<Anatomy/ Physiology>

Poster no.	Title	Speaker
PS-A-001	Ultrasound mediated miR146a-5p nanoparticles protect photothrombotic cerebral infarction	Dong Woon Kim
PS-A-002	Residues F130A and N138A of 5-HT3A interact ergot alkaloid chanoclavine	Jiwon Lee
PS-A-003	Naringin as a novel analgesic candidate through antioxidative and analgesic effects	Youngseo Park
PS-A-004	Nicotinamide riboside improves fetal growth under hypoglycemic condition	Eui-Ju Hong
PS-A-005	Sex hormone-binding globulin inhibits the entry of zoonotic coronavirus via AXL	Eui-Ju Hong
PS-A-006	CHIP ameliorates neuronal damage in H2O2-induced oxidative stress in HT22 cells and gerbil ischemia	Kyu Ri Hahn
PS-A-007	Differential effects of Cu,Zn superoxide dismutase on cuprizone-induced demyelination and reduction of adult neurogenesis in mice	Kyu Ri Hahn
PS-A-008	Phlorotannin can improve the intestinal epithelial barrier during laxative effects in loperamide-induced constipation of SD rats	Ji Eun Kim
PS-A-009	An optimized herbal medicine containing Scutellaria baicalensis, Alisma canaliculatum, and Atractylodes macrocephala Koidz has a potent antiplatelet and antithrombotic activity	Yeon-Ji Kim
PS-A-010	An optimized herbal medicine HTB attenuates hyperlipidemia by activating the AMPK/SREBP2/PCSK9 signaling pathway	Yeon-Ji Kim
PS-A-011	AMP-activated protein kinase activation in skeletal muscle modulates exercise-induced uncoupled protein 1 expression in brown adipocyte in mouse model	Youn Ju Kim
PS-A-012	Microbiota mediates aerobic exercise capacity via modulation of skeletal muscle glucose metabolism in mice	Youn Ju Kim
PS-A-013	Effects of parabens on inflammasome	Gilyoung Lee
PS-A-014	The Neuroprotective effects of exosomes derived from TSG101-overexpressing human neural stem cells in a stroke model	Dongsun Park
PS-A-015	Laxative effects of the methanol extract of green pine cones in loperamide-induced constipation of SD rats	Jumin Park
PS-A-016	*Atractylodes macrocephala Koidz* induces apoptosis in human gastric cancer cells through activation of the ROS and MAPK signaling pathway	Na Ri Choi
PS-A-017	Improvement of acute kidney injury by mesenchymal stem cell treated with dopamine D1 receptor agonist	Tae Min Kim
PS-A-018	Mixture of Corni Fructus and Schisandrae Fructus ameliorates testosterone-induced benign prostatic hyperplasia through regulating 5α-reductase 2 and androgen receptor	Hyun Hwangbo
PS-A-019	Improvement of particulate matter 2.5-induced keratoconjunctivitis sicca accompanying retinal and lipid metabolism disorders by Schisandrae Fructus	Da Hye Kim
PS-A-020	Inhibition of monosodium urate-induced NLRP3 inflammasome activation through NOX3/4-dependent mitochondrial oxidative stress in RAW 264.7 and bone marrow-derived macrophages by diallyl trisulfide	Min Yeong Kim
PS-A-021	Construction and performance evaluation of 3D bio-printed small-caliber artificial blood vessel graft	Kyeongwoong Yang
PS-A-022	Retinoic acid alleviates the reduction of the ubiquitin-proteasome system due to ischemic brain injury	Ju-Bin Kang
PS-A-023	Quercetin prevents glutamate toxicity-induced neuronal cell damage by regulating parvalbumin expression	Ju-Bin Kang
PS-A-024	The roles of enteric nervous system in radiation-induced enteropathy	Hyosun Jang
PS-A-025	The effect of functional foods containing collagen on osteoarthritis rat models	Sun Ju So
PS-A-026	CD47;Rag2;IL2rg triple KO mice preconditioning with busulfan injection could be a noble platform for generating hematopoietic stem cells engrafted humanized mice	Kang-hyun Kim, Seung-Ho Heo
PS-A-027	Embryotoxic and teratogenic effects of Scolopendra Water Extract in mice	Jeong Min Lee
PS-A-028	Olaparib, a selective PARP-1 inhibitor, aggravates radiation induced intestinal injury	Bohye Kim
PS-A-029	Expression of ATG9A and ATG9B in mouse oocytes and reproductive tissues	Sujin Son
PS-A-030	Effect of Lactobacillus fermentum BCC-LF-01 on alveolar bone loss in ligature-induced periodontitis mice	Bo Hyun Jung
PS-A-031	Indoxyl sulfate, a uremic toxin, induces trained immunity of monocytes through AhR-dependent arachidonic acid pathway	Hee Young Kim

PS-A-032	Hepatoprotective effects of catechin in carbon tetrachloride-induced hepatic damage in rats	Eunjun Jang
PS-A-033	Resveratrol alleviates the symptoms of experimental autoimmune neuritis	Seukchan Kim
PS-A-034	The role of leucine influx and its catabolism for regulating Th17 responses of human $CD4^+$ T cells	Yeon Joon Kang
PS-A-035	Different anti-tumor immune responses of fractionated high-dose radiation applied with intervals of 1- or 5-day in FSaII-bearing C3H mice	Hyun Kyung Kim
PS-A-036	The differentiation of epidermis of minipig skin during pregnancy	Jinhyung Rho
PS-A-037	An octopus-derived peptide with antidiuretic activity in rats	Seonmi Jo
PS-A-038	Evaluation of antitumor activity of N3095 as a novel orally active pyruvate dehydrogenase kinase inhibitor in mice of colorectal cancer	Kwang Hee Son
PS-A-039	Peripheral nerve-derived stem cell spheroids induce functional recovery and repair after spinal cord injury in rodent	Seong Taek Kim
PS-A-040	Developing an ADHD animal model by inducing neuroendocrine dysregulation during the prenatal period	Hye-Ji KIM
PS-A-041	Anti-inflammatory and anti-obesity effects of Pachydictyon coriaceum extract	So Yeon Kim
PS-A-042	Inhibitory effects of Endarachne binghamiae extract on inflammation and obesity	Sang Seop Lee
PS-A-043	Effects of Sargassum horneri extract on LPS-induced inflammation in RAW 264.7 cells and high fat diet-induced obesity in mice	So Yeon Lee
PS-A-044	Tumor-derived noncanonical Notch ligand DLK1 attenuates tumor growth by regulating macrophages	Misu Kim
PS-A-045	Dohongsamul-tang ameliorated cardiac function through calcineurin/NFATc4 signaling pathway in TAC-induced left ventricular hypertrophy rat	Mi Hyeon Hong
PS-A-046	Adipose stem cell-derived exosomes in combination with Hyaluronic acid for soft tissue augmentation: *in-vivo* study	Seung Hwan Kim
PS-A-047	Encapsulation of metformin within alginate shell-microcapsule with a thin oil layer ameliorates inflammatory bowel disease and improves gut microbiome	Eun-Ju Kim
PS-A-048	Oral delivery of pentoxifylline loaded microcapsules prevents inflammatory bowel disease and improves gut microbiome	Seong-Ryeong Lim
PS-A-049	Association of haptoglobin phenotype with neurological and cognitive outcome in patients with subarachnoid hemorrhage	Sung Woo Han
PS-A-050	The combination of prebiotics with probiotic complex affected differently intestinal hydrolase activity, microbial population and immunological biomarkers in SD rats fed an AIN-diet	InSurk Jang
PS-A-051	Mild traumatic brain injury and subsequent acute pulmonary inflammatory response	Seung Hyuk Lim
PS-A-052	Involvement of lipocalin-2 in experimental autoimmune uveitis	Sungmoo Hong
PS-A-053	Regulation of γc expression via IL-4 signaling in regulatory T cells	Jeong Ha Ryu
PS-A-054	IL-4-induced forkhead box protein O regulates γc expression in T cells	So Min Lee
PS-A-055	$NKP46^+NK1.1^+$ cells derived from definitive hemogenic endothelium of mouse aorta gonad mesonephros were markedly increased by 3-Deazaneplanocin A hydrochloride	Soo-Been Jeon
PS-A-056	Protective effects of an aqueous extract of Protaetia brevitarsis seulensis larvae against radiation-induced testicular injury in mice	Sohi Kang
PS-A-057	Effects of Sparganii Rhizoma on osteoclast formation and osteoblast differentiation and on an OVX-induced bone loss model	Eom Ji Kim
PS-A-058	Design and evaluation of an AI model for automated tail vein administrator in rodent models	Jonguk Kim
PS-A-059	Metabolites analysis and pharmacokinetic studies of [18F]FP-CIT in preclinical models	Jae Hun Ahn
PS-A-060	Albiflorin promotes osteoblast differentiation and healing of rat femoral fractures through enhancing BMP-2/Smad and Wnt/β-Catenin signaling	Minsun Kim
PS-A-061	Effects of chloroform fraction of Fritillariae Thunbergii Bulbus on atopic symptoms in a DNCB-induced atopic dermatitis-like skin lesion model and in vitro models	Sooyeon Hong
PS-A-062	Association between sex-biased Cux2 expression and pancreatic cell damage in type 2 diabetic mice	Boyoung Kim
PS-A-063	Phenotyping of fecal microbiota of Korean wild mouse (KWM/Hym)	Eun Sun Park
PS-A-064	Neuroprotective effects of Populus tomentiglandulosa on neurotoxicity in an amyloid beta-induced Alzheimer's disease mouse	Ji Hyun Kim

PS-A-065	D-Allulose ameliorates hyperglycemia through IRE1α sulfonation-RIDD- sirt1 decay axis in the skeletal muscle	Geum-Hwa Lee, Hwa-Young Lee
PS-A-066	The desalted Salicornia herbacea water extract prevent osteoporosis by reduced osteoclast differentiation and ROS	Yun-Ji Lee
PS-A-067	Visualization of interscapular brown adipose tissue (iBAT) with TSPO targeting ligand by Cerenkov luminescence imaging (CLI) in the UCP1 Thermomouse	Seok-Yong Lee
PS-A-068	Codonopsis laceolata water extract ameliorates asthma severity by Inducing Th2 Cells' and pulmonary epithelial Cells' apoptosis via NF-κB/COX-2 pathway	So-Hyeon Bok
PS-A-069	Usage of natural volatile organic compounds as biological modulators of disease	Soon-Young Lee
PS-A-070	Transcranial alternating current stimulation exerts symptom relieving effects in the brain of a rat transient MCAo model	Yoon Beom Lee
PS-A-071	Characterization of rabbit diabetic mellitus model using alloxan	Seonghwa Lee, Gwang-Hoon Lee
PS-A-072	HPVSC-derived cyclophilin-A can recover ovarian function in mice with cyclophosphamide-induced premature ovarian failure	Ji Yun Park
PS-A-073	LncRNA PTPRE-AS1 expression is significantly increased in IL-4 induced M2 macrophages	Hye Jin Choi
PS-A-074	Inhibitory effects of endarachne binghamiae extract on inflammation and obesity	Sang-seop Lee
PS-A-075	Melatonin significantly down-regulates long non-coding RNA Cox2 in M1 macrophages stimulated with LPS	Dohyeong Kim
PS-A-076	Cardiovascular hemodynamic evaluation using PV loop analysis in rats	Woori Jo
PS-A-077	Anti-obesity effects of Lactobacillus paracasei subsp. paracasei, L. casei 431 on high fat diet-induced obese rats	Yun Jeong Shin
PS-A-078	Effect of glycemic variability on infarct volume in ischemic stroke model	Ye Jin Kim
PS-A-079	6-Shogaol suppresses osteoclastogenesis and alveolar bone resorption in mice with ligature-induced periodontitis	Zhi Bin Liu
PS-A-080	Anti-inflammatory effect of Stachys affinis extract on DSS-induced colitis in mice	Yun-Seong Lee
PS-A-081	Effect of grain mixture powder with sword bean on loperamide-induced constipation in C57BL/6 mice	Yun-Seong Lee
PS-A-082	Costunolide suppresses colorectal cancer cells growth and induces apoptosis *in vitro and in vivo*	Lei Ma
PS-A-083	*In vitro and In vivo* costunolide inhibits the growth of colorectal cancer cells and induces apoptosis	Domg Wook Kim
PS-A-084	Targeting protein Kinase B pathway with costunolide induces apoptosis Of oral cancer cells *in vitro and in vivo*	Ke Huang
PS-A-085	Effect of oocyte maturation, *in vitro* embryo development by ovum pick-up of follicle-stimulating hormone-treated Hanwoo (Bos taurus coreanae)	ChaeYeon Kim
PS-A-086	Agrimonia eupatoria alleviates hepatic fat accumulation and inflammation in the CDAHFD-diet-induced murine NASH model	Min-Jeong Jo
PS-A-087	The anti-obesity effect of Lactobacillus plantarum strain BK21 postbiotics isolated from Kimchi on high-carbohydrate-diet induced obesity in mice	Min-Jeong Jo
PS-A-088	Characterization of regucalcin as a novel tubulin deacetylase	Min-Jeong Jo
PS-A-089	Conjugation of Pheophorbide A and SN38 with hyaluronan nanoparticles for photodynamic- and cascadic chemotherapy in cancer stem-like ovarian cancer	Hosun Jung
PS-A-090	Visualization of a novel human monoclonal antibody against Claudin-3 using human ovarian cancer-bearing mice	Sera Oh
PS-A-091	Metabolic index using Glucose-Thymidine Ratio (GTR) as a potential imaging biomarker to assess response to immune checkpoint inhibitor therapy in mouse melanoma model	Sera Oh
PS-A-092	Immunomodulatory role of Fermented Garlic Extract on macrophage cell proliferation, cytokine secretion and Natural Killer cell cytotoxicity	Pallavi Gurung, Junmo Lim
PS-A-093	Comparison of the characteristcs between porcine bone marrow-derived Mesenchymal stem cells and peripheral blood mononuclear cells for transplantation therapies	Young Kyu Kim
PS-A-094	Hydrogen peroxide regulates gonadotropin-releasing hormone neurons excitability in postnatal and concentration-dependent manner in mice	Santosh Rijal
PS-A-095	GABA- and glycine-mimetic responses of honokiol on the substantia gelatinosa neurons of the trigeminal subnucleus caudalis in mice	Nhung Ha Thuy Le
PS-A-096	Visual phenotyping analysis of Korean wild mouse KWM/Hym	Munkhdelger Jamiyansharav

PS-A-097	Coenzyme Q10-Micelles complex ameliorates osteoarthritis by targeting for RIP3 and p-MLKL regulated necroptosis	Hyun Sik Na
PS-A-098	Age- and sex-relative effect of naringenin on substantia gelatinosa neurons of trigeminal subnucleus caudalis in immature mice	Seon-Ah Park

<Toxicology/ Pathology>

Poster no.	Title	Speaker
PS-B-001	Schisandrin C interact with V225A and V288Y on serotonin receptor	Sanung Eom
PS-B-002	Binding sites D177 and F199 are the major binding sites of kaempferol on human 5-HT3A receptors	Junho Lee
PS-B-003	Study of parasite pheromone receptor and gating mechanism to receptors of neurotransmitters	Junho Lee
PS-B-004	Transferability, and within/between-laboratory validation studies of improved in chemico alternative assay, spectro-DPRA, for skin sensitization test	Yu-Jin Hong, Hye-Jeong Sin
PS-B-005	Samhwangsasim-tang improves cognitive function through BDNF-mediated pathway in scopolamine-induced mouse model	Malk Eun Pak
PS-B-006	No apparent cellular immunotoxicity in mice subchronically exposed to polyethylene or polytetrafluorethylene microplastics through gastric intubation	Da Eun Lee
PS-B-007	Monitoring of maternal antibody for 8th industrialization line Korean Native Chicken in Poultry Research Institute during 4 weeks	Are-Sun You
PS-B-008	Novel role of *Dipterocarpus tuberculatus* as a stimulator of focal cell adhesion through the regulation of MLC2/FAK/Akt signaling pathway	Ayun Seol
PS-B-009	Analysis of methenamine residues in horse muscle by targeted sampling plan in 2021	Sunjin Park
PS-B-010	Optimized characterization of NK cell-derived nano-vesicles as a new mRNA delivery system	Min-Kyung Park
PS-B-011	Targeting tumor-intrinsic PD-L1 suppresses the progression and aggressiveness of head and neck cancer cells by inhibiting the GSK3β-dependent Snail degradation	Min-Hye Ahn
PS-B-012	The antitumor effect of Genipin in human oral squamous cell carcinoma	Dong-Guk Park
PS-B-013	Artificial intelligence-based assessment of dependence with cocaine self-administered marmosets data	Juhui Gim
PS-B-014	The effects of Angelica Gigas Nakai extract on the myelosuppressive mice	Seojin Park
PS-B-015	Administraion of Gastrodia elata blume extract attenuated the acute kidney injury induced by vancomycin in rats	Yeon Su Lee
PS-B-016	Administraion of Gastrodia elata blume Extract attenuated the ovalbumin-induced allergic asthma in rats	Da Eun Jung
PS-B-017	Effect of manganese and lead exposure on the expression of serotonin receptors in the stariatum of C57BL/6 mice	Kisok Kim
PS-B-018	Maternal DMEP exposure alters neural proliferation and synaptic function in the mice	MoonYi Ko
PS-B-019	Toxicity evaluation of cigarette butts using chironomus riparius	Dong Hyun Kim, Da seul Kim, Hyung Hoon Jin
PS-B-020	Prediction of skin sensitization potential of silicon dioxide and titanium dioxide nanoparticles through the local lymph node assay: 5-bromo-2-deoxyuridine flow cytometry method	Manisha Adhikari
PS-B-021	Electro-acupuncture stimulation of HT7 alleviate sleep deprivation against acute caffeine exposure by regulating BDNF-mediated ER stress in the rat medial septum	Yeonhee Ryu
PS-B-022	A comparative study on clinical pathology under two different diets in cynomolgus monkeys (*Macaca fascicularis*)	Da-Hee Kim
PS-B-023	Mechanisms of cutaneous neurogenic inflammatory spots expression on referred visceral pain: primary and secondary uterine pain in the adult virgin rat	Kwang-Ho Choi
PS-B-024	Aromadendrin reduces airway inflammation in an experimental mouse of allergic asthma	Jin-Mi Park, Juhyun Lee
PS-B-025	Aromadendrin has anti-inflammatory effect on airway inflammation in an experimental animal models of COPD	Jinseon Choi, Juhyun Lee
PS-B-026	Inhibition of liver X receptor attenuates nonalcoholic steatohepatitis by regulating differentiation of monocyte-derived macrophages	Kyurae Kim

PS-B-027	Actue toxictiy study of Asparagus officinalis L. root extracts in Sprague Dawley rats	Jae Hee Lee
PS-B-028	The NLRP3 inflammasome is inhibited in natural products, protecting against acute gout	Hyeonjin Kim
PS-B-029	Natural products protect against acute gout by inhibiting the activation of the NLRP3 inflammasome	Soo Hyun Jeong
PS-B-030	Ginger and its two active components as novel autophagic and apoptotic mediators in oral squamous cell carcinoma	Hyun-Ji Kim
PS-B-031	Development of pcl nasolacrimal stent for the treatment of epiphora	Seungkuk Bae
PS-B-032	Symptom of collagen induced arthritis in DBA-1J mouse was alleviated by bee venom	Sokho Kim
PS-B-033	Repeated dose toxicity study in beagle dogs by intrathecal lumbar puncture: a potential non-rodent model for intrathecal drug delivery	Min-Kyung Cho
PS-B-034	Antiepileptic and anxiolytic effects of hinokinin	Abdulaziz Jabborov
PS-B-035	Evaluation of dependence potential induced by abused drugs with intracranial selfstimulation	Yong-Qing Zhang
PS-B-036	Anti-cancer effects of a novel multi-targets agent, KMU-191 and its electrophysiological safety	Shin Kim
PS-B-037	Liver toxicity from PFOS exposure in animal studies: A systematic review and meta-analysis	Se-A Lee
PS-B-038	Amelioration of tunicamycin-induced liver injury by taurine supplementation in mice	So min Lee
PS-B-039	Dietary restriction alleviates acetaminophen-induced hepatotoxicity	Ji Eun Bae
PS-B-040	Synthetic cannabinoids-induced reward behavior is associated with cannabinoid receptor 1 receptor and dopamine transporter function	Aeseul Kim
PS-B-041	Evaluation of the regenerative potential of cell therapeutics using repair-associated cell-containing intestinal organoid	Ji-Su Ahn
PS-B-042	A novel strategy to potentiate the therapeutic efficacy of secretome from canine stem cells against atopic dermatitis utilizing microencapsulation technologies	Su-Jeong Oh
PS-B-043	Atopy-induced stress increases hippocampal neuroinflammatory damage in an atopic dermatitis mouse model	Hye-Sun Lim, Gunhyuk Park
PS-B-044	Pathogenic effect of crystallin alpha B in fibrosis and angiogenesis in mice age related macular degeneration model	Eunhye Yu
PS-B-045	Effect of inhaled 1,2-Dichlorobenzene on cytochrome P450s and lipid [eroxidation in B6C3F1 mice	Eun-Sang Cho
PS-B-046	Improvements to improve the survival rate of rats in the carcinogenicity test (inhalation toxicity)	Sung-Bae Lee
PS-B-047	28-Days inhalation toxicity of 2-Methoxyethanol in B6C3F1 mice	Daesik Rha
PS-B-048	Subacute(28-days) inhalation toxicity of 1-Ethoxy-2-propanol in wistar rats	Daesik Rha
PS-B-049	Cigarette smoke-mediated alteration of reactive oxygen species (ROS) regulates immunomodulatory and hematopoietic stem cell supporting properties in human mesenchymal stem cells	Hyun Sung Park
PS-B-050	Gunryeong-tang suppresses cardio-renal syndrome in rats with pulmonary arterial hypertension	Se Won Na
PS-B-051	The factors determining the biological fate of nanodiamond: sp3/sp2 carbon ratio vs hydrodynamic size	Jiyoung Jeong
PS-B-052	The toxicity evaluation of cement and nano-cement after intratracheal instillation to rat	Eun Sol Bae
PS-B-053	The toxic effects of fragmented microplastics under ultraviolet oxidation	Yeonjeong Ha
PS-B-054	Acute lung injury induced by 2D materials(single and multi-layered Ti3C2 MXene	Song-yeon Kim
PS-B-055	Effects of 2-week repeated intratracheal instillation of vehicles on mice lung	Hyeon-Young Kim
PS-B-056	Effect of neonatal exposure of di-(2-methoxyethyl)phthalate on susceptibility to nicotine-induced locomotor sensitization and nicotine self-administration in rats	Tae Wan Kim
PS-B-057	A novel synthetic cathinone, α-pyrrolidinobutiothiophenone, produces psychomotor, rewarding, and reinforcing properties in rodents and increases dopamine level in the striatum of mice	Oc-Hee Kim
PS-B-058	The cytotoxic effects of nanoplastics in mouse preimplantation embryos	Hyeong-ju You
PS-B-059	The cytotoxic effects of particulate matter 10 on rhesus monkey in skin fibroblast	Jiin Lee

PS-B-060	Dysfunction of female reproductive system is caused by exposure to airborne nanoplatics in mice	Changsic Youn
PS-B-061	Damage to olfactory organs of adult zebrafish induced by diesel particulate matter	Hyejin Lee
PS-B-062	Cimicifugae Rhizoma Extract attenuates oxidative stress and airway inflammation via the upregulation of Nrf2/HO-1/NQO1 and downregulation of NF-□B phosphorylation in ovalbumin-induced asthma	So-Won Pak
PS-B-063	Titanium dioxide nanoparticles exacerbate allergic airway inflammation via TXNIP upregulation in a mouse model of asthma	Woong-Il Kim
PS-B-064	Effect of 28-day repeated oral dose toxicity of aluminum chloride(AlCl3) in rat.	Yea-Gin Yang
PS-B-065	Efficacy evalution of candidate A in DSS-induced inflammatory bowel disease mouse model	Gukdo Kim
PS-B-066	Comparison of biochemical analysis in rodents using diluted serum	Kil-Woong Ha
PS-B-067	Human induced-pluripotent stem cells (iPSc) derived-hepatocyte as an in vitro model for evaluation of cytochrome P450 induction by hepatotoxicant	Nam-Ju Kim
PS-B-068	Withdrawal from treatment with 3-Fluoroethamphetamine induces hyperactivity and depression-like behavior in mice	Hyejin Joo
PS-B-069	Hepatoprotective effect of germinated soybean embryo extracts in HFD-fed obese mice	Hyunwoo Cho
PS-B-070	A comparative study of artificial intelligence analysis for diagnosis of liver fibrosis in rats	Tae-Yang Jung
PS-B-071	Hepatic steatosis screening analysis study applying artificial intelligence to rats	Tae-Yang Jung
PS-B-072	A study for selecting optimal classification AI model for 1-naphthyl isothiocyanate-induced liver necrosis in the mouse	Tae-Yang Jung
PS-B-073	Using drug discrimination techniques to evaluate the abuse related effects of 3-Fluoroethamphetamine in rats	Wonjong Lee, Hyun Kyu Min
PS-B-074	The protective effect of *Achyranthes japonica* aqueous extract (USL) in the dry eye model	Bongkyun Park
PS-B-075	Toxicological evaluation of extracellular vesicles derived from canine adipose tissue-derived mesenchymal stem cells (ASC-EVs)	Sung Bae Kim
PS-B-076	Neurotoxic effects of 3-Fluoroethamphetamine in mice: behavioral pharmacological approach	Cheolmin Jo
PS-B-077	Dependence potential of 4-Fluoroethylphenidate (4F-EPH); Behavior approaches in mice	Jin-Mook Kim
PS-B-078	Particulate matters-mediated oxidative stress induces airway inflammation and pulmonary dysfunction through TXNIP/NF-κB and SIRT1/p53/caspase-3 pathways in mice	Ji-Hye Ha
PS-B-079	Spiraea prunifolia var. simpliciflora downregulates inflammatory responses and oxidative stress in a mouse model of PPE/LPS-induces chronic obstructive pulmonary disease	Ba-Wool Lee
PS-B-080	Effect of mexedrone, a mephedrone analog, on abuse-related behaviors in rodents	Kyung Oh Jeon
PS-B-081	Anti-atopic effect of Persicaria longiseta (Bruijn) Kitag in atopic dermatitis murine model induced by 2,4-dinitrochlorobenzene	Min Hee Hwang
PS-B-082	Establishment of transfection condition for study to investigate effect of miR-143 on canine mammary gland malignant tumor	Gi Taek Oh
PS-B-083	Inhibitory effect of gastrodin and 4-hydroxybenzyl alcohol on tumor cell proliferation	Gi Yeon Kwon
PS-B-084	Setting conditions for performing miRNA-210 transfection experiment	Min Young Heo
PS-B-085	Image-based evaluation of adjuvant efficacy in a vaccine candidate against norovirus infection	In Woo Kim
PS-B-086	Dopamine responsiveness to 3-FEA in rodents: Investigations in the nucleus accumbens	Dong-Hyun Youn
PS-B-087	Evaluation of the potential immunotoxicity in mice with single exposure to poplypropylene microplastics through intragastric intubation	Sarina Kusma
PS-B-088	Cyclophilin A-induced M2 macrophage polarization protects inflammation-induced preterm birth in mice	So Hee Park
PS-B-089	The deficiency of ABCG1 and ABCG4 transporters by rare earth oxide nanoparticles induces the pulmonary alveolar proteinosis	Soyeon Jeon
PS-B-090	Comparison of disease severity by induction period in the Bleomycin-induced mouse model of idiopathic pulmonary fibrosis	HARAM KIM

PS-B-091	Aloe vera prevents lung fibrosis by suppressing TGF-β/Smad pathway	Soo-Jung Yang
PS-B-092	External electrical stimulation suppresses hepatic lipid accumulation by modulating lipid metabolism in non-alcoholic fatty liver animal models	Hana Lee
PS-B-093	The development of alcohol-associated hepatocellular carcinoma mouse model	Wonhyo Seo
PS-B-094	Assessment of the lung toxic effect of whole cigarette smoke extract on repeated intratracheal instillation	Jinhee Kim
PS-B-095	Processed Aloe vera gel accelerates reversal of liver fibrosis in vitro and in vivo through regulation of TGFβ1 pathway	Hoang Lan Vo
PS-B-096	Methoxychlor and Bisphenol A have more negative effects on male reproductive system when used together	Ju Yeon Hong
PS-B-097	Understanding the etiology and establishing the therapeutic strategies for menopausal xerostomia using ovariectomized mice	Yoojin Seo
PS-B-098	Adverse affects of chlopyrifos on reproductive and immune system	Min Woo OH
PS-B-099	Compound K-enriched Korean red ginseng regulates induces apoptosis of lung cancer cells through STAT3 down-regulation	Jung Ho Hwang
PS-B-100	The impact of vanadium oxide exposure on sperm motility and function in mice	Eungyung Kim
PS-B-101	Chlorpyrifos affects reproductive system in female mice	So yeon Ryu
PS-B-102	The effects of micro-current stimulation on alleviating non-alcoholic steatoheptitis in CDAHFD-induced mice model	Doyong Kim
PS-B-103	A comprehensive mechanism in inhibiting gap junction intercellular communication by DMBA	Dong-Hoon Won
PS-B-104	Identification of potential mechanism through miRNA-target gene profile of cisplatin-induced hepatotoxicity and nephrotoxicity and discorvery of circulating miRNA diagnostic biomarker	Da-Bin Hwang
PS-B-105	Brain structural alteration by cocaine administration is regulated by dihydropyrimidinase-related protein 2 and crystallin alpha B in the marmoset	Sun Mi Gu
PS-B-106	Brain functional alteration by cocaine administration is involved in stereotyped behavior in the marmoset	Sun Mi Gu

<Microbiology>

Poster no.	Title	Speaker
PS-C-001	Comparative analysis of gut microbiome related to weight gain of the same individual before and after gut microbiome replacement	Ji-Seon Ahn
PS-C-002	Anti-malarial effect of PJ extract by inhibiting platelet activation in rodent model	Youn-Kyoung Goo
PS-C-003	Regulation of the SARS-CoV-2 pseudovirus infection by using engineered exosomes	Kyoung-myeon Kim
PS-C-004	The pneumococcal pep27 mutant infection enhances intracellular uptake and immune mediation, and provides apoptosis resistance via Mcl-1 upregulation in Raw264.7 cells	Ki El Nam
PS-C-005	Comparisons of diagnostic methods for identifying *Pasteurella pneumotropica* in experimental mice in Korea	Se hee PARK
PS-C-006	Galectin-4 enhances the immunostimulatory function of M2 macrophages to upregulate the antiviral $CD4^+$ T cell response and antibody production	In-Gu Lee
PS-C-007	Identification of fecal microbiomes characteristics and transcriptome in blood of growing Jindo dogs	Soyoung Choi
PS-C-008	Identification of age-related compositional changes of intestinal microbiota in piglets	Jin A Lim
PS-C-009	Development of mouse lethal models for Japanese encephalitis virus and Dabie bandavirus	Jung-Eun Kim
PS-C-010	Effect of genetic background differences between FVB and C57BL/6 mice in SARS-CoV-2 infection	Ah-Reum Kang
PS-C-011	Comparative analysis of complex IBD model in Il2rg-deficient mouse and C1qa/Rag2 double knockout mouse	Sun-Min Seo
PS-C-012	Establishment of a Hataan Orthohantavirus infection model in mice	Young Jo Song
PS-C-013	Health monitoring system of "K-MEDI hub Preclinical Research Center" for high quality improvement of laboratory animals	Hyejin Kim
PS-C-014	Protective effect of *Lactobacillus kunkeei* on Dextran Sodium Sulfate-induced colitis mouse model	Tae-Sung Lee
PS-C-015	Hydroxy fatty acid produced by gut bacteria protects diet-induced obesity through improving energy expenditure	Yeonmi Lee

PS-C-016	Gut bacteria-derived leucic acid attenuates diet-induced obesity and improves insulin sensitivity	Hye Rim Jang
PS-C-017	A bacteria-mediated tryptophan derivative, tryptamine, reduces fat accumulation in diet-induced obese mice	Jongjun Lee
PS-C-018	Use of nanobody as a treatment for influenza disease	Jae Hyun Hwang
PS-C-019	*Lactobacillus* spp. isolated from Honey bee can ameliorate high fat diet-induced obesity	Do-Hyeon Jung

<Genetic disease model>

Poster no.	Title	Speaker
PS-D-001	The therapeutically useful sleep aid and sedative of Betulinic acid	Shinhui Lee
PS-D-002	Similarities and differences in immunity between Rag2 knock out mice derived from two different sources	Yu Jeong Roh
PS-D-003	Loperamide-induced constipation activates inflammatory signaling pathways in transverse colon of SD rats via Complement C3 and its receptors	Hee Jin Song
PS-D-004	Mig-6 in BAT controls brown adipogenesis and thermogenesis in mice.	Sorim Choung
PS-D-005	Ablation of CrebH accelerates the progression of inflammatory bowel disease–associated liver injury	Sanghee Lee
PS-D-006	Novel biomarkers for pre-diabetes and diabetes mouse model	Jae-Ho Lee
PS-D-007	Protective role of DAX-1 deficiency against acetaminophen-induced liver injury in animal model	Young Joo Suh
PS-D-008	Anti-inflammatory effect of DAX1 against ConA-induced acute liver injury in mice	Hyo Jeong Yun
PS-D-009	LRH-1 regulates hepatic triglyceride metabolism via modulation of the expression of Perilipin 5	Eun-Ho Lee
PS-D-010	Insulin resistance improving effects of Circium japonicum extract from type 2 diabetic mice model	Ji-Hye Choi
PS-D-011	Thymosin beta 4 regulates NLRP 3 inflammasome through multiple singaling pathways	Ji-Hye Choi
PS-D-012	KLF10 as a tumor suppressor gene and its TGF-B signaling	Woon Kyu Lee
PS-D-013	Establishment of canine cancer organoids using patient-derived cells from hepatocellular carcinomas and mammary gland tumors	Kieun Bae
PS-D-014	Antioxidation and anti-inflammatory effects of gamma-irradiated silk sericin and fibroin in H2O2-induced HaCaT Cell	Ji-Hye Choi
PS-D-015	Effect of protecting phosphatidylcholine against liver and kidney cell damage by advanced glycation end products (AGEs)	Ji-Hye Choi
PS-D-016	Effects of particulate matter (PM) on the Tau-BiFC transgenic mouse	Kyu Hyeon Kim
PS-D-017	Comparison of phenotype expression between Leprdb/Korl and Leprdb/J mice	Jae-Hong Min
PS-D-018	Establishment and characterization of six canine hepatocellular carcinoma cell lines	Ja Young Lee
PS-D-019	Cytosolic $Ca2^{+}$ levels signal by Per2 down regulation is related to amphetamine-like drugs induced reward behavior	Eunchong Hong
PS-D-020	Establishment and evaluation of a novel mouse model of Fabry disease	Dong-Won Seol
PS-D-021	Breeding and characterization of Spinocerebellar Ataxia type 1 model mice	Min Hyeak Lee
PS-D-022	Auditory or audiovisual stimulation ameliorates cognitive impairment and neuropathology at different stages of ApoE4 knock-in mice	Yeonkyeong Lee
PS-D-023	Anti-adipogenic effects of citrus flavonoid, Nobiletin in 3T3-L1 cells	Se-A Lee
PS-D-024	Production of transgenic piglets for BRAF mutation-based melanoma model using Jeju native pig fetal fibroblast	Dongjin Oh
PS-D-025	Assessment of OKT-3 induced cytokine release syndrome in hPBMC- humanized mouse model	Seo Yule Jeong, Myeongjin Choi
PS-D-026	Adipocyte PHLPP2 inhibition prevents obesity-induced fatty liver	KyeongJin Kim
PS-D-027	A mouse model with genetic defect of mitochondrial complex I to study neurodegeneration.	Won-Seok Choi
PS-D-028	Effect of gunryeong-tang on heart and kidney damage in diabetic mice model	AiLin Tai
PS-D-029	Modulation of PI3K/PTEN-mTOR signaling pathway in the antibody class switching in activated B cells	Dong-Gyu Kim
PS-D-030	Augmented antitumor effect of unripe *Rubus coreanus* Miquel combined with oxaliplatin in a humanized PD-1/PD-L1 knockin colorectal cancer mouse model	Eun-Ji Lee

PS-D-031	The anti-tumor effects of sotorasib in a patient-derived organoid and xenograft mouse model of KRASG12C pancreatic cancer	Mi Rim Lee
PS-D-032	The regulatory role of nuclear factor erythroid-2-related factor in autoimmune disease animal model	Seon Hyeok Kim
PS-D-033	Preclinical study of NGUL, a novel matched-pair theranostic agent labeled with Cu-64 and Cu-67 targeting prostate cancer	Hye Yeon Seo
PS-D-034	Study on intact retinal vessels and vasculopathies in adult zebrafish eye	Seung-Hyun Jung
PS-D-035	Effects of Glycine max germinated extract and Angelica gigas extract mixture on osteoblast and osteoclast	Sangmin Lee
PS-D-036	Therapeutic effects of LED fusion of two wavelength bands on Atopic dermatitis of NC/Nga mice	Sangmin Lee
PS-D-037	Deciphering transcriptome profiles of whole blood in administration to heroin of cynomolgus monkey	Se-Hee Choe
PS-D-038	CXCR4 regulates the maintenance of stemness and radio-resistance in chordoma cells	Chan Woong Jung
PS-D-039	Endothelial PTP mitigates vascular inflammation via USF1/A20 axis-mediated NF-κB inactivation	Min Ji Cho
PS-D-040	20 (S)-ginsenoside Rh2 exerts anti-cancer activity through the Axl signaling pathway in colorectal cancer cells	Na-eun Cho
PS-D-041	Monitoring induction of 'cold' to 'hot' tumors by irradiation	Ho Rim Oh
PS-D-042	Hepatic PTPA ameliorates high-fat diet-induced hepatosteatosis and disruption of glucose homeostasis by the activation of the FGF21	Byungtae Hwang
PS-D-043	Ovarian cycle control, collection, in vitro maturation and in vitro fertilization for oocytes of common marmoset	Heejong Eom, Dohyun Lee
PS-D-044	MTX loaded nanoparticles (MTX-NPs) ameliorate rheumatoid arthritis by simultaneously upregulation of Treg and Breg	SeungCheon Yang
PS-D-045	Modification of atopic dermatitis animal model using MC903: focusing on shortening of induction period and reduction of adverse effects	Soyeon Kim
PS-D-046	MTOR/STAT3 targeting suppresses scleroderma via reciprocal regualtion of TH17 and fibroblast with biguanide compounds	Jeong Won Choi
PS-D-047	Efficient and specific genome editing of CRISPR/AsCpf1 ribonucleoprotein electroporation with adeno-associated virus infection to produce conditional knockout mice	Hyunsun Park
PS-D-048	Plasmid DNA nanoparticles for nonviral oral gene therapy	Young Jae Park
PS-D-049	IL-17A promotes Helicobacter pylori-induced gastric carcinogenesis via interactions with IL-17RC	Hyo-Jung Kwon
PS-D-050	Loss of Rab25 reduces tumorigenesis in MMTV-PyMT breast cancer model.	Chanyang Uhm
PS-D-051	Discovery of early diagnostic markers of hepatocellular carcinoma based on serum exosomal microRNAs	Jin-Seong Hwang
PS-D-052	The inhibited invasion of human glioblastoma cells by copper sulfate with chelators in zebrafish model	Heabin Kim, Jei Ha Lee
PS-D-053	Overexpression of cathepsin S is associated with toll-like receptor 7 in systemin lupus erythematosus	Hyeonjin Kim
PS-D-054	Generation of FIX-/- rat as a novel pre-clinical model for severe hemophilia B with anti-FIX inhibitors	Hee Sook Bae
PS-D-055	In vivo genome editing at the APOC3 locus for long-term correction of hemophilia B	Kyu Jun Lee
PS-D-056	DDX53 confers the self-renewal and drug-resistance of ovarian cancer stem-like cells	Youngmi Kim
PS-D-057	A report on non-clinical study of kidney xenotransplantation from genetically-engineered pigs to monkeys	Ju young Lee
PS-D-058	Prolyl hydroxylation primes CMGC kinases for activation through Tyrosine autophosphorylation	Sang Bae Lee
PS-D-059	Effect of obesity on anaplastic thyroid cancer progression in immunocompetent orthotopic model	Seong Hyeon Kim
PS-D-060	Creation of mouse models and analysis methods for the investigation of brain disorders.	Kyungrim Yi
PS-D-061	Behavioral and neuropathological analysis for Alzheimer's disease preclinical research by the 5xFAD mouse model	Chang-Hoon Shin
PS-D-062	Metformin ameliorates Monosodium-Iodoacetate-induced Osteoarthritis via regulation of mitochondria and the autophagy-inflammation- cell death axis	Keun Hyung Cho

<Facility/ Management/ Others>

Poster no.	Title	Speaker
PS-E-001	Balloon angioplasty with elastase for creating wide-necked aneurysm model in rabbit	Dong-Sung Won
PS-E-002	Novel stent-based electrode for radiofrequency ablation in the rat esophagus: a preliminary study	Dong-Sung Won
PS-E-003	Current operational issues of the Institutional Animal Care and Use Committee in Korea and suggestions for improvement	Sangho Roh
PS-E-004	Transcriptomic insight into the ion channel genes across tissue types and developmental stages	Eun A Ko
PS-E-005	Vitamin D suppresses pain and cartilage destruction in OA animals model via regulation of autophagic flux and cell death	JooYeon Jhun
PS-E-006	Extracts of Ficus erecta Thunb. leaves ameliorate cognitive impairment and neuronal loss in an amyloid-β-Induced Alzheimer's disease-like animal model	Eunjin Sohn
PS-E-007	The protective effect of Tilia amurensis honey protective effect on infection of influenza A virus infection through activation of interferon signaling	Eun-Bin Kwon
PS-E-008	National primate infrastructure for biomedical and basic science	Sang-Je Park
PS-E-009	Support center for vaccine commercialization and development	Min-Kyung Park
PS-E-010	Assessment tool based non-invasive molecular imaging for pharmacokinetic evaluation of oligonucleotides	Sun Mi Park
PS-E-011	Comparative study of domestic and foreign national residue programs	Gye-Hyeong Woo
PS-E-012	Domestic and abroad investigations on bioresidue testing before shipment	Gye-Hyeong Woo
PS-E-013	Research trends of animal-assisted interventions in agro-healing	Hyun A Lee
PS-E-014	68Ga-Lactosylated albumin agent for the evaluation of liver function using quantitative imaging	Jin Sil Kim
PS-E-015	Comparison of biodistribution according to liposome size for the development of nano-based therapeutics	Ji Yoon Kim
PS-E-016	The application of alternatives to animal testing for skin sensitization evaluation on pesticides	So Hye Hong
PS-E-017	Study on a new toxicological assessment of endocrine disruptors (EDs) pesticides by in vitro OECD guideline	Ji Yeon Yang
PS-E-018	Effect of lactic acid bacteria on the pharmacokinetics and metabolism of ginsenosides in mice	Jin-hyang Park
PS-E-019	Pharmacokinetics of polynemoraline C in mice	Ji-Hyeon Jeon
PS-E-020	Development of diabetes pig model; pathological study on alloxan or streptozotocin-induced diabetic pig	Na-Rae Shin
PS-E-021	Analysis of CCR2 splice variant expression patterns and functional properties	Hee-Kyung Park
PS-E-022	Polymeric micelles including osthol-based drug combination for lung cancer therapy	Jae Min Lee
PS-E-023	Increased bioavailability of chrysin by preparing spray dried solid dispersion of chrysin	Jong-Geon LEE
PS-E-024	Cynomolgus macaque model for COVID-19 Delta variant	Seung Ho Baek
PS-E-025	Role of the modified Saengmaeksan(mSMS) in L-NAME-induced hypertension model	Jin Ki Jung
PS-E-026	Analysis of the animal experiment protocols review by IACUC in 2021 in Korea	Soo hee Leem
PS-E-027	Establishment of a NanoBiT-Based Cytosolic $Ca2^{+}$ sensor by optimizing Calmodulin-binding motif and protein expression levels	NGUYEN PHUONG LAN
PS-E-028	Nicotinamide Mononucleotide (NMN) enhances cloned mice embryo quality and improves the number of inner cell mass (ICM) cells	Yoo Bin Choi
PS-E-029	Functional characterization of CXCR3 splicing variants and their ligands	THI HUONG NGUYEN
PS-E-030	Establishment of the Mouse Pathogen Standard Cooperation Center (MPSC) in Korea	Sun-Min Seo
PS-E-031	New types of guided bone regeneration membrane in alveolar bone defect of beagle dog	Yong Sub Byun
PS-E-032	Chronic brain–machine interface research in monkey using customized *in vivo* system	Joong-Hyun Kim
PS-E-033	Standardization of Cynomolgus monkey (*Macaca fascicularis*) sperm analysis based on computer-assisted sperm analysis (CASA)	Yejin KIM

PS-E-034	Luteolin supplementation during oocyte maturation improves developmental competence of cloned embryos by reducing oxidative stress in pigs	Pil-Soo Jeong
PS-E-035	Bisphenol A –induced developmental impairment can be alleviated with IGF-1 treatment in porcine embryos	Min Ju Kim
PS-E-036	Cadmium exposure causes defect in porcine oocyte maturation and subsequent embryonic development by inducing ER stress	Min-Ah Gwon
PS-E-037	Proposal of *in vitro* and *in vivo* studies design to investigate the effect of FLASH radiotherapy	Yuri Lee
PS-E-038	Suggestions for writing SOPs for maintenance and calibration of GLP equipment	Ju-Hyun Bae
PS-E-039	Suggestions for efficient life-cycle management of GLP standard operating procedures	Hee-Jeong Ahn
PS-E-040	Predicting the abuse liability of new psychoactive compounds	Jeongha Kim
PS-E-041	Highly efficient human hematopoietic stem and progenitor cell generation from induced pluripotent stem cells using a simple scalable monolayer culture system	Myoung Hee Han
PS-E-042	Therapeutic efficacy of graphene quantum dots for alleviation of acute graft-versus-host disease in a xenogeneic mouse model	Aaron Yu
PS-E-043	Quantitative pharmacokinetic analysis using liquid chromatography–mass spectrometry (LC-MS/MS) and desorption electrospray ionization (DESI)-mass spectrometry imaging (MSI) in a rat transient MCAO model	Da-Sol Lee
PS-E-044	Biodistribution study of microplastics in mouse following intratracheal instillation by PET/CT	Jang Woo Park
PS-E-045	Glutathione (GSH) – sensitive magnetic resonance imaging (MRI) agent, a new indicator of Alzheimer's disease (AD) diagnosis	Hoesu Jung, Hee-Kyung Kim
PS-E-046	Performance study of anticoagulant (ASTM F1830) for establishment of in vitro blood circulation loop system	Jeong Hwa Kim
PS-E-047	Non-human primate diagnostic testing services of K-MEDI hub preclinical research center	Minji Seong
PS-E-048	Characterization of a rat plantar heel pain model using fascial distortion and efficacy test	Na-Hye Park
PS-E-049	Clinical evaluation of rapid diagnostic test kit for canine parvovirus and coronavirus	Chaeyeong Min
PS-E-050	Evaluation of biocompatibility for electrospinning PLLA-based absorbable dural substitute in rat brain dura mater defect model	Minjoo Cho
PS-E-051	Advanced quarantine program of non-human primate in K-MEDI hub	Gwang-Hoon Lee
PS-E-052	HepaRG cell line as an in vitro model for measurement of CYP450 enzyme activity by metabolic induction	Byung-suk Jeon
PS-E-053	Combined regenerative effect of human umbilical cord blood-derived mesenchymal stem cells, polydeoxyribonucleotides, and microcurrent therapy on chronic rotator cuff tear in a rabbit model	Dong Rak Kwon