



The 4th Annual Health Research International Conference

PROGRAM AT A GLANCE

9-10 OCT 2025

Research Innovation and Medical Technology Transfer Building (RI-MeT)
Faculty of Medicine, Prince of Songkla University

Time	Day1 9th October 2025	Day2 10th October 2025
08:30	Registration 08:30 - 09:00 1F	Registration 08:30 - 09:00 1F
09:00	Opening Speech 09:00 - 09:10 1F Auditorium	Plenary: Human Immunogenomics 09.00 - 09.45 Prof. Dean Naisbitt 1F Auditorium
09:30	Keynote 1: Climate Change 09:10 - 09:55 Prof. Perapong Tekasakul 1F Auditorium	Invited Speaker 2: Medical Device & Biosensor 09.45 - 10.20 Dr. Jeewoong Park 1F Auditorium
10:00	Keynote 2: Pathology and Practicein Dengue 09:55 - 10:40 Dr. Chun-Yu Lin 1F Auditorium	Coffee Break 10.20 - 11.10 3F Open space
10:30	Poster Session A 10:40 - 11:30 • Precision Medicine - P001-P015 3F Open space	Oral Presentation Session 3 11.10 - 12.00 • Room 1: Emerging Infectious Diseases - 0024-0025 • Room 2: Healthy Aging - 0026-0027 3F
11:00	Invited Speaker 1: Emerging Infectious Disease & Precision Medicine 11:30 - 12:05 Prof. Prasit Palittapongarnpim 1F Auditorium	Lunch 12:00 - 13:00 1F
12:00	Lunch 12:05 - 13:00 1F	Closing Remarks & Certificate Presentation 13.00 - 14.30 Prof. Sarunyou Chusri Asst. Prof. Kittipong Riabroi 1F Auditorium
12:30	Keynote 3: Food Sciences & Healthy Aging 13:00 - 13:45 Prof. Emilie Combet Aspray 1F Auditorium	
13:00	Oral Presentation Session 1 13:45 - 14:45 3F • Room 1 : Precision Medicine - 0001-0004 • Room 2 : Data Science/Digital Health - 0005-0007 • Room 3 : Global Health/Health System & Policy - 0008-0012	
14:00	Poster Session B 14:45 - 15:35 • Data Science - P016-P019 • Medical Innovation - P020-P026 3F Open space	
14:30	Oral Presentation Session 2 15:35 - 16:35 3F • Room 1: Precision Medicine - 0013-0016 • Room 2: Medical Innovation - 0017-0020 • Room 3: Climate Change - 0021-0023	
15:00		
15:30		
16:00		
16:30		
18:00		



The 4th Annual Health Research International Conference



9th Oct 2025

Session 1 | 13:45 – 14:45

Session 2 | 15:35 – 16:35

Oral Presentation

ROOM 1

3rd floor - Research Innovation and Medical
Technology Transfer Building (RI-MeT)
Faculty of Medicine, Prince of Songkla University

	Time	Code	Theme	Presenter	Title
Section 1	13:45 – 14:00	0001	Precision Medicine/Clinical Medicine	Miss Surangkana Oongsakul	Knowledge, attitudes, and practices of enhanced recovery after surgery among registered nurses in a university hospital: A cross-sectional study
	14:00 – 14:15	0002	Precision Medicine/Clinical Medicine	Miss Panpaporn Asavanapakas	The risk of peroneal nerve injury in all-inside lateral meniscal repair through the popliteus tendon using five different needle designs: A cadaveric study
	14:15 – 14:30	0003	Precision Medicine/Clinical Medicine	Mr. Supanut Sereeeaphinan	Real-World Effectiveness of Once-Weekly Semaglutide Injection in Type 2 Diabetes: A Retrospective Study
	14:30 – 14:45	0004	Precision Medicine/Clinical Medicine	Miss Thitawan Chimpalee	Identification of prognostic markers for predicting recurrence and progression of non-muscle invasive urothelial carcinoma via bioinformatic analysis
Break					
Section 2	15:35 – 15:50	0013	Precision Medicine/Clinical Medicine	Ms. Wirawan worakit	Increased Expression of Fibrinogen Alpha Chain Enhances the Response to Cisplatin and Gemcitabine Doublet Chemotherapy in A549 Lung Adenocarcinoma Cell Line
	15:50 – 16:05	0014	Precision Medicine/Clinical Medicine	Miss Prangnapas Kongneam	Regional and subphase gait analysis for foot loading characteristics of post-stroke patients and healthy participants
	16:05 – 16:20	0015	Precision Medicine/Clinical Medicine	Miss Pimlapas Suravee	Evaluation of the Radioprotective Effects of Curcumin Derivatives on Ionizing Radiation-Induced Damage in Normal Human Breast Epithelial Cells
	16:20 – 16:35	0016	Precision Medicine/Clinical Medicine	Mr. Natthapon Khongcharoen	Genetic Architecture of Pubertal Disorders Revealed by Whole-exome Sequencing



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Session 1 | 13:45 - 14:30

Session 2 | 15:35 - 16:35

Oral Presentation

ROOM 2

3rd floor - Research Innovation and Medical
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	Time	Code	Theme	Presenter	Title
Section 1	13:45 – 14:00	0005	Data Science/Digital Health	Mr. Punyapat Sengdonprai	SkinSight AI-Enhanced Early Detection and Classification of Skin Cancer Using Image-Based Deep Learning Models
	14:00 – 14:15	0006	Data Science/Digital Health	Mr. Chakrin Techaboonsermsak	Fusion of Thermal and Multispectral Diabetic Foot Ulcer Imaging with AI for Non-Invasive Healthcare Monitoring
Break					
Section 2	15:35 – 15:50	0018	Medical Innovation	Mr. Nitikorn Phattanee	Silk fibroin incorporated with disaccharide to organize morphological construction of wound dressing; fabrication, characterization, physical Performance
	15:50 – 16:05	0020	Medical Innovation	Miss Preyahathai Aroonvanichporn	Virtual Reality Intervention During Hysteroscopy: A Novel Approach to Enhancing Parasympathetic Response
	16:05 – 16:20	0028	Medical Innovation	Miss Phetploy Rungkamoltip	Transforming Leftover Skin Specimens into an Ex Vivo Skin Culture Platform for Medical Innovation Development



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9th Oct 2025

Session 1 | 13:45 – 15:00

Session 2 | 15:35 – 16:20

Oral Presentation

ROOM 3

3rd floor - Research Innovation and Medical
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	Time	Code	Theme	Presenter	Title
Section 1	13:45 – 14:00	0008	Health System & Policy/Global Health	Ms. Chutinan Sukkua	Prevalence of cannabis use, health consequences, and harm to others from cannabis use among undergraduate students one year after medical cannabis legalization
	14:00 – 14:15	0010	Health System & Policy/Global Health	Mr. Lê Bá Giang	Assessing the relationships between diet, sports and anthropometric indicators of elementary school students in Vietnam using Structural Equation Modeling
	14:15 – 14:30	0011	Health System & Policy/Global Health	Mr. Md. Nuruzzaman	Rubella Vaccination Acceptance in Bangladesh: Exploring Young Female Adults' Willingness for Self and Child as a Policy Guidance
	14:30 – 14:45	0012	Health System & Policy/Global Health	Mr. Kazi Salahin	Stakeholder perspective on interventions and health system barriers for childhood vaccination in urban slum of Bangladesh: A qualitative study
Break					
Section 2	15:35 – 15:50	0021	Climate change	Ms. Proudphisooth Wongprakornkul	Correlation between exposure to PM2.5 and incidence of acute exacerbation of chronic obstructive pulmonary disease in Health Region 12, Thailand A retrospective study with time series analysis
	15:50 – 16:05	0022	Climate change	Ms. Natthaya Bunplod	Effect of Air pollution on Natural Death in Southern Thailand; A Case-Crossover Study
	16:05 – 16:20	0023	Climate change	Mr. Suyanto Suyanto	Impact of Meteorological Factors and Air Quality Index on COVID-19 Incidence in Pekanbaru, Indonesia: A Three-Year Data Analysis (2020-2023)



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10th Oct 2025
Session 3 | 11:10 – 11:40

Oral Presentation

ROOM 1

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	Time	Code	Theme	Presenter	Title
Section 3	11:10 – 11:25	0024	Emerging Infectious / Diseases	Miss Siriwan Aroonrungreang	In silico analysis of apigenin and luteolin as dual inhibitors of dengue virus serotype 2 NS2B/NS3 protease and host C-type lectin receptor
	11:25 – 11:40	0025	Emerging Infectious / Diseases	Mr. Wuttirote Sangchayoswat	One-year humoral immunogenicity of the SARS-CoV-2 mRNA vaccine booster in patients with autoimmune rheumatic disease receiving immunosuppressants



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10th Oct 2025
Session 3 | 11:10 – 11:40

Oral Presentation

ROOM 2

3rd floor - Research Innovation and Medical
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	Time	Code	Theme	Presenter	Title
Section 3	11:10 – 11:25	0026	Healthy aging	Miss Worarat Boonpech	Phloretin Inhibits Glucose Uptake in HepG2 Cells: In Vitro and Docking Insights
	11:25 – 11:40	0027	Healthy aging	Miss Thitirut Jongutchariya	Factors Predicting Ambulatory Status at Hospital Discharge After Fragility Hip Fracture Surgery: A Retrospective Cohort Study



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9th Oct 2025

Session A | 10:40 – 11:20

Session B | 14:45 – 15:20

Poster Presentation

Open Space

3rd floor - Research Innovation and Medical
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Section A	Time	Code	Theme	Presenter	Title
	10:40 – 10:45	P001	Precision Medicine/Clinical Medicine	Mr. Suppanut Siriseth	The Association Between Bell's Palsy and Subsequent Diabetes Mellitus : A Retrospective Cohort Study
	10:45 – 10:50	P002	Precision Medicine/Clinical Medicine	Miss Hattaya Chutiphimon	The Impact of Invasive Coronary Angiography during admission in the Elderly with NSTEMI-ACS
	10:50 – 10:55	P003	Precision Medicine/Clinical Medicine	Miss Yanin Tangjaroenpaisan	The effect of Schroth method exercise on preoperative flexibility in AIS surgical candidates, a randomized controlled trial
	10:55 – 11:00	P004	Precision Medicine/Clinical Medicine	Mr. Knokpit Wattanapaiboon	Association of in-hospital guideline-directed medical treatment score and mortality in post-myocardial infarction patients with LV dysfunction; A single-center retrospective study
	11:00 – 11:05	P005	Precision Medicine/Clinical Medicine	Miss Ruamporn Kansawai	Glucocorticoid-Induced Hyperglycemia in Hospitalized Non-Diabetic Patients A retrospective cohort study
	11:05 – 11:10	P006	Precision Medicine/Clinical Medicine	Miss Suppanut Komjakraphan	Hematopoietic stem cell-derived natural killer cells for a potential alternative cell source for cancer immunotherapy
	11:10 – 11:15	P007	Precision Medicine/Clinical Medicine	Miss Samittha Fueangfupong	Normal reference range of skeletal muscle in healthy Thai population
	11:15 – 11:20	P008	Precision Medicine/Clinical Medicine	Ms. Chunxia He	Lung Injury and Subclinical Respiratory Symptoms among Young Chinese Vapers: Evidence from Symptom Screening and Pulmonary Function Test
	10:40 – 10:45	P009	Precision Medicine/Clinical Medicine	Mr. Tawan Limamornrat	Retrospective Cohort Study on Clinical Outcomes in Endogenous Cushing's Syndrome in Songklanagarind hospital (Pilot study prepare for A Multi-Center in Thailand)



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9th Oct 2025

Session A | 10:40 – 11:20

Session B | 14:45 – 15:20

Poster Presentation

Open Space

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	Time	Code	Theme	Presenter	Title
Section A	10:45 – 10:50	P010	Precision Medicine/Clinical Medicine	Mr. Auttawut Chalermwuttanon	Adrenal Tumor Spectrum and Surgical Indications: A 10-Year Retrospective Study from Southern Thailand
	10:50 – 10:55	P011	Precision Medicine/Clinical Medicine	Mr. Natthapong Chuaipitak	Predictors of Unfavorable Outcomes of In-Hospital Acute Ischemic Stroke: A Retrospective Case-control Study
	10:55 – 11:00	P012	Precision Medicine/Clinical Medicine	Mr. Chonlanat Puetpaiboon	Heart failure prognostication from guideline-directed medical therapy
	11:00 – 11:05	P013	Precision Medicine/Clinical Medicine	Ms. Kamonluk Thepuatrakul	Prevalence and Risk Factors of Acute Pancreatitis in Childhood Acute Leukemia
	11:05 – 11:10	P014	Precision Medicine/Clinical Medicine	Mr. Tawatchai Piathong	The Associations of Weight Reduction with Respiratory Function and Gas Exchange in Obesity Hypoventilation Syndrome: A Retrospective Study
	11:10 – 11:15	P015	Precision Medicine/Clinical Medicine	Mr. Sarawut Chamnina	Prognostic implications of circulating cell-free DNA concentration and somatic mutation profiling in advanced prostate cancer
Break					
Section B	14:45 – 14:50	P016	Data Science/Digital Health	Miss Tanyalak Sanphiboon	Survival Outcome in Advanced Stage Cancer Patients: A Retrospective study on Impact of Consultation Approaches in Palliative Care
	14:50 – 14:55	P017	Data Science/Digital Health	Mr. Detphop Tanasanchonnakul	Applying Large Language Models (LLMs) to Automatically Generate Hospital Discharge Summaries
	14:55 – 15:00	P018	Data Science/Digital Health	Mr. Jutinun Kittivarapong	Correlation between National Early Warning Score and Acute Kidney Injury and outcome in Songklanagarind hospital



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9th Oct 2025

Session A | 10:40 – 11:20

Session B | 14:45 – 15:20

Poster Presentation

Open Space

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Section B	Time	Code	Theme	Presenter	Title
	14:45 – 14:50	P019	Data Science/Digital Health	Ms Thitirat Boriboonsri	Personalized and General Knowledge-Based Cognitive Engagement for Alzheimer's Patients Using AI-Generated Image and Word Prompts
	14:50 – 14:55	P020	Medical Innovation	Assoc.Prof. Warut Aunjitsakul	A Pilot Evaluation of a Culturally Tailored Virtual Reality Exposure Therapy Program for Social Anxiety in Thailand
	14:55 – 15:00	P021	Medical Innovation	Mr. Pannatat Wongbangpo	AI-Based Multi-Classification of B12 Deficiency Using Deep Learning on Photographic Eye Images
	15:00 – 15:05	P022	Medical Innovation	Miss Nutwaree Chanthavijaiikul	Deep Learning AI Detection of Skin Rashes via Image Analysis
	15:05 – 15:10	P024	Medical Innovation	Miss Kewarin Phonklam	A microfluidic biosensing platform for neutrophil gelatinase-associated lipocalin detection in acute kidney injury
	15:10 – 15:15	P025	Medical Innovation	Mr. Kadbodee Pliphon	Modeling Nutrient and Oxygen Diffusion in 3D Cancer-on-a-chip platform using COMSOL Simulation
	15:15 – 15:20	P026	Medical Innovation	Miss Suwali Wichian	Development of a Troponin I Based Biosensor, for Acute Myocardial Infarction Diagnosis