

POSTER PRESENTATION

(P-01 – P-25: Presentation slot on May 15, from 11.15 – 12.00 am)

(P-26 – P-50: Presentation slot on May 15, from 14.45 – 16.00 pm)

P-01: High Glucose Suppresses Stemness and Migration of Human Placental-Derived Mesenchymal Stem Cells

*Supawadee Duangprom, Chairat Tantrawatpan, Pakpoom Kheolamai, Sirikul Manochantr**

P-02: Relationship Between DNA Degradation from Human Skeletal Remains and Post-Mortem Interval

Anchidta Nitichayangkul, Sittiporn Ruengdit, Supakit Khacha-Ananda, Sangob Sanit, Kwankamol Limsopatham, Pasuk Mahakkanukrauh, Chaturong Kanchai*

P-03: Anti-migration and Invasion of *Atractylodes lancea* (AL) Crude Extract in Breast Cancer Cells

*Akawan Changtong, Pattareeya Sereesantiwong, Warintorn Wongho, Sasiprapa Khunchai, Chutamas Thepmalee, Aussara Panya, Sangkab Sudsaward**

P-04: β -eudesmol Enhances Triple-Negative Breast Cancer Killing by Increasing Death Receptor Expression

*Pattareeya Sereesantiwong, Sangkab Sudsaward, Akawan Changtong, Sasiprapa Khunchai**

P-05: A Novel Approach to Self-rehabilitation: Leveraging Motion Sensing Technology for Enhanced Patient-Centered Care

Supitchayanan Lamahai, Sutthida Thansap, Tanyalak Kongdee, Paniti Achararit, Pawaree Nonthasaen, Phond Phunchongharn**

P-06: Aspartame-Induced Oxidative Stress Accompanying Poor Mitochondrial Biogenesis in Liver of Female Rats

*Jureeporn U-pathi, Yen-Chia Yeh, Yu-Fang Lin, Chia-Wen Chen, Rong-Hong Hsieh**

P-07: Protective Effects of *Momordica charantia* Fruit Extract on Testicular Damage and Sexual Disorder in Chronic Stress Rats

*Therachon Kamollerd, Tarinee Sawatpanich, Nongnut Uabundit, Supatcharee Arun, Chuchart Kamollerd, Suwit Uopasai, Sitthichai Iamsaard**

P-08: Increase of Apoptotic Protein Expressions in Chronic Stress Kidney and Liver Induced by Dexamethasone

*Chayakorn Taoto, Apichaya Wongsomwong, Auekarn Chaiyamart, Chadaporn Chaimontri, Natthapol Lapyuneyong, Sararat Innoi, Tidarat Chawalchitiporn, Therachon Kamollerd, Sitthichai Iamsaard**

P-09: Localization of Phosphatidylinositol 4-phosphate 5-kinase B in Adrenal Gland Mice

Surang Chomphoo^{*}, Hisatake Kondo, Wiphawi Hipkaeo

P-10: The Generation of ACE2 Receptor Targeting, Chimeric MrNV Virus-Like Particles Capable of Lowering SARS-CoV-2 Infection Titers

Supawich Boonkua, Orawan Thongsum, Purimpuch Soongnart,
Rueangtip Chantunmapitak, Somkid Jaranathummakul, Kitima Srisanga,
Somluk Asuvapongpatana, Patompon Wongtrakoongate,
Wattana Weerachatanukul, Atthaboon Watthammawut^{*}, Monsicha Somrit^{*}

P-11: Sulfated Galactan Suppresses IL-1 β -Induced Inflammatory Responses in Human Chondrocyte Cells

Amarin Thongsuk, Ruedee Hemstapat, Alita Kongchanagul,
Tulyapruerk Tawonsawatruk, Kanokpan Wongprasert^{*}

P-12: Induction of Cell Cycle Arrest in Human Prostate Cancer Cell Line by Saponin-Enriched Extract from Sea Cucumber, *Holothuria scabra*

Varandhorn Cholviyul, Prachayaporn Prasertsuksri, Chayut Somphakdee,
Kittaya Phugsapitak, Kulathida Chaithirayanon^{*}

P-13: Lectin-Like Protein Extract and Recombinant Lectin Protein from Red Seaweed *Gracilaria fisheri* and Its Potential Against Aquatic Bacteria

Boonyakorn Boonsri^{*}, Tawut Rudtanatip, Boonsirm Withyachumnarnkul,
Kanokpan Wongprasert

P-14: Morphometric Analysis of the Hepatopancreatic and Pancreatic Ducts and Their Implications in Pancreatitis

Napawan Taradolpisut, Athikhun Suwannakhan, Worawit Suphamungmee^{*}

P-15: Developmental Dynamics of Meckel's Cartilage in Human Embryos

Kanitin Rumpansuwon, Nutmethee Kruepunga^{*}, Athikhun Suwannakhan,
Wattana Weerachatanukul, Somluk Asuvapongpatana, Yotsawan Tinikul,
Jill P. J. M. Hikspoors, S. Elenore Köhler, Wouter H. Lamers

P-16: The Alteration of Testicular Protein Expressions and Tyrosine Phosphorylation in Chronic Stress Rats Induced with Dexamethasone

Natthapol Lapyuneyong, Chadaporn Chaimontri, Supatcharee Arun,
Tarinee Sawatpanich, Sitthichai Iamsaard^{*}

P-17: The Structure and Differential Gene Expression of the Midgut and Hindgut of *Penaeus vannamei*

Sukanya Saedan, Kamonluk Kittiwongpukdee, Natthakit Sawang-arom,
Wanida Santimanawong, Thanapong Kruangkum, Rapeepun Vanichviriyakit,
Charoonroj Chotwiwatthanakun^{*}

P-18: Altered Expression of Enzymes Involved in Lipolysis and Eicosanoid Pathways in Hepatopancreas of *Penaeus vannamei* During *Enterocytozoon hepatopenaei* Infection

Kamonluk Kittiwongpukdee, Sukanya Saedan, Wanarit Wimuttisuk,
Wanida Santimanawong, Charoonroj Chotwiwatthanakun,
Kallaya Sritunyalucksana, Rapeepun Vanichviriyakit*

P-19: Phytochemical Screening and Effect of *Paederia foetida* Linn. Leaf Extract on Sperm Viability

Sasitorn Phankhieo, Jiraporn Laoung-on, Ranida Quiggins, Paiwan Sudwan*

P-20: Structural Organization of Stomach-Hepatopancreas-Midgut Complex in Shrimp *Penaeus vannamei*

Pathompong Limsila, Phakkhananan Pakawanit, Kornchanok Jaiboon,
Sukanya Saedan, Suttipong Wannapaiboon, Charoonroj Chotwiwatthanakun,
Rapeepun Vanichviriyakit, Thanapong Kruangkum*

P-21: Existence of Molt Inhibiting Hormone and Crustacean Hyperglycemic Hormone Transcripts in the Antennal Gland of Giant Freshwater Prawn (*Macrobrachium rosenbergii*)

Kornchanok Jaiboon, Rapeepun Vanichviriyakit, Charoonroj
Chotwiwatthanakun, Prasert Sobhon, Thanapong Kruangkum*

P-22: Exploring the Potential Osteogenic Effects of Inner Wall Extract from Sea Cucumber *Holothuria scabra* on Preosteoblast MC3T3-E1 Cells

Sineenart Songkoomkrong, Supawadee Duangprom, Prateep Amonruttanapun,
Sirikul Manochantr, Napamane Kornthong*

P-23: Cut-Off Value for Fluorescence *In Situ* Hybridization in Detecting Trisomy 8 in MDS Patients

Sikrai Laowatthanaphong, Sirinda Aungsuchawan, Adisak Tantiworawit,
Thanawat Rattanathammethee, Nathaporn Pangjaidee, Kanokkan Bumroongkit*

P-24: Skin Repair Effects of Sulfated Galactan and Octanoyl-Sulfated Galactan Supplemented Ointments in Excision Rats

Tawut Rudtanatip*, Kamonwan Jongsomchai, Kanokpan Wongprasert,
José Kovensky

P-25: Protective Effect of Sulfation Sulfated Galactans against Sodium Oxalated-Induced Detachment of HK-2 Cells via the Activation of Cell Adhesion Molecules

Waraporn Sakaew*, Somsuda Somintara, Tawut Rudtanatip

P-26: Safety and Efficacy Assessment of Standardized *Kaempferia parviflora* Extracts in D-galactose-Induced Renal Aging in a Rat Model

Somsuda Somintara*, Tawut Rudtanatip, Waraporn Sakaew,
Jenjiralai Phanphak, Choowadee Pariwatthanakun, Bungorn Sripanidkulchai

P-27: Proteomic Characterization and Changes of Epididymides in Rats Induced with Valproic Acid

Supatcharee Arun^{*}, Sitthichai Iamsaard, Chadaporn Chaimontri,
Saranya Tongpan, Arada Chaiyamoorn, Caitlin Chambers, Jessica P Richard,
Simon P. de Graaf

P-28: Ecdysteroid Enhances the Immune System and Increases Bacterial Resistance in *Macrobrachium rosenbergii*

Arnon Pudgerd, Sukanya Saedan, Thanapong Kreungkum,
Rapeepun Vanichviriyakit, Charoonroj Chotwiwatthanakun^{*}

P-29: Anti-inflammatory Effects of Tuna Blood Hydrolysates on TNF- α -Induced Differentiated SH-SY5Y Cells

Panlekha Rungruang, Daraphan Rodthayoy, Pennapa Chonpathompikunlert,
Wanwimol Klaypradit, Veerawat Sansri, Morakot Sroyraya^{*}

P-30: Exploring the Effects of Tuna Blood Hydrolysate on Apoptosis and Autophagy in Differentiated SH-SY5Y Cells

Veerawat Sansri, Panlekha Rungruang, Daraphan Rodthayoy,
Morakot Sroyraya^{*}

P-31: Epithelial-Mesenchymal Transition and Nodal Metastasis in Invasive Breast Carcinoma - No Special Type

Pathirana LYV, Siriweera EH, Tennakoon TRDSK, Chandraprabha GHDS,
Amaratunga HA, Adikari SB^{*}

P-32: Melatonin Alleviated Methamphetamine-Induced Cognitive Deficits through the Canonical WNT Signaling Pathway in the Mouse Hippocampus

Rubina Shakya, Ponlawit Wisomka, Laurence Pe, Tanya Prasertporn,
Sujira Mukda^{*}

P-33: Autophagic Effect of Benzo(a)pyrene Exposure on Human Astrocytes through ER Stress Response

Tanapan Siangcham, Pornpun Vivithanaporn, Kant Sangpairoj^{*}

P-34: Effect of Melatonin on Rhythmic Antioxidant Enzyme Expression in the Aging Hippocampus

Nuttacha Niyompattanapanich, Janyaruk Suriyut, Pattanapong Boonprom,
Cheng Nilbu-Nga, Pansiri Phunsuwan-Pujito, Ratchadaporn Pramong^{*}

P-35: Inhibiting Ferroptosis Can Promote the Expression of GPX4 and FTH1 Proteins and Enhance Cell Viability in Alzheimer's Cells Model

Bensi Zhang, Xiujun Zhang, Waleephan Treebuphachatsakul,
Rungusa Pantan, Natnicha Kampan, Manussabhorn Phatsara, Chun Shi,
Suteera Narakornsak^{*}

P-36: EGR2 Affects Intracerebral Hemorrhage Cell Model through Microglial Mitophagy

Xiujun Zhang, Bensi Zhang, Waleephan Treebuphachatsakul, Rungusa Pantan,
Natnicha Kampan, Chun Shi, Suteera Narakornsak, Manussabhorn Phatsara^{*}

P-37: Histological Examination of Hypothalamus of Adult Male Wistar Rats Exposed to Smokeless Tobacco Treated with *Xylopi aethiopica* and Vitamin E
*Eteudo Albert**, *Nwachi Promise*

P-38: Effects of *Gymnema sylvestre* Leaf Extract on the Expression of Autophagy Proteins in the Brain of Diabetic Rats
*Wilairat Kankuan Kaewborisutsakul**, *Sirorat Thongrod*, *Wipapan Khimmaktong*

P-39: The Development of Photogrammetric Scanning Scaffolds for the Swift Production of 3D Anatomical Instructional Models
*Atthaboon Watthammawut**, *Orapin Gerdprasert*, *Somjai Apisawetakan*, *Chitraporn Kuanpradit*, *Jitchon Polprayoon*, *Sumon Jung-udomjaroen*, *Monsicha Somrit**

P-40: Prevalence of Falcine Sinus in Thai Population: Magnetic Resonance Image (MRI)
Mix Wannasarnmetha, *Athikhun Suwannakhan*, *Chanitkan Sathoengram*, *Natnicha Panyangnoi*, *Nutmethee Kruepunga*, *Thanyaporn Senarai**

P-41: Deteriorative Effects of 5-Fluorouracil on the Testes of Albino Rats
*Anup Pandeya**, *Deepak Chaudhary*, *Surendra Kumar Sah*

P-42: Radiological Study of the Intermediate Condylar Canal
Warisa Pitaksinagorn, *Weerapoom Pongruengkiat*, *Joe Iwanaga*, *R. Shane Tubbs*, *Napakorn Sangchay*, *Laphatrada Yurasakpong*, *Athikhun Suwannakhan**

P-43: Using Thiel Cadavers for Evaluating Screw Pullout in En Bloc Distal Radius Resection
Laphatrada Yurasakpong, *Athikhun Suwannakhan*, *Napawan Taradolpisut*, *Thewarid Berkban*, *Thanapon Chobpenthai*, *Theingi New*, *Pawarathe Bualert*, *Saran Seehanam*, *Chavin Jongwannasiri*, *Wares Chancharoen**

P-44: Accessing the Landmarks of the Parotid Duct in Thai Cadavers
Sirinat Tankruad, *Tawepong Arayapisit*, *Aikkarach Kettawan*, *Thanaporn Rungruang**

P-45: Origin Variations and Brachial Plexus Relationship of the Dorsal Scapular Artery
Kuen-Cherng Lai, *Han-Chen Ho**

P-46: A Comparison of Upper Limb Osteon Each Gender in Adult Thais
Chanasorn Poodendaen, *Partlapa Jaidee*, *Pureeya Wuttinontanachai*, *Supatsara Pokkrongsakun*, *Kaemisa Srisen*, *Phongpitak Putiwat*, *Poonikha Namvongsakool*, *Natthiya Sakulsak*, *Worrawit Boonthai*, *Kitinat Rodthongdee*, *Suthat Duangchit**

P-47: Determination of Apocrine Glands and Eccrine Glands Between Male and Female Cadavers

*Piyachat Seakow, Suphaphattra Saeku, Utsamaporn Rotanansit, Chanasorn Poodendaen, Poonikha Namvongsakool**

P-48: Impact of Red Yeast Rice Subchronic Exposure on Rat Testicular Histological Architecture

Kannika Adthapanyawanich, Jirapan Jungin, Laksika kitnopsri, Saowaphak Oakkharawanitloet, Maneekan Wong-ong, Thipsuda Pinnasu, Saowalak Rungruang, Wittawat Tajai, Julintorn Somran, Hiroki Nakata, Peter Mark, Caitlin Wyrwoll, Rachael Crew, Wai Chen, Kroekkiat Chinda, Yutthapong Tongpob**

P-49: Morphological Studies of Pancreatic Cells in High-Fat Diet-Induced Obese Rats Treated with Simvastatin

*Ratchadaporn Yoonakorn, Worarat Rojanaverawong, Pannita Holasut, Phisit Khemawoot, Pornpun Vivithanaporn, Chutima S. Vaddhanaphuti, Manussabhorn Phatsara**

P-50: Enhancing Sex Prediction through Bayes Classifier Analysis of Anterior Tooth Size

Tawepong Arayapisit, Anak Iamaroon, Pasuk Mahakkanukrauh, Apichat Sinthubua, Sukon Prasitwattanaseree*