



The 2nd Annual Health Research International Conference 2023

(AHR-iCON 2023)

Songkhla, Thailand,
19-20 July 2023

Global Health & Medical Sciences:
Research & Innovation towards
Post-Covid Health Equity



Day 1: July 19, 2023

09.00-09.10 ROOM: Kasem Limwongse	Open Speech		
09.10-09.55 ROOM: Kasem Limwongse	Topic: The control of pore forming immune effectors in health and diseases Keynote Speaker: Prof. James Whistock, MA, PhD Professor (Research), Biochemistry & Molecular Biology Monash Biomedicine Discovery Institute, Australia		
09.55-10.15	Break (Separate room) with Coffee break		
	ROOM 1: Pantipya Sanguanchua Session 1	ROOM 2: Atirek Na Thalang Session 2	ROOM 3: Vicharn Panich Session 3
10.15-10.40	Topic: Economic Impact of Post-Covid Pandemic: How responsive are our health systems? Invited Speaker Prof. Dr. Syed Aljunid, M.D., MPH., Ph.D. Public Health Medicine and Health Economics of National University of Malaysia, Universiti Kebangsaan Malaysia, MALAYSIA	Topic: Potential of cannabidiol for anti-inflammatory in the airways Invited Speaker Prof. Teerapol Srichana, Ph.D. Faculty of Pharmaceutical Science, Prince of Songkla University	Topic: Recent Advance in Epidemiological Research Method Invited Speaker Prof. Virasakdi Chongsuvivatwong, M.D., Ph.D. Department of Epidemiology, Faculty of Medicine, Prince of Songkla University
	Oral presentation (6)	Oral presentation (5)	Oral presentation (6)
	Lunch		
13.00-13.45 ROOM: Kasem Limwongse	Topic: The role of epidemiological and economic modelling during the COVID-19 pandemic Keynote Speaker: Prof. Mark Jit, BSc PhD MPH Professor of Vaccine epidemiology and Head of Department Department of Infectious Disease Epidemiology London School of Hygiene and Tropical Medicine, UK		
13.45-14.05	Break (Separate room) with Coffee break		
	ROOM 1: Pantipya Sanguanchua Session 4	ROOM 2: Atirek Na Thalang Session 5	ROOM 3: Vicharn Panich Session 6
14.05-15.20	Oral presentation (5)	Oral presentation (5)	Oral presentation (5)
15.20-16.30 ROOM: Kasem Limwongse	PSU-BCG HACKATHON 2023		

Day 2: July 20, 2023

09.00-09.45 ROOM: Kasem Limwongse	Topic: Health equity in times of war and conflict - research gaps Keynote Speaker: Prof. Espen Bjertness, Ph.D. Professor, Community Medicine and Global Health Department of Community Medicine and Global Health Institute of Health and Society, Faculty of Medicine, University of Oslo, Norway		
09.45-10.40 ROOM: Kasem Limwongse	Global Health Forum: Climate and Health Effect		
10.40-11.00	Break (Separate room) with Coffee break		
	ROOM 1: Pantipya Sanguanchua Session 7	ROOM 2: Atirek Na Thalang Session 8	ROOM 3: Vicharn Panich Session 9
11.00-11.25	Topic: A pathway towards personalized cancer immunotherapy Invited Speaker Prof. Nattiya Hirankarn, M.D., Ph.D. Cancer Immunotherapy Excellence Center, Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital	Topic: When Machine Directly Talk with the Nerve and Brain: Brain-Computer Interfacing for Assistive and Preventive Technologies Invited Speaker Assoc. Prof. Yodchanan Wongsawat, Ph.D. Department of Biomedical Engineering, Faculty of Engineering, Mahidol University	Topic: Submicroscopic Malaria Infection: A threat to Malaria Elimination Invited Speaker Assist. Prof. Saranath Lawpoolsri Niyom, M.D., Ph.D. Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University
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14.05-14.30	Topic: Research challenge in molecular genetic for precision medicine Invited Speaker Prof. Manop Pithukpakorn, M.D., Ph.D. Faculty of Medicine Siriraj Hospital, Mahidol University	Topic: Current and future medical innovations in precision medicine Invited Speaker Assist. Prof. Amornpun Sereemasapun, M.D., Ph.D. Faculty of Medicine, Chulalongkorn University	Topic: Research integrity and misconduct Invited Speaker Sunaina Singh, Ph.D. Experienced STEM editor, Editage
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	Break (move to ROOM: Kasem Limwongse)		
	Research to Innovation: PSU experience		
16.00-16.30 ROOM: Kasem Limwongse	Award announcement		



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	Invited Speaker	Invited Speaker	Invited Speaker
	Name: Prof. Dr. Syed Aljunid, M.D., MPH., Ph.D.	Name: Prof. Teerapol Srichana, Ph.D.	Name: Prof. Virasakdi Chongsuvivatwong, M.D., Ph.D.
	Affiliation: Public Health Medicine and Health Economics of National University of Malaysia, Universiti Kebangsaan Malaysia, MALAYSIA	Affiliation: Faculty of Pharmaceutical Science, Prince of Songkla University	Affiliation: Department of Epidemiology, Faculty of Medicine, Prince of Songkla University
Oral presentation 10.40-12.10 present : 8 min Q&A : 7 min	Oral presentation (6)	Oral presentation (5)	Oral presentation (6)
10.40-10.55	R1_OP1: Zwolle risk score for early discharge strategy after PCI in STEMI: A retrospective study in Songklanagarind Hospital / Tawin Khaimook	R2_OP1: Gender difference in the association between triglycerides-to-high-density lipoprotein cholesterol ratio and apolipoprotein B level / Pattaranate Cheecharoen	R3_OP1: Predicting the need for intensive care unit in non-ST-segment elevation acute coronary syndrome patients: external validation of the ACTION ICU score / Sorrawis Ronnapoom

10.55-11.10	R1_OP2: Use of Antibiotics by Parents of Children Aged 3-6: One Cross-Sectional Study / Dan Wang	R2_OP2: Development and functional characterization of autologous-patient ex vivo human hematopoietic stem cell-derived T lymphocyte for off-the-shelf cancer immunotherapy / Kajornkiat Meneechai	R3_OP2: The public's irrational use of antibiotics for upper respiratory tract infections: A cross-section study based on health belief model / Masterxi Wang (online)
11.10-11.25	R1_OP3: Efficacy of cool spray for local anesthesia before intra-articular knee procedure / Chawin Kitsanasakul	R2_OP3: Genomic Diversity of Mycobacterium tuberculosis in Mandalay region, Myanmar / Aye Nyein Phyu	R3_OP3: Can a traction-internal rotation radiograph increase agreement and accuracy in detection of an unstable pattern in an intertrochanteric fracture? / Trisak Kingchan
11.25-11.40	R1_OP4: Effect of Critically Ill Patient's Skin Assessment and Monitoring Tools: The Coccyx Score / Uraiwan Sumranrat	R2_OP4: The incorporation of CD40 co-stimulatory molecule into CD19.28z CAR confers greater tumoricidal activity and T-cell persistence by modulating PD-1 expression / Jakrawadee Julamane	R3_OP4: Epidemiology and Final Outcomes of Patients with Reported Inconclusive HIV Antibody Test in Songklanagarind Hospital: A 9-year retrospective study / Papimon Sophark
11.40-11.55	R1_OP5: Self-esteem and depression in patient with adolescent idiopathic scoliosis / Faiz sannakit	R2_OP5: Comparative protein profiling of urinary extracellular vesicles in stage-specific breast cancer patients: Pilot study / Nilobon Jeanmard (online)	R3_OP5: Do the different arm positions affect the exposure in a minimally invasive posterior scapular approach?: A cadaveric study / Supatat Chirattikalwong
11.55-12.10	R1_OP6: Validation of the "aMAP" Score for Predicting Hepatocellular Carcinoma Development in Chronic Hepatitis B Patients in Thailand / Supakorn Chaiwiryawong		R3_OP6: Outcomes of routine screening for SARS-CoV-2 by RT-PCR in asymptomatic patients before elective operations/interventions / Sitthi Mettasitthikorn
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13.00-13.45 Present: 40 min Q&A: 5 min ROOM: Kasem Limwongse	<p>Topic: The role of epidemiological and economic modelling during the COVID-19 pandemic</p> <p>Keynote Speaker: Prof. Mark Jit, BSc PhD MPH</p> <p>Professor of Vaccine epidemiology and Head of Department Department of Infectious Disease Epidemiology London School of Hygiene and Tropical Medicine, UK</p> <p>(Online)</p>		
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14.05-14.20	R1_OP7: Factors associated with the incidence of coronavirus disease of 2019 in Muang Pattani District, Thailand / Lukman Dunthara	R2_OP6: Target Antigen Binding of Glycine Serine Linker Augments CD37CAR-T Performance / Wannakorn Khopanalert	R3_OP7: The Role of Thai Local Herbs and Ingredients in Promoting Post-Pandemic Wellness and Medical Tourism for Sustainable Development Goal 3: A Critical Literature Review / Chengxiang Ma
14.20-14.35	R1_OP8: Comparison of the efficacy between longitudinal and transverse open skin incision in De quervain's tenosynovitis: A randomized controlled trial / Nipat Panichnantho	R2_OP7: A preliminary study on gyroscope-based gait characteristics between left-affected side and right-affected side stroke patients / Thanita Sanghan (online)	R3_OP8: Neuroprognostication after out-of-hospital cardiac arrest using an increase in mean platelet volume / Tirapat Kongratanasert
14.35-14.50	R1_OP9: Risk factor of recurrent thrombosis in patients with venous thromboembolism using warfarin therapy / Peerasit Sae-Lim	R2_OP8: The optimal distal screw length in distal radius plate fixation / Bunyaporn Wuttiworawanit	R3_OP9: The Development of Nursing Guidelines and Monitoring Tools for Symmetrical Peripheral Gangrene Prevention in Patients Using Vasopressors at MICU / Sayamon Noosen
14.50-15.05	R1_OP10: Efficacy between Kinesiotaping versus elbow brace in Lateral epicondylitis patients: A randomized controlled trial: a preliminary study / Titipong Kriengtaweekit	R2_OP9: Which populations are more vulnerable to public health measures during a pandemic? Analysis of longitudinal surveillance data of tuberculosis patients from 2017 to 2022 in Wuhan, China / Qian Fu	R3_OP10: Risk factors of bleeding during an amyloidosis biopsy / Watsamon Uraiwan
15.05-15.20	R1_OP11: Incidence of acute stroke and associated factors in patients suspected of stroke following to whole cell COVID-19 vaccination (CoronaVac) in Southern of Thailand: A multicenter study / Adithep Leevattananukool	R2_OP10: Digital image analysis of tumor patterns and a histological model for prognostic evaluation of invasive non-mucinous adenocarcinoma of the lung / Waratchaya Tirasarnvong	R3_OP11: The public's antibiotic use behavioral patterns and their determinants for upper respiratory tract infections: a latent class analysis based on consumer behavior model in China / Chenxi Liu
15.20-16.30 ROOM: Kasem Limwongse	PSU-BCG HACKATHON		

Day 2: July 20, 2023

<p>09.00-09.45 Present: 40 min Q&A: 5 min ROOM: Kasem Limwongse</p>	<p>Topic: Health equity in times of war and conflict - research gaps Keynote Speaker: Prof. Espen Bjertness, Ph.D. Professor, Community Medicine and Global Health Department of Community Medicine and Global Health Institute of Health and Society, Faculty of Medicine University of Oslo, Norway (Online)</p>		
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	<p>Name: Prof. Nattiya Hirankarn, M.D., Ph.D.</p>	<p>Name: Assoc. Prof. Yodchanan Wongsawat, Ph.D.</p>	<p>Name: Assist. Prof. Saranath Lawpoolsri Niyom, M.D., Ph.D.</p>
	<p>Affiliation: Cancer Immunotherapy Excellence Center, Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital</p>	<p>Affiliation: Department of Biomedical Engineering, Faculty of Engineering, Mahidol University</p>	<p>Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University</p>
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<p>11.25-11.40</p>	<p>R1_OP12: Experience during COVID-19 Pandemic: The Effects on Prehospital Time Intervals of Emergency Medical Services in Thailand / Patiman Chanrak</p>	<p>R2_OP11: Serum Sodium Level is Predictive for Kidney Injury or Hyponatremia after Modest-volume Paracentesis (<5L) to Release Ascites in Asian Cirrhotic Patients / Chayathorn Aramcharoen</p>	<p>R3_OP12: The Cost of Breast Cancer In Indonesia 2023 / R. Soeko W. Nindito D.</p>

11.40-11.55	R1_OP13: Epidemiology, seasonal variability, and factors determining mortality in patients with acute appendicitis in Thailand: A study using data from the National Health Security Office / Nattaya Khiawthum	R2_OP12: Discriminative ability on endurance impairment relating to hyperkyphosis using the block method / Roongnapa Intaruk	R3_OP13: Analysis of spatial and temporal patterns of COVID-19 incidence in Thailand / Nualnapa Paekpan
11.55-12.10	R1_OP14: PM _{2.5} and respiratory symptoms in urban and suburban schoolchildren in Ho Chi Minh City, Vietnam / Huynh Ngoc Thanh	R2_OP13: The correlation and accuracy of serum Interferon gamma inducible Protein 10 (IP-10) with Interferon Gamma Release Assays (IGRAs) in diagnosis of latent tuberculosis in health care workers / Theerapat Buppodom	R3_OP14: Adherence with sputum collection and quality of sputum in tuberculosis screening during pregnancy in Yogyakarta, Indonesia: a cross-sectional study in pregnant women and healthcare workers / Dzerlina Syanaiscara Rahari
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<p>Q&A: 5 min</p>	<p>Affiliation: International Centre for Migration, Health and Development, Switzerland Former WHO Director and Country Representative to Thailand and Namibia</p>	<p>Affiliation: Department of Biomedical Sciences and Biomedical Engineering, Faculty of Medicine, Prince of Songkla University</p>	<p>Affiliation: Department of Internal Medicine, Faculty of Medicine, Prince of Songkla University</p>
<p>14.55-15.00</p>	<p>Break (move to ROOM: Kasem Limwongse)</p>		
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Keynote Speakers

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Global Health & Medical Sciences:
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JULY 19, 2023

Topic: The control of pore forming immune effectors in health and diseases

Prof. James Whisstock, MA, PhD

Professor (Research), Biochemistry & Molecular Biology Monash Biomedicine Discovery Institute, Australia



Topic: The role of epidemiological and economic modelling during the COVID-19 pandemic

Prof. Mark Jit, BSc PhD MPH

Professor of Vaccine epidemiology and Head of Department, Department of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine, UK



JULY 20, 2023

Topic: Health equity in times of war and conflict-research gaps

Prof. Espen Bjertness, PhD

Professor, Community Medicine and Global Health, Department of Community Medicine and Global Health, Institute of Health and Society, Faculty of Medicine, University of Oslo, Norway



Topic: Routine to Research to Health Care Practice and Recommendations: real examples of ebm implementation

Prof. Pisake Lumbiganon, MD, MS

Professor, Obstetrics & Gynecology, Khon Kaen University, Thailand, Cochrane Thailand



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INVITED SPEAKER: JULY 19, 2023



Prof. Dr. Syed Aljunid, M.D., MPH., Ph.D.
Public Health Medicine and Health
Economics of National University of
Malaysia, Universiti Kebangsaan Malaysia,
MALAYSIA



Prof. Teerapol Srichana, Ph.D.
Faculty of Pharmaceutical Science,
Prince of Songkla University



**Prof. Virasakdi Chongsuvivatwong,
M.D., Ph.D.**
Department of Epidemiology,
Faculty of Medicine,
Prince of Songkla University

INVITED SPEAKER: JULY 20, 2023



Prof. Nattiya Hirankarn, M.D., Ph.D.
Cancer Immunotherapy Excellence Center,
Faculty of Medicine, Chulalongkorn
University and King Chulalongkorn
Memorial Hospital



**Assoc. Prof. Yodchanan Wongsawat,
Ph.D.**
Department of Biomedical Engineering,
Faculty of Engineering, Mahidol University



**Assist. Prof. Saranath Lawpoolsri Niyom,
M.D., Ph.D.**
Department of Tropical Hygiene,
Faculty of Tropical Medicine, Mahidol
University



Prof. Manop Pithukpakorn, M.D., Ph.D.
Faculty of Medicine Siriraj Hospital,
Mahidol University



**Assist. Prof. Amornpun Sereemasapun,
M.D., Ph.D.**
Faculty of Medicine,
Chulalongkorn University



Sunaina Singh, Ph.D.
Experienced STEM editor, Editage



Prof. Quazi Monirul Islam
International Centre for Migration, Health
and Development, Switzerland
Former WHO Director and Country
Representative to Thailand and Namibia



**Assist. Prof. Nawamin Pinpathomrat,
M.D., Ph.D.**
Department of Biomedical Sciences and
Biomedical Engineering, Faculty of Medicine,
Prince of Songkla University





Assoc. Prof. Pimsiri Sripongpun, M.D.
Department of Internal Medicine,
Faculty of Medicine, Prince of Songkla
University




INVITED SPEAKER: JULY 19, 2023


Economic Impact of Post-Covid Pandemic:
How responsive are our health systems?

 **ROOM 1:** Pantipya Sanguanchua


 10.15 - 10.40


Potential of cannabidiol for anti-inflammatory in
the airways

 **ROOM 2:** Atirek Na Thalang

 10.15 - 10.40

Recent Advance in Epidemiological Research
Method

 **ROOM 3:** Vicharn Panich

 10.15 - 10.40



Prof. Dr. Syed Aljunid, M.D., MPH., Ph.D.

Public Health Medicine and Health Economics of
National University of Malaysia,
Universiti Kebangsaan Malaysia, MALAYSIA



Prof. Teerapol Srichana, Ph.D.

Faculty of Pharmaceutical Science,
Prince of Songkla University



Prof. Virasakdi Chongsuvivatwong, M.D., Ph.D.


Department of Epidemiology,
Faculty of Medicine, Prince of Songkla University






INVITED SPEAKER: JULY 20, 2023


A pathway towards personalized cancer immunotherapy

 **ROOM 1:** Pantipya Sanguanchua


 11.00 - 11.25


When Machine Directly Talk with the Nerve and Brain: Brain-Computer Interfacing for Assistive and Preventive Technologies

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Submicroscopic Malaria Infection: A threat to Malaria Elimination

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Cancer Immunotherapy Excellence Center,
Faculty of Medicine, Chulalongkorn University
and King Chulalongkorn Memorial Hospital



Assoc. Prof. Yodchanan Wongsawat, Ph.D.

Department of Biomedical Engineering,
Faculty of Engineering, Mahidol University



**Assist. Prof. Saranath Lawpoolsri Niyom,
M.D., Ph.D.**


Department of Tropical Hygiene,
Faculty of Tropical Medicine, Mahidol University






INVITED SPEAKER: JULY 20, 2023

Research challenge in molecular genetic for
precision medicine

 **ROOM 1:** Pantipya Sanguanchua


 14.05 - 14.30


Current and future medical innovations in
precision medicine

 **ROOM 2:** Atirek Na Thalang

 14.05 - 14.30

Research integrity and misconduct

 **ROOM 3:** Vicharn Panich

 14.05 - 14.30



Prof. Manop Pithukpakorn, M.D., Ph.D.

Faculty of Medicine Siriraj Hospital,
Mahidol University



**Assist. Prof. Amornpun Sereemaspun,
M.D., Ph.D.**

Faculty of Medicine,
Chulalongkorn University



Sunaina Singh, Ph.D.

Experienced STEM editor, Editage





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Climate change and maternal, newborn, child and
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 14.30 - 14.55


Preclinical study of TB vaccine development

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 14.30 - 14.55

Noninvasive test in hepatology daily practice

 **ROOM 3:** Vicharn Panich

 14.30 - 14.55



Prof. Quazi Monirul Islam

International Centre for Migration, Health and
Development, Switzerland
Former WHO Director and Country Representative to
Thailand and Namibia



Assist. Prof. Nawamin Pinpathomrat, M.D., Ph.D.

Department of Biomedical Sciences and
Biomedical Engineering,
Faculty of Medicine,
Prince of Songkla University



Assoc. Prof. Pimsiri Sripongpun, M.D.

Department of Internal Medicine,
Faculty of Medicine,
Prince of Songkla University





PSU-BCG HACKATHON

Prince of Songkla University (PSU) has its mission to support our students and staffs to translate knowledge from their laboratories to the industry, which will benefit society and the nation. And one of the goals of this operation is to support innovation derived from Bio-Circular-Green (BCG) economic concept.

The Research and Development Office (RDO) together with Faculty of Medicine then hold a business idea competition on the theme 'PSU-BCG Hackathon', with an aim to support creativity that benefits Thai society

Objectives

1. To support creative business ideas focusing on BCG innovation that offers a societal benefit
2. To build the capacity of young researchers with the potential to engage in higher level of competition
3. To support the translation of BCG innovation into commercialization, industrial use, or community benefit

TEAM

The Two-time
Champion



DekSongPak



ABC GO



CABI-SEA



Sci & Innova



More info.: Sudarat

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✉ sudarat.w@psu.ac.th



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Global Health Forum: Climate and Health Effect

(AHR-iCON 2023)

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Global Health & Medical Sciences:
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📅 20 July 2023

🕒 09.45-10.40 am.

Moderator



Prof. Tippawan Liabsuetrakul
Department of Epidemiology,
Faculty of Medicine, Prince of
Songkla University

Speaker



Dr. Bordin Vongvitayapirom
Team Leader
Senior Manager, Sustainability &
Climate Centre of Excellence
Deloitte Touche Tohmatsu Jaiyos
Advisory Co., Ltd. Bangkok,
Thailand

Join us at the Global Health Forum on Climate and Health Effect, focusing on the profound impact of climate change on global health on the following:

- Explore the nexus between climate and infectious diseases, maternal and perinatal health, and gastrointestinal diseases.
- Learn from leading experts and visionaries as they present innovative solutions to address these pressing challenges.
- Discover how climate variations contribute to the spread of infectious diseases, understand the risks to maternal and perinatal health, and explore strategies to combat gastrointestinal diseases.
- Connect with professionals, collaborate on groundbreaking initiatives, and be part of a global movement driving positive change.

Register now for the Global Health Forum on Climate and Health Effect and help protect and enhance global health in the face of climate challenges.



Panelists

Infectious expert

Prof. Kamolwish Laoprasopwattana
Department of Pediatrics,
Faculty of Medicine,
Prince of Songkla University



MPH expert

Prof. Quazi Monirul islam
Senior Specialist
International Centre for Migration,
Health and Development



GI expert

Asst. Prof. Naichaya Chamroonkul
Department of Internal Medicine,
Faculty of Medicine,
Prince of Songkla University





RESEARCH TO INNOVATION: PSU EXPERIENCE

As innovation can drive the organization with more advantages than others, this time, our speakers will share their ideas and experience on how to turn basic research to innovations based on their routine work and being as an innovator at the same time. Also, with great pleasure, our invited speaker, as a director of Chula Medical Innovation Center, Faculty of Medicine, Chulalongkorn University, will share his experience and relevant facilities which have been driving the organization toward a robust innovation ecosystem.

Panelists



**Assoc. Prof. Surapong Chatpun,
Ph.D.**

Department of Biomedical Sciences
and Biomedical Engineering
Faculty of Medicine, Prince of
Songkla University



**Assoc. Prof. Jakrawadee
Julamanee, M.D., Ph.D.**

Hematology Unit Division of
Internal Medicine
Faculty of Medicine, Prince of
Songkla University



**20th July 2023
03.00 – 04.00 p.m.**

Moderator



**Assoc. Prof. Pittayapon Pitathawatchai,
M.D.**

Vice Dean of Innovation,
Faculty of Medicine,
Prince of Songkla University

Speaker



**Assist. Prof. Amornpun Sereemasapun,
M.D., Ph.D.**

Head of the Nanomedicine Research
Unit and Director of the Chula Medical
Innovation Center