bee in 2021	Hyobi Kim, Chung-Oui Hong
PS-B-42	Selection of proficiency test chemicals during the Spectro-DPRA validation study, a modified in chemico skin sensitization test method	Bae-Hwan Kim

미생물 Poster

포스터 번호	제목	발표자
PS-C-01	SMAD4 suppresses allergic contact dermatitis by inhibiting cytotoxic T lymphocyte-induced Th1 apoptosis	Jeong-Hwan Yoon
PS-C-02	Germ free mice are susceptible to gastric cancer induced by N-methyl-N-nitrosourea	Jiseon Kim
PS-C-04	Dclk1-positive tuft cells increased in germ-free mouse stomach	Nakyum Lee
PS-C-05	Characterization of pathogenicity and transmission ability of canine Influenza virus with partially truncated NS gene and application to vaccine candidate	Jae Hyun Hwang
PS-C-06	Host- and species-dependent quasispecies divergence of severe acute respiratory syndrome coronavirus-2 in non-human primate models	Eun-Ha Hwang
PS-C-07	Effect of yogurt including probiotics against respiratory virus infection including both influenza H1N1 and SARS-CoV-2	Sokho Kim
PS-C-08	Cell penetrating TLR antagonist peptide inhibits the TLR-MyD88 signaling and mitigates MRSA-induced sepsis	Seongwon Pak
PS-C-09	Oral administration of D-galactose ameliorates DNCB-induced atopic dermatitis mouse model by modulation of gut microbiota	Do-hyeon Jung
PS-C-10	Protective effects of Heat killed Lactobacillus sakei CVL-001 on DSS induced colitis mice model	Dong Yeon Kim

PS-C-11	Health monitoring for non-human primate of K-MEDI hub laboratory animal center	Minji Seong
PS-C-12	Effect of chronic kidney disease on periodontitis-induced alveolar bone loss	Youn Soo Lee

유전자질환모델 Poster

포스터 번호	제목	발표자
PS-D-02	Histamine is required for macrophage phagocytic activity to elimination of bacteria	Kwang H. Kim
PS-D-03	Human delta like 1-expressing human mesenchymal stem cells promote human T cell development and antigen-specific response in humanized NOD/SCID/IL-2Rgnull (NSG) mice	Bongkum Choi
PS-D-04	Anti-tumor effects of pembrolizumab (a-PD1) in humanized NSG PDX mice xenografted with dedifferentiated liposarcoma	Bongkum Choi
PS-D-05	Effect of liver-specific RagA/B gene deletion on mouse glycogen metabolism	Seonggon Kim
PS-D-06	Oncogenic role of Rab25 in MMTV-PyMT breast cancer model	Chan Yang Uhm
PS-D-07	Effect of SARS-CoV-2 on embryonic implantation and development in the K18-hACE2 transgenic mouse model	Byeongseok Kim
PS-D-08	A mouse model for SARS-CoV-2 infection using adeno-associated virus encoding hACE2	Won Seok Choi
PS-D-09	MiRNA expression profile in canine mammary gland tumor	Chae Young Kim
PS-D-10	Ablation of viperin accelerates atherosclerosis in apolipoprotein E-deficient mice	Jae Bong Lee
PS-D-11	Production of α-galactosidase A knockout and human thrombospondin-1 overexpression mouse model to evaluate lysosomal storage disease (LSD)	Dong-Won Seol
PS-D-12	FXR activation & 1C metabolism : novel therapeutic targets for colorectal cancer	Min Ki Kim
PS-D-13	GADD45β regulates hepatic gluconeogenesis via modulating the protein stability of FoxO1	Hyunmi Kim
PS-D-14	AT1, a protein derived from Akkermansia Muciniphila, ameliorates a Western diet-induced metabolic deterioration and atherosclerosis in apolipoprotein E knockout mice	Min Ji Cho
PS-D-15	Identification of biomarkers for prediabetes and diabetes mellitus in mouse model	Jae-Ho Lee, Soo Young Park
PS-D-16	One carbon metabolism is crucial for survival of aggressive gastric cancer subtype.	Hyeonhui Kim
PS-D-17	Prdx5 regulates bone homeostasis by interacting with hnRNPK in skeletal tissue	Tae-Hoon Lee
PS-D-18	A Novel adeno-associated virus (AAV) vector system for CRISPR/Cpf1-mediated multiplex gene editing	Gyeong Nam Kim
PS-D-19	Perilipin 5 is regulated by LRH-1 and is a key mediator of hepatic triglyceride metabolism in the fasting liver	Eun-Ho Lee, Hee-Kyung Han
PS-D-20	Applicability of pharmacological research for metabolic diseases in the Leprdb/Korl mouse	Jae-Hong Min
PS-D-21	A method of increasing the fidelity of CRISPR-Cas9 using an intentional mismatch	Yeon Ju Jung
PS-D-22	Parkinson's disease promotes the hippocampal NOX4 expression relating with neuroinflammation and a behavioral phenotyping disability in MPTP model	Napissara Boonpraman
PS-D-23	The Purkinje cell by MPTP-induced Parkinson's disease is morphologically changed and contributes to the deficits of motor function	Sunmi Yoon
PS-D-24	Optimization for microinjection of klotho protein in porcine embryos	Eun Pyo Kim, Min Young Heo
PS-D-25	Ventromedial hypothalamic primary cilia control energy and skeletal homeostasis	Ki Woo Kim
PS-D-26	Correlation of UPS and cellular stress transcription factor of pancreatic cancer cell line	Jae Woong Jeong
PS-D-27	Effects of Allium hookeri root on scopolamine-induced cholinergic blockade mice model	Ji-Hye Choi
PS-D-28	Effects of Platycodon grandiflorum on cyclophosphamide-induced immunosuppression in mice	Ji Su Kim
PS-D-29	Neuroinflammation inhibitory effect of Allium hookeri extracts on scopolamine-induced mouse model	Ji-Hye Choi

PS-D-30	HDAC11 is involved in myogenic differentiation through its enzymatic activity	Tae hyeon An
PS-D-31	Development of animal model using transgenic mouse expressing enteroviral receptor for evaluation of foot and mouth disease vaccine	Sokho Kim
PS-D-32	Efficient T cell engraftment in busulfan treated hPBMC-NIG mice	Dae-Yeul Yu
PS-D-33	Sema4D deficiency improved metabolic phenotype through immature B cell development in diet-induced obeesity	Kyoungeun Kim
PS-D-34	NSMF promotes colorectal tumorigenesis and progression via the protection of replication stress	Kyeong Jin Shin
PS-D-35	Anticancer effect of costunolide in the colorectal cancer	Hyeonjin Kim
PS-D-36	6-Shogaol suppresses oral cancer cell growth by Inhibiting AKT signaling Pathway	Ke Huang
PS-D-37	Costunolide suppresses progression of oral cancer cells via reactive oxygen species and AKT signaling pathway	Na-eun Cho
PS-D-38	Cognitive enhancing effect of auditory and visual stimulation in ApoE4 knock-in mouse	Yeonkyeong Lee
PS-D-39	Effect of fermented bean complex with korean medicinal herbs on blood glucose levels and histomorphology in type I diabetic rat models	So Young Kim
PS-D-40	Soybean powder containing herbal medicines using bioconversion technic (Godjang) improves on diabetic signs and histopathology in streptozotocin-induced diabetic rat	So Young Kim
PS-D-41	Transgenic overexpression of the microRNA-17-92 cluster develops gastric tumor in mice	Sang Hyeok Seok
PS-D-42	The formation of V-shaped hair bundle architecture in cochlear hair cells	Han Seul Choi
PS-D-43	Comparison of susceptible and resistant SARS-CoV-2 mouse models on FVB background	Sun-Min Seo
PS-D-44	Comparative analysis of a novel complex IBD model in Il2rg-deficient mouse	Sun-Min Seo
PS-D-45	Liposome-based microRNA delivery converts macrophage polarization to alleviate uterine fibrosis in a mouse model of Asherman's syndrome	Mira Park
PS-D-46	E3 ubiquitin ligase, Nedd4l, is an essential gene for hearing	Hyehyun Min
PS-D-47	Effects of FHL2 deficiency on arterial thrombosis and (tPA)-mediated thrombolysis in a mouse model of carotid artery thrombosis	Nakyoung Kim
PS-D-48	Intestinal PPARγ signaling controls tumor growth via gut microbiota	Youn Ju KIM
PS-D-49	Impaired dendritic cell-mediated immunity in lymphoid organs may underlie the high brain viral load to determine lethality in SARS-CoV-2-infected K18-hACE2 mice	Yu Jin Lee, Sang Hyeok Seok, Na Yun Lee
PS-D-50	Aripiprazole, a dopamine receptor D2 (D2R) partial agonist increases the sensitization to radiotherapy in head and neck cancer cells	Hyeon-Jeong Jeong

시설운영 및 기타 Poster

포스터 번호	제목	발표자
PS-E-01	CM1, a novel chrysin derivative, attenuates inflammatory responses in DSS-induced colitis mice model: Therapeutic potential against inflammatory bowel disease	Eui-Baek Byun
PS-E-02	Plan for the system improvement through a survey on the operation status of overseas animal protection centers	Gye-Hyeong Woo
PS-E-03	Generation of HLA class-I-deficient hypoimmunogenic embryonic stem cell line by homozygous knockout of B2M gene	Siyoung Lee
PS-E-04	국내 동물실험윤리위원회 구성 및 운영에 관한 실태 연구	Dong Jin Baek
PS-E-05	Fursultiamine prevents drug-induced ototoxicity by reducing accumulation of reactive oxygen species in mouse cochlea	Tae-Jun Kwon
PS-E-06	Germinal center-induced immunity is correlated with protection against SARS-CoV-2 reinfection but not lung damage	Green Kim
PS-E-07	Four-week repeated intravenous dose toxicity and toxicokinetics study of self-assembled-micelle inhibitory RNA-targeting amphiregulin (SAMiRNA-AREG) in cynomolgus monkeys	Hyeon-Young Kim

PS-E-08	A novel orally active pyruvate dehydrogenase kinase 4 inhibitor, N3095, as anti-cancer agents against colorectal cancer	Kwang Hee Son
PS-E-09	Thirteen-week inhalation toxicity study and micronucleus assay of menthol liquid for electronic cigarettes in rats	In-Hyeon Kim
PS-E-10	Effect of lonafarnib on dexamethasone induced skeletal muscle atrophy	Sang-Hoon Bae
PS-E-11	Hypergravity induced motor disordered rat model	Junewoo Na
PS-E-12	Construction of a severe combined immunodeficiency mouse model using HL-60 cells	Na-Hye Park
PS-E-13	Animal welfare program with playground for beagle dogs in K-medi hub	GwangHoon Lee
PS-E-14	Epidermal electrotherapy for epilepsy	Hyerin Jeong, Mingyeong Jeong, Kyungtae Kim
PS-E-15	Feasibility of turn table test to represent the function of semicircular canal in laboratory animals	Hayoung Song
PS-E-16	Comparison of PDX animal model and brain-on-a-chip made from cells derived from glioblastoma patients through NGS analysis	KyungA Kwak
PS-E-17	Establishment of an optimal orthotopic rat hepatocellular carcinoma model using N1-S1 cells	Yohan Min, Euisin Yang
PS-E-18	Medication trends for age-related macular degeneration	Soon-Young Lee
PS-E-19	LD50 estimations for alternative animal studies using IC50 in HepG2 and iPSC-derived hepatocytes	Byung-suk Jeon