



Joint International Tropical Medicine Meeting



# JITMM VIRTUAL 2021

*“Tropical Medicine  
in the New Now Normal”*

15-17 December 2021

## Program Book



Mahidol University  
*Wisdom of the Land*



กรมควบคุมโรค  
Department of Disease Control

MORU  
Tropical Health Network



## Organizers and Co-Organizers

- ★ Faculty of Tropical Medicine, Mahidol University
- ★ Mahidol University
- ★ Department of Disease Control, Ministry of Public Health (MOPH)
- ★ Mahidol Oxford Tropical Medicine Research Unit (MORU)
- ★ Southeast Asian Ministers of Education Organization (SEAMEO) TROPMED Network

## Sponsors and Contributors

- ★ Thailand Convention and Exhibition Bureau (TCEB)
- ★ QIAGEN
- ★ Thailand Center of Excellence for Life Sciences (TCELS)
- ★ Abbot Rapid Diagnostics
- ★ Bio-Rad Technologies
- ★ Elsevier
- ★ Malaria Consortium
- ★ Walter and Eliza Hall Institute of Medical Research (WEHI)
- ★ 7 Eleven (CP All) at Faculty of Tropical Medicine, Mahidol University
- ★ Meditop
- ★ Cocksec Chemical Industry Co.,Ltd. (Kincho Thailand)



**Mahidol University**  
Faculty of Tropical Medicine



**Mahidol University**



กรมควบคุมโรค  
Department of Disease Control

**MORU**  
Tropical Health Network



**TCELS**  
ศูนย์ความเป็นเลิศด้านชีววิทยาศาสตร์ (องค์การมหาชน)  
Thailand Center of Excellence for Life Sciences  
(Public Organization)



**ELSEVIER**

**malaria consortium**  
disease control, better health



**09.15-09.30hr**

## **Opening Ceremony by Organizers and Co-organizers**

### **Report**

**Assoc. Prof. Weerapong Phumratanaprapin**

*Chair, JITMM Virtual 2021 Organizing Committee*

### **Welcome Address**

**1. Dr. Opart Karnkawinpong**

*Director-General, Department of Disease Control, Thailand Ministry of Public Health*

**2. Prof. Nicholas Day**

*Director, Mahidol-Oxford Tropical Medicine Research Unit (MORU)*

**3. Assoc. Prof. Pratap Singhasivanon**

*Associate Professor, Secretary General/Coordinator of SEAMEO TROPMED Network*

### **Opening Remarks**

**Prof. Banchong Mahaisavariya**

*President, Mahidol University*

Wednesday 15 December 2021

**S02 : SEAMEO TROPED NETWORK'S CONTRIBUTION TO ADDRESSING  
THE CHALLENGES OF COVID-19 PANDEMIC (SPONSORED)**

**09.40-10.40hr**

**Room A**

**Welcome Remarks:**

Assoc. Prof. Pratap Singhasivanon

**Overview of SEAMEO TROPED Malaysia**

Dr. Haji Tahir bin Aris

*Centre Director*

*Director, Institute for Medical Research MOH, Malaysia*

**Opening Remarks of the Session Chairperson**

Dr. Jaime C. Montoya

*Governing Board Member, Philippines Executive Director*

*Philippine Council for Health Research and Development, DOST, Philippines*

**Invited speakers:**

**1. SARS-COV-2: GENOMIC SURVEILLANCE FOR VARIANTS OF THE VIRUS**

Dr. Ravindran Thayan

*Institute for Medical Research, Ministry of Health Malaysia*

**2. UPDATE ON IMMUNITY TOWARDS SARS-CoV-2**

Dr. MASITA ARIP

*Institute for Medical Research (IMR) Malaysia*

**3. CHALLENGES OF COVID-19 VACCINE DEVELOPMENT IN MALAYSIA**

Dr. Rozainanee Mohd Zain

*Institute for Medical Research, National Institute of Health, Setia Alam, Shah Alam, Selangor, Malaysia*

**09.40-10.40hr**

**Room B**

**Chairpersons:**

1. Prof. Arjen Dondorp
2. Prof. Kesinee Chotivanich

**Invited speakers :**

**1. INTRODUCTION: PATHOPHYSIOLOGY OF SEVERE MALARIA**

**Prof. Arjen Dondorp**

*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*

**2. ACUTE KIDNEY INJURY IN MALARIA**

**Dr. Katherine Plewes**

*Mahidol Oxford Tropical Medicine Research Unit*

**3. DEFINING SEVERE MALARIA**

**Dr. James Watson**

*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*

**4. INHIBITORY EFFECTS OF KAE609 AND KAF156 ON CYTOADHERENCE OF  
*PLASMODIUM FALCIPARUM***

**Ms. Srisuda Keayarsa and Prof. Kesinee Chotivanich**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**S04 : TRAVEL MEDICINE DURING COVID-19 ERA: CHALLENGES AND LESSONS LEARNT  
FROM VARIOUS TRAVEL CLINICS**

**09.40-10.40hr**

**Room C**

**Chairperson :**

- I. Assoc. Prof. Watcharapong Piyaphanee

**Invited speakers:**

1. CHALLENGES AND LESSON LEARNT FROM CANADA TROPICAL MEDICINE CLINIC DURING COVID-19 PANDEMIC

**Mr. Dylan Kain**

*Dept. of Medicine, University of Toronto, Toronto, Canada*

2. CHALLENGES AND LESSONS LEARNT FROM NEPAL DURING COVID-19 PANDEMIC: EXPERIENCES OF CIWEC HOSPITAL AND TRAVEL MEDICINE CENTER

**Dr. Rashila Pradhan**

*CIWEC Hospital and Travel Medicine Center*

3. TRAVEL MEDICINE PRACTICES DURING COVID-19 ERA IN THAILAND

**Dr. Wasin Matsee**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**09.40-10.40hr**

**Room D**

**Chairperson :**

- I. Assoc. Prof. Narisara Chantratita

**Invited speakers :**

1. THE ROLE OF FLAGELLIN IN *BURKHOLDERIA PSEUDOMALLEI* INFECTION OF PRIMARY HUMAN LUNG AND BLOOD CELLS  
Assoc. Prof. Eoin West  
*Division of Pulmonary, Critical Care & Sleep Medicine, Department of Medicine, University of Washington, Seattle, WA, US*
2. INTERACTIONS BETWEEN *BURKHOLDERIA PSEUDOMALLEI* GENETIC VARIATIONS AND HOST DIABETIC STATUS MODULATE INFECTION OUTCOMES IN MELIOIDOSIS  
Dr. Claire Chewapreecha  
*Mahidol-Oxford Tropical Medicine Research Unit*
3. ANTIBIOTIC SUSCEPTIBILITY OF CLINICAL *BURKHOLDERIA PSEUDOMALLEI* ISOLATES IN NORTHEAST THAILAND DURING 2015-2018 AND THE GENOMIC CHARACTERIZATION OF  $\beta$ -LACTAM-RESISTANT ISOLATES  
Ms. Shirley Yi Fen Hii  
*Institute for Medical Research, National Institute of Health Malaysia*

**S06 : SUSTAINABLE DEVELOPMENT GOALS: THE CLEAN ENVIRONMENT AND PLANETARY HEALTH APPROACH (SPONSORED BY CEPHA NETWORK)**

**09.40-10.40hr**

**Room E**

**Chairperson :**

- I. Assoc. Prof. Kraichat Tantrakarnapa

**Invited speakers :**

1. **CLEAN ENVIRONMENT AND PLANETARY HEALTH APPROACH (CEPHA) NETWORK INITIATIVES FOR SUSTAINABLE DEVELOPMENT IN ASIA**  
Prof. Shiva Nagendra SM  
*Indian Institute of Technology Madras (IITM)*
2. **HEALTHY ENVIRONMENTS AND LIVES (HEAL)- A NEW AUSTRALIAN INITIATIVE IN HUMAN HEALTH AND ENVIRONMENTAL CHANGE**  
Prof. Sotiris Vardoulakis  
*The Australian National University*
3. **HOUSEHOLD AIR POLLUTION AND SDGs: THE PLIGHT OF RURAL INDIA**  
Dr. Gopika I  
*Indian Institute of Technology Madras (IITM)*



**S07 : SEAMEO TROPED NETWORK'S CONTRIBUTION TO ADDRESSING  
THE CHALLENGES OF COVID-19 PANDEMIC (CONTINUATION) SEAMEO TROPED**

**10.50-11-50hr**

**Room A**

**Overview of SEAMEO TROPED Philippines**

**Dr. Vicente Y. Belizario**  
Centre Director  
Dean, College of Public Health  
UP Manila, Philippines

**Opening Remarks of the Session Chairperson**

**Datuk Dr Hishamshah bin Mohd Ibrahim**  
Deputy Director General of Health (Research and Technical Support)  
MOH, Malaysia

**Invited speakers:**

1. UP COLLEGE OF PUBLIC HEALTH/TROPED PHILIPPINES' COLLABORATION WITH THE COMMISSION ON HIGHER EDUCATION IN RESPONDING TO THE COVID-19 PANDEMIC

**Dr. Paul Michael Hernandez**  
*College of Public Health, University of the Philippines Manila*

2. "PUBLIC HEALTH IN THE TIME OF COVID-19 AND THE NEW NORMAL": A WEBINAR SERIES FOR PUBLIC HEALTH WORKERS

**Asst. Prof. Dr. Jaifred Christian Lopez**  
*College of Public Health, University of the Philippines Manila (TROPED Philippines)*

3. THE EXPERIENCE IN THE CONDUCT OF AN ONLINE LEARNING COURSE IN MANAGING MULTIDRUG-RESISTANT TB (MDRTB) OF CLINICIANS IN THE PHILIPPINES

**Dr. Maria Margarita Lota**  
*Faculty, Department of Medical Microbiology, College of Public Health, University of the Philippines Manila*

**10.50-11-50hr**

**Room B**

**Invited speaker:**

**I. PRE-DEPARTURE COVID-19 SCREENING: IS IT WORTH IT?**

**Ms.Phimphan Pisutsan**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**10.50-11-50hr**

**Room C**

**Chairperson :**

1. Assoc. Prof. Pongrama Ramasoota

**Invited speakers:**

1. COVID-19 VACCINE PRODUCTION FROM PLANT

**Prof. Dr. Waranyoo Phoolcharoen**

*Faculty of Pharmaceutical Sciences, Chulalongkorn University*

2. REGULATION OF GLYCAN STRUCTURES IN HOST CELLS FOR PRODUCTION OF HIGH-QUALITY ANTIBODIES

**Assoc. Prof. Ryo Misaki**

*International Center for Biotechnology, Osaka University*

3. NEUTRALIZING HUMAN MONOCLONAL ANTIBODIES AGAINST DENGUE VIRUS NONSTRUCTURAL PROTEIN I

**Ms. Rochanawan Sootichote**

*Faculty of Tropical Medicine, Mahidol University (Social and Environmental Medicine)*

**S10 : ELIMINATION OF VIRAL HEPATITIS (SPONSORED BY MOPH)**

**10.50-11-50hr**

**Room D**

**Chairperson :**

I. Prof .Pisit Tangkijvanich

**Invited speakers:**

**1. VIRAL HEPATITIS ELIMINATION**

**Assoc.Prof. Kittiyod Poovorawan**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**2. ELIMINATE OF VIRAL HEPATITIS**

**Dr. Anchalee Avihingsanon**

*The HIV Netherlands Australia Thailand Research Collaboration (HIV-NAT), Thai Red Cross AIDS Research Centre*

**S11 : CLIMATE CHANGE AND HUMAN HEALTH IN ASIA: CURRENT IMPACTS, FUTURE RISKS, AND HEALTH BENEFITS OF MITIGATION POLICIES**

**10.50-11-50hr**

**Room E**

**Chairperson :**

1. Assoc. Prof. Kraichat Tantrakarnapa

**Invited speakers:**

1. PROJECTION OF EXCESS MORTALITY DUE TO ENTERIC INFECTIONS

**Prof. Masahiro Hashizume**

*Graduate School of Medicine, The University of Tokyo*

2. WILDFIRE SMOKE EPIDEMIOLOGY: EVIDENCE, GAPS AND CHALLENGES FOR HEALTH PROTECTION

**Prof. Yuming Guo**

*Monash University*

3. CLIMATE CHANGE AND NATIONAL ADAPTATION PLAN: THAILAND PERSPECTIVES

**Assoc. Prof. Kraichat Tantrakarnapa**

*Faculty of Tropical Medicine, Mahidol University (Social and Environmental Medicine)*

**13.10-14.10hr**

**Room A**

**Overview of SEAMEO TROPMED Thailand**

**Assoc. Prof. Weerapong Phumratanaprapin**

*Centre Director*

*Dean, Faculty of Tropical Medicine*

*Mahidol University, Thailand*

**Opening Remarks of the Session Chairperson**

**Prof. Dr. Tjandra Yoga Aditama**

*Governing Board Member, Indonesia*

*Member, Board for Development and Empowerment for Health*

*MOH, Indonesia*

**Invited speakers:**

**1. MANAGEMENT OF COVID-19 IN HOSPITAL SETTING**

**Assist. Prof. Viravarn Luvira**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**2. MANAGEMENT OF COVID-19 IN THE COMMUNITY SETTING: COMMUNITY ISOLATION (CI) AND HOME ISOLATION (HI)**

**Assoc. Prof. Jittima Dhitavat and Dr. Wasin Matsee**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**S13 : P.VIVAX SEROLOGICAL TEST AND TREAT –A NOVEL INTERVENTION TO ACCELERATE  
TOWARDS ELIMINATION (SPONSORED BY WEHI)**

**13.10-14.10hr**

**Room B**

**Chairperson :**

1. Prof. Ivo Mueller

**Invited speakers:**

- 1 USING SEROLOGY TO DIAGNOSE RECENT P.VIVAX INFECTION

**Dr.Rhea Longley**

*Walter and Eliza Hall Institute of Medical Research*

- 2 MATHEMATICAL MODELLING TO PREDICT PvseroTaT IMPACT

**Dr. Michael White**

*Department of Infectious Disease Epidemiology in Imperial College London*

3. VISPA- A GLOBAL ACCESS FRAMEWORK TO COORDINATE PvSeroTaT EFFORTS

**Dr. Leanne Robinson**

*Burnet Institute; PNG Institute of Medical Research; Walter and Eliza Hal Institute*

Wednesday 15 December 2021

**SI4 : MOLECULAR TECHNOLOGY INNOVATIONS FOR THE GLOBAL DISEASES  
IN THE 21<sup>ST</sup> CENTURY**

**13.10-14.10hr**

**Room C**

**Chairpersons:**

1. Dr. Matthew Phanchana
2. Dr. Suangsuda Supasai

**Invited speakers:**

- 1 THE DISCOVERY AND IMPLICATIONS OF DNA PROTECTION AND REJUVENATION EFFECTS OF DNA GAPS

**Prof. Apiwat Mutirangura**

*Faculty of Medicine, Chulalongkorn University*

2. REJUVENATION OF AGING RATS BY MOLECULAR SCISSORS PRODUCING DNA GAPS

**Ms. Sakawdaurn Yasom**

*Graduate School, Chulalongkorn University*

3. BACTERIAL CYTOLOGICAL PROFILING (BCP): A FLUORESCENCE MICROSCOPY-BASED PLATFORM FOR ANTIBIOTIC DISCOVERY

**Dr. Pochit Nonejuie**

*Institute of Molecular Biosciences*



Wednesday 15 December 2021

**S15 : SAMPLE TO INSIGHT SOLUTION WITH CUTTING AGE dPCR TECHNOLOGY  
(SPONSORED BY QIAGEN)**

**13.10-14.10hr**

**Room D**

**Chairperson :**

I Mr. Gerald Lee

**Invited speaker:**

I Going Digital with Pathogen Detection

Mr. Luke Tan

*QIAGEN Singapore Pte Ltd*

**S16 : COMMUNITY EMPOWERMENT FOR VECTOR BORNE DISEASES CONTROL  
(SPONSORED BY MOPH)**

**13.10-14.10hr**

**Room E**

**Chairperson :**

1. Dr. Rawadee Kumlert

**Invited speakers:**

1. Emergency Preparedness under the Thai Communicable Diseases Act 2015/2021 ; Insect Control Unit

**Dr.Chantana Padungtod**

*Division of Vector-borne Diseases, Department of Disease Control*

2. NEXT NORMAL MALARIA SERVICE TO ACHIEVE MALARIA ELIMINATION IN THAILAND

**Dr.Aungkana Saejeng**

*DVBD, DDC Thailand*

3. CHALLENGING TIME FOR AEDES-BORNE DISEASES LEARNING TECHNOLOGIES: THE RISING OPPORTUNITY AMIDST THE COVID-19 CRISIS

**Mr.Saranratch Chanprakhon**

*Department of Disease Control*

**14.20-15.30hr**

**Room A**

**Chairpersons:**

1. Dr. Leigh Jones
2. Assoc. Prof. Wirichada Pan-ngum

**Invited speakers:**

1. **EVALUATING THE SUITABILITY OF GENETIC MARKERS FOR HELMINTH MOLECULAR STUDIES USING BIOINFORMATIC TOOLS**

**Ms. Abigail Hui En Chan**

*Faculty of Tropical Medicine, Mahidol University (Helminthology)*

2. **INVESTIGATING THE SPATIOTEMPORAL DYNAMICS OF P. FALCIPARUM MALARIA TO GUIDE TARGETED INTERVENTION DELIVERY IN EASTERN MYANMAR: A 5-YEAR OBSERVATIONAL STUDY.**

**Ms. Jade Rae**

*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*

3. **BRAIN MATTERS: IMPROVING DIAGNOSIS AND OUTCOMES IN CHILDREN WITH TUBERCULOUS MENINGITIS**

**Dr. Julie Huynh**

*Centre for Tropical Medicine, Oxford University Clinical Research Unit*

4. **DEFINING THE HIDDEN BURDEN OF DISEASE IN RURAL COMMUNITIES IN SOUTH AND SOUTHEAST ASIA: A HOUSEHOLD HEALTH SURVEY**

**Ms. Meiwen Zhang**

*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*

5. **UNDERSTANDING TREATMENT-SEEKING BEHAVIOUR FOR ACUTE FEVERS THROUGH AN ABUI CULTURAL LENS: AN ETHNOGRAPHIC STUDY IN EASTERN INDONESIA**

**Ms. Lenny Ekawati**

*Eijkman-Oxford Clinical Research Unit*

6. **DOG POPULATION SURVEY AMONG HIGH SCHOOL DOG OWNERS - A COMMUNITY-BASED PARTICIPATORY RESEARCH USING MIXED METHODS**

**Mr. Weerakorn Thichumpa**

*Faculty of Tropical Medicine, Mahidol University (Tropical Hygiene)*

14.20-15.30hr

Room B

**Chairperson :**

I. Assoc. Prof. Pornsawan Leungwutiwong

**Invited speakers:**

1. KNOWLEDGE ATTITUDE AND PRACTICE AMONG BORDER FRONTLINE STAFFS TOWARD COVID-19 (DELTA AND NEW VARIANTS)  
Dr. Sirirak Thanasakulprasert  
*MOPH*
2. INFECTION IMPACT OF COVID-19 EPIDEMIC IN HEALTHCARE WORKERS: SEROPREVALENCE REPORT FROM EL SALVADOR, CENTRAL AMERICA  
Dr. Katherine Candray  
*Osaka City University Japan*
3. FIND A CURE FOR THIS VIRUS”: VIEWS OF THE COVID-19 PANDEMIC IN MALAYSIA  
Assoc. Prof. Phaik Kin Cheah  
*Faculty of Arts and Social Science, Universiti Tunku Abdul Rahman*
4. PHARMACOKINETIC AND ELECTROCARDIOGRAPHIC EVALUATION OF CHLOROQUINE AND AZITHROMYCIN IN HEALTHY VOLUNTEERS  
Mr. Palang Chotsiri  
*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*
5. INCIDENCE AND INFLUENCING FACTORS OF PSYCHOLOGICAL PROBLEMS AMONG INTERNATIONAL ARRIVALS DURING QUARANTINE IN THAILAND – PRELIMINARY DATA.  
Dr. Simon Boyd  
*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*
6. COVID-19: FEVER, RASH AND ORGAN FAILURE  
Dr. Hisham Imad  
*Faculty of Tropical Medicine, Mahidol University (Mahidol Vivax Research Unit (MVRU))*

**S19 : MOSQUITO-BORNE ARBOVIRUSES: UNDERSTANDING THE SCALE OF  
THE CHALLENGE (SPONSORED BY MALARIA CONSORTIUM)**

**14.20-15.30hr**

**Room C**

**Chairperson :**

1. Dr. Leo Braack

**Invited speakers:**

- 1 A SENTINEL SYSTEM FOR ACTIVE DETECTION OF MOSQUITO-BORNE ARBOVIRUS PRESENCE IN SOUTH AFRICA

**Prof. Marietjie Venter**

*Department Medical Virology, Centre for Viral Zoonoses, Faculty of Health, University of Pretoria*

2. WHAT DO WE KNOW ABOUT MOSQUITO-BORNE ARBOVIRUS PREVALENCE IN AFRICA, AND HOW CAN WE IMPROVE OUR UNDERSTANDING?

**Dr. Basile Kamgang**

*Centre for Research in Infectious Diseases*

3. NETWORKS FOR RESEARCH AND COMMUNICATION TO SUPPORT IDENTIFICATION OF PRIORITY GLOBAL ISSUES ON ARBOVIRAL DISEASES

**Dr. Florence Fouque**

*TDR/WHO*

4. CAPACITY-BUILDING FOR ARBOVIRUS SURVEILLANCE AND CONTROL

**Dr. Raman Velayudhan**

*World Health Organization*

**S20 : PARASITES, ECOLOGY AND BIODIVERSITY**

**14.20-15.30hr**

**Room D**

**Chairperson :**

- 1 Assoc. Prof. Dorn Watthanakulpanich
2. Prof. Serge Morand

**Invited speakers:**

- 1 **RODENT-BORNE PARASITES AND PATHOGENS AT WILDLIFE-HUMAN INTERFACE IN BANGKOK METROPOLITAN AND URBAN PUBLIC PARKS**

Assist. Prof. Kittipong Chaisiri

*Faculty of Tropical Medicine, Mahidol University (Helminthology)*

2. **INFECTION AND INVASION: ON PARASITES OF INVASIVE ANIMALS**

Assist. Prof. Hsuan-Wien Chen

*Department of Biological Resources, National Chiayi University, Taiwan*

3. **COMMENSAL RODENT HABITAT EXPANSION ENHANCES ARTHROPOD DISEASE VECTOR ON A TROPICAL VOLCANIC ISLAND**

Assoc. Prof. Chi-Chien Kuo

*National Taiwan Normal University*

4. **MOLECULAR DETECTION OF *BARTONELLA HENSELAE*, *B. CLARIDIGIAE*, *B. KOEHLERAE* INFECTED IN SEMI-DOMESTICATED CATS ROAMING IN MONASTERIES OF BANGKOK, THAILAND**

Assist. Prof. Ketsarin Kamyinkird

*Kasetsart University*

**S21 : MODERNIZING OUTREACH FOR HIV PREVENTION SERVICES: USING WEB-BASED AND ONLINE FORUMS TO RECRUIT, ENROLL, AND RETAIN PARTICIPANTS**

**14.20-15.30hr**

**Room E**

**Chairperson :**

1. Dr. Joseph Woodring

**Invited speakers:**

1. RECRUITMENT AND RETENTION OF YOUNG MSM USING SOCIAL MEDIA AND ONLINE PLATFORMS FOR THE COPE STUDY

Dr. Andrew Hickey  
*CDC/TUC*

2. ONLINE PLATFORM AND SOCIAL MEDIA INFLUENCE TO RECRUIT TRANSGENDER POPULATIONS

Ms. Rena Janamnuaysook  
*Institute of HIV Research and Innovation (IHRI)*

3. WEB RECRUITMENT AND SUPPORT SYSTEMS FOR DELIVERY OF HIV SELF-TEST KITS FROM LOCAL PHARMACIES

Ms. Chomnad Manopaiboon  
*Thailand Division of Global HIV and TB program, Centers for Disease Control and Prevention, Atlanta*

Thursday 16 December 2021

**S22 : PLENARY SESSION I: CHALLENGES AND OPPORTUNITIES: COVID R&D  
OF THAILAND DURING THE PANDEMIC**

**09.00-09.30hr**

**Plenary Lecture 1 Room A and B**

**Chairperson :**

I. Prof. Punnee Pitisuttithum

**Invited speakers:**

I. CHALLENGES AND OPPORTUNITIES: COVID R&D OF THAILAND DURING THE PANDEMIC

Prof. Sirirung Songsivilai

*Thailand Center of Excellence for Life Sciences (Public Organization)*



Thursday 16 December 2021

**S23 : UPDATE ON COVID-19 VACCINE R& D IN THAILAND: CHALLENGES  
AND OPPORTUNITIES**

**09.40-10.40hr**

**Room A**

**Chairperson :**

I. Prof. Punnee Pitisuttithum

**Invited speakers:**

**1. mRNA COVID-19 VACCINES**

**Prof. Kiat Ruxrungtham**

*Chula Vaccine Research Center (Chula VRC), Chulalongkorn University*

**2. NDV-HXP-S COVID-19 VACCINES**

**Prof. Punnee Pitisuttithum and Dr. Somchaiya Surichan**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

**09.40-10.40hr**

**Room B**

**Chairperson :**

1. Assoc. Prof. Karunee Kwanbunjan
2. Dr. Pongwit Bualombai

**Invited speakers:**

1. **MALARIA MASS DRUG ADMINISTRATION**  
**Dr.Attapon Cheepsattayakorn**  
*10th Zonal Tuberculosis and Chest Disease Center, Chiang Mai, Thailand/Department of Disease Control, Ministry of Public Health, Thailand/Western University, Pathum Thani/Chiang Mai University, Chiang Mai, Thailand*
2. **THE EFFECTIVENESS OF MASS DRUG ADMINISTRATIONS IN THE GREATER MEKONG SUBREGION: FINDINGS FROM A CLUSTER RANDOMIZED TRIAL**  
**Dr.Thomas Peto**  
*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*
3. **MALARIA MDA IN LOW AND VERY LOW TRANSMISSION SETTINGS IN SOUTHERN AFRICA**  
**Assoc. Prof. Michelle Hsiang**  
*University of California, San Francisco*
4. **FEASIBILITY AND EFFECTIVENESS OF REACTIVE FOCAL MASS DRUG ADMINISTRATION TARGETING MALARIA IN HIGH-RISK POPULATIONS IN THAILAND: PRELIMINARY FINDINGS**  
**Dr.Adam Bennett**  
*University of California, San Francisco & PATH*

**S25 : RECENT ZIKA SITUATION IN THAILAND**

**09.40-10.40hr**

**Room C**

**Chairperson :**

- I. Assoc. Prof. Kriengsak Limkittikul

**Invited speakers:**

1. ZIKA SURVEILLANCE AND INVESTIGATION IN THAILAND

**Dr. Darin Areechokchai**

*Department of Disease Control, Ministry of Public Health, Thailand*

2. SEROPREVALENCE OF ZIKA VIRUS IN PREGNANT WOMEN FROM CENTRAL THAILAND

**Assoc. Prof. Chayawat Phatihattakorn**

*Faculty of Medicine, Siriraj Hospital Mahidol University*

3. ZIKA SEROLOGY TESTING IN THE CONTEXT OF CO-CIRCULATING ARBOVIRUSES - LESSONS FROM LATIN AMERICA

**Prof. Thomas Jaenisch**

*Center for Global Health, Colorado School of Public Health*

**09.40-10.40hr**

**Room D**

**Chairpersons :**

1. Assoc. Prof. Narisara Chantratita
2. Dr. Vanaporn Wuthiekanun

Invited speakers:

1. **DEFINING CORRELATES OF VACCINE-INDUCED IMMUNITY AGAINST INHALATIONAL MELIOIDOSIS**  
Dr. Paul Brett  
*University of Nevada, Reno School of Medicine*
2. **EVALUATION OF *BURKHOLDERIA PSEUDOMALLEI* AHPC AS A NOVEL MELIOIDOSIS VACCINE CANDIDATE**  
Dr. Mary Burtnick  
*University of Nevada, Reno School of Medicine*
3. **EVALUATION OF POINT-OF-CARE TEST AND PCR FOR MELIOIDOSIS IN THAILAND** Ms. Ms. Chawitar Noparatvarakorn  
*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

**09.40-10.40hr**

**Room E**

**Chairperson :**

1. Dr. Panithree Thammawijaya

**Invited speakers:**

1. CURRENT STATUS OF HELMINTHIASES IN THAILAND:A CROSS - SECTIONAL,NATIONWIDE SURVEY; 2019  
Dr.Thitima Wongsaroj  
*MOPH*
2. OVCCA WEB APPLICATION AS SUPPLEMENTARY MATERIAL TO FACILITATE HEALTH LITERACY REGARDING CARCINOGENIC HUMAN LIVER FLUKE:A RANDOMIZED CONTROLLED TRIAL IN THAILAND  
Mrs. Oranard Wattanawong  
Assoc. Prof. Dr.Anan Tongraar  
Assoc. Prof. Schawanya K. Rattanapitoon  
Asst. Prof. Dr. Nathkapach K. Rattanapitoon  
Asst. Prof. Dr. Apiporn T. Suwannatrai  
Thirayu Meererksom  
*MOPH*
3. BEHAVIORAL STUDYING AND COMMUNITY CAPACITY BUILDING FOR HELMINTH DISEASE SOLUTION AT BAN MORKROTA HILLTRIBE COMMUNITY IN OMKOI DISTRICT, CHIANG MAI PROVINCE  
Mrs.Thongroo Kophachon  
*Department of Disease Control*

**10.50-11-50hr**

**Room A**

**Chairperson :**

1. Assoc. Prof. Pattaneeya Prangthips
2. Assist. Prof. Pornrutsami Jintaridh

**Invited speakers:**

1. **FOOD AND NUTRITION RELATED TO COVID-19**  
**Assoc. Prof. Supranee Changbumrung**  
*Faculty of Tropical Medicine, Mahidol University (Tropical Nutrition and Food Science)*
2. **ROLE OF NUTRITION AND SUPPLEMENTS IN COVID-19**  
**Assist. Prof. Daruneewan Warodomwicit**  
*Division of Nutrition and Biochemical Medicine, Faculty of Medicine, Ramathibodi Hospital, Mahidol University*
3. **ENDOCYTIC TRANSPORT IN COVID-19 AND OTHER INFECTIOUS DISEASES** **Assoc. Prof. Amandio Vieira**  
*Biomedical Physiology and Kinesiology (BPK) - Simon Fraser University, Canada*

Thursday 16 December 2021

**S29 : DENGUE AND COVID-19 CO-INFECTION CASES IN NOW NORMAL  
(SPONSORED BY ABBOTT)**

**10.50-11-50hr**

**Room B**

**Chairperson :**

I. Dr. Mohan Ravuru

**Invited speaker:**

I. DENGUE AND COVID-19 CO-INFECTION CASES IN NOW NORMAL

Prof. Somsak Lolekha

*The Royal College Pediatricians of Thailand*

**10.50-11-50hr**

**Room C**

**Chairperson :**

1. Assist.Prof. Ronald Enrique Morales Vargas
2. Dr. Sungsit Sungvornyothin

**Invited speakers:**

1. **ZIKA VIRUS POTENTIAL VECTORS AMONG AEDES MOSQUITOES FROM NORTHERN JAPAN**  
Dr. Leo Uchida  
*Laboratory of Zoonotic Diseases, School of Veterinary Medicine, Rakuno Gakuen University*
2. **ANOPHELES STEPHENSI, THE NEW INVASIVE MALARIA VECTOR; LESSONS FROM SRI LANKA**  
Mrs. Jeevanie Harishchandra  
*Anti Malaria Campaign*
3. **MOSQUITO REPELLENCE INDUCED BY TARSAL CONTACT WITH HYDROPHOBIC LIQUIDS**  
Mr. Hiroyuki Takizawa  
*Kao Consumer Products (Southeast Asia) Co., Ltd.*



**10.50-11-50hr**

**Room D**

**Chairperson :**

Assoc. Prof. Thomas Guadamuz

**Invited speakers:**

1. **INCREASED HIV RISK AS AN OUTCOME OF (UN)MET SEXUAL GOAL SETTING OF MSM AROUND THAI SONGKRAN FESTIVITIES**

**Prof. Kai J. Jonas, PhD**

*Faculty of Psychology and Neuroscience, Maastricht University, The Netherlands*

2. **EVALUATION OF AN INTEGRATED ONLINE HIV SELF-TESTING PROGRAM (JOMTEST) IN MALAYSIA**

**Sin How (Howie) Lim, PhD**

*Faculty of Medicine, University of Malaya, Malaysia*

Thursday 16 December 2021

**S32 : INNOVATION CONCEPT TO SUSTAIN HELMINTHIASIS IN THAILAND  
(SPONSORED BY MOPH): CONTINUATION**

**10.50-11-50hr**

**Room E**

**Chairperson :**

I. Dr.Panithree Thammawijaya

**Invited speakers:**

Same speakers from S27

**S33 : COVID-19 IMMUNOLOGY: THE IMMUNE RESPONSE TO SARS-COV-2  
IN TROPICAL COUNTRIES**

**13.10-14.10hr**

**Room A**

**Chairperson :**

I. Prof. Susanna Dunachie

**Invited speakers:**

1. ANTIBODY AND T CELL RESPONSES TO SARS-COV-2 FOLLOWING COVID-19 IN DHAKA, BANGLADESH: THE IMPACT OF DIABETES MELLITUS

**Dr. Mohammad Ali**

*Centre for Tropical Medicine and Global Health, University of Oxford, UK*

2. IMMUNE RESPONSES TO SARS-COV-2 IN KENYA

**Dr. Francis Ndungu**

*KEMRI Wellcome Trust Research Program*

3. Immunity to SARS-CoV-2 in the Vietnamese population conferred by natural infection and vaccination

**Assoc. Prof. Le Van Tan**

*Centre for Tropical Medicine, Oxford University Clinical Research Unit*

Thursday 16 December 2021

**S34 : SEROEPIDEMIOLOGY OF MALARIA FOR VACCINE ANTIGENS  
AND BIOMARKERS DISCOVERY**

**13.10-14.10hr**

**Room B**

**Chairperson :**

I. Dr. Eizo Takashima

**Invited speakers:**

**1. MALARIA VACCINE ANTIGEN DISCOVERY AND INITIAL CHARACTERIZATION  
LEVERAGING THE WHEAT GERM CELL FREE SYSTEM**

**Assist. Prof. Bernard Kanoi and Dr. Eizo Takashima**

*Division of Malaria Research, Proteo-Science Center, Ehime University, Matsuyama, Ehime Japan*

**2. SEROLOGICAL PROFILING OF *PLASMODIUM VIVAX* EXPOSURE**

**Dr. Sadudee Chotirat**

*Faculty of Tropical Medicine, Mahidol University (Mahidol Vivax Research Unit (MVRU))*

**3. MULTI-OMICS CHARACTERIZATION OF THE MOLECULAR MECHANISMS UNDERLYING  
MALARIA PROTECTION: IMPLICATION FOR VACCINE DISCOVERY**

**Dr. Carla Proietti and Prof. Denise Doolan**

*Australian Institute of Tropical Health and Medicine, James Cook University*

**13.10-14.10hr**

**Room C**

**Chairperson :**

I. Ms. Lusiana Lim

**Invited speakers:**

1. APPLICATIONS AND METHODOLOGIES OF DROPLET DIGITAL PCR (DDPCR) FOR DEVELOPMENT OF VACCINE

Dr. Alfred Chan

*Bio-Rad Laboratories*

2. DROPLET DIGITAL POLYMERASE CHAIN REACTION (DDPCR) FOR THE DETECTION OF *PLASMODIUM KNOWLESII* AND *PLASMODIUM VIVAX*

Prof. Yee Ling Lau

*Universiti Malaya*

3. THE USE OF BIO-PLEX SARS-COV-2 NEUTRALIZATION ANTIBODY ASSAYS TO STUDY VACCINE EFFICACY AND ANTIBODY RESPONSES TO ARISING VARIANTS OF CONCERN.

Ms. Angele Koh

*Bio-Rad Laboratories (S) Pte Ltd*

13.10-14.10hr

Room D

**Chairperson :**

1. Assoc. Prof. Aongart Mahittikorn

**Invited speakers:**

1. PATHOGENIC FREE-LIVING AMOEBA FROM VARIOUS WATER SOURCES IN SOUTHERN THAILAND

Ms.Thitiporn Promnil

*Faculty of Science, Prince of Songkla University*

2. PREVALENCE OF TOXOPLASMOSIS AND ITS ASSOCIATED FACTORS AMONG SLAUGHTERHOUSE WORKERS IN YANGON REGION, MYANMAR

Dr. Nay Hein Sint

*Defence Services Medical Academy, Yangon, Myanmar*

3. SEROLOGICAL DETECTION OF *TOXOPLASMA GONDII* AMONG FREE-GRAZING DUCKS FROM CENTRAL THAILAND

Ms.Thi Thuy Nguyen

*Department of Parasitology, Faculty of Veterinary Medicine, Kasetsart University*

4. MORPHOLOGICAL CHARACTERIZATION AND GENETIC IDENTIFICATION OF CERCARIAE FROM INFECTED SNAILS INTERMEDIATE HOST, GENUS *STENOMELANIA* IN SATUN PROVINCE, THAILAND

Mr. Kitja Apiraksena

*Faculty of science, Silpakorn University*

**13.10-14.10hr**

**Room E**

**Chairpersons:**

1. Assist. Prof. Teera Kusolsuk
2. Mrs. Oranard Wattanawong

**Invited speakers:**

1. SEMI-DOMESTICATED DOGS AS A POTENTIAL SOURCE FOR ZONOTIC SOIL TRANSMITTED HELMINTHS IN BANGKOK, THAILAND

Assist. Prof. Tawin Inpankaew

*Department of Parasitology, Faculty of Veterinary Medicine, Kasetsart University*

2. FISH-BORNE PARASITE: SITUATION AND INTEGRATION

Dr. Choosak Nithikethkul

*Faculty of Medicine, Mahasarakham University*

3. USING OF POLYMERASE CHAIN REACTION-RESTRICTION FRAGMENT LENGTH POLYMORPHISM FOR DETECTING SOIL-TRANSMITTED HELMINTH (GENUS *TRICHOSTRONGYLUS*) IN LIVESTOCK, FARMERS, AND ENVIRONMENT

Assoc. Prof. Sivapong Sungpradit

*Faculty of Veterinary Science, Mahidol University*

**14.20-15.30hr**

**Room A**

**Chairperson :**

1. Prof. Lisa J White
2. Assoc. Prof. Wirichada Pan-ngum

**Invited speakers:**

1. PERCOLATION ACROSS HOUSEHOLDS IN MECHANISTIC MODELS OF NON-PHARMACEUTICAL INTERVENTIONS IN SARS-COV-2 DISEASE DYNAMICS

**Ms. Caroline Franco**

*Institute of Theoretical Physics, Sao Paulo State University*

2. MODELLING OF HEALTH IT INVOLVED STRATEGIES IN CROSS BORDER CONTROLLING OF COVID-19

**Mr. Vidhyakorn Mahd-Adam**

*Faculty of Tropical Medicine, Mahidol University (Tropical Hygiene)*

3. BANGLADESH- COVID-19: CONTEXT, ENGAGEMENT AND MODELLING, MILESTONES

**Assoc. Prof. Mofakhar Hussain**

*University of Toronto*



**14.20-15.30hr**

**Room B**

**Chairperson :**

1. Prof. John H Adams
2. Prof. Kesinee Chotivanich

**Invited speakers:**

1. AN OVERVIEW OF PATHOPHYSIOLOGY OF MALARIA THE EFFECTS OF TEMPERATURE ON *PLASMODIUM FALCIPARUM* DEVELOPMENT  
Ms.Yutatirat Singhaboot  
*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*
2. ARTEMISININ RESISTANCE HIJACKS THE *PLASMODIUM FALCIPARUM* HEAT SHOCK RESPONSE  
Prof. John H Adams  
*University of South Florida*
3. TRANSCRIPTIONAL REGULATION OF THE *PLASMODIUM FALCIPARUM* PROTECTIVE HEAT-SHOCK RESPONSE  
Prof. Alfred Cortes  
*ISGlobal*

**14.20-15.30hr**

**Room C**

**Chairperson :**

I. Assist. Prof. Supachai Topanurak

**Invited speakers:**

**1. EPIGENETIC CONTROL OF PRIMARY EFFUSION LYMPHOMA**

**Prof. Seiji Okada**

*Joint Research Center for Human Retrovirus Infection, Kumamoto University*

**2. ANTIBODY IMMUNOTHERAPY FOR VIRUS-RELATED LYMPHOMA**

**Dr. Jutatip Panaampon**

*Division of Hematopoiesis, Joint Research Center for Human Retroviral Infection, Kumamoto University, Japan*

**14.20-15.30hr**

**Room D**

**Chairperson :**

1. Assoc. Prof. Narisara Chantratita
2. Dr. Vanaporn Wuthiekanun

**Invited speakers:**

1. **HUMAN LEUKOCYTE ANTIGEN (HLA) AND SUSCEPTIBILITY TO VIRAL AND BACTERIAL INFECTIONS**

**Dr. Sadeep Medhasi**

*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

2. **ALTERED T CELL IMMUNOMETABOLISM IN DIABETES-IMPACT ON SUSCEPTIBILITY AND IMMUNE RESPONSE TO MELIOIDOSIS**

**Dr. Barbara Kronsteiner-Dobramysl**

*Oxford Center for Global Health Research, NDM, University of Oxford*

3. **INCREASED KNOWLEDGE AND AWARENESS OF MELIOIDOSIS IN THAILAND: A COMMUNITY-BASED PARTICIPATORY ACTION ANALYSIS**

**Ms. Rungnapa Phunpang**

*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

**14.20-15.30hr**

**Room E**

**Chairperson :**

I. Assoc. Prof. Kraichat Tantrakarnapa

**Invited speakers:**

1. **CAPACITY BUILDING FOR ENVIRONMENTAL RISK MANAGEMENT AMONG VILLAGE HEALTH VOLUNTEERS IN SURIN PROVINCE, THAILAND: STEP TOWARDS ACHIEVING THE SUSTAINABLE DEVELOPMENT GOALS**

**Assoc. Prof. Orawan Kaewboonchoo**

*Faculty of Public Health, Mahidol University*

2. **AN EMERGING LINK BETWEEN PHTHALATES EXPOSURE AND CYTOKINE ALTERATION TO DEVELOP TYPE 2 DIABETES**

**Assoc. Prof. Karunee Kwanbunjan**

*Faculty of Tropical Medicine, Mahidol University (Tropical Nutrition and Food Science)*

3. **STRENGTHENING COMMUNITY CAPACITIES FOR ENVIRONMENTAL HEALTH MANAGEMENT IN THAILAND**

**Assist. Prof. Plernpit Boonyamalik**

*Faculty of Public Health, Mahidol University*

Thursday 16 December 2021

**S43: PLENARY LECTURE 2: MELIOIDOSIS – NEGLECTED FOR FAR TOO LONG**

**Room C and Room D**

**09.00-09.30hr**

**Plenary Lecture 2 Room C and D**

**Chairperson :**

I. Dr. Claire Chewapreecha

**Invited speakers:**

I. MELIOIDOSIS - THE BEGINNINGS

**Prof. David Dance**

*University of Oxford/London School of Hygiene and Tropical Medicine*

**09.40-10.40hr**

**Room A**

**Chairperson :**

I. Mr. Amnat Khamsiriwatchara

**Invited speakers:**

**1. INCREASE EFFICIENCY OF DATA MANAGEMENT PROCESS THROUGH AUTOMATED REPORTS**

**Assoc.Prof. Saranath Lawpoolsri Niyom**

*Faculty of Tropical Medicine, Mahidol University (Tropical Hygiene)*

**2. ECONSENT FOR CLINICAL TRIALS DURING COVID**

**Mr. Darryl Pahl**

*DF/Net Research, Inc.*

**3. USING MOBILE APPS TO INCREASE SUBJECT ENGAGEMENT**

**Ms. Lisa Ondrejcek**

*DF/Net Research, Inc.*

**09.40-10.40hr**

**Room B**

**Chairperson :**

1. Dr. Suparat Phuanukoonnon

**Invited speakers:**

1. THE ACCEPTABILITY OF TARGETED MASS TREATMENT WITH PRIMAQUINE FOR LOCAL ELIMINATION OF VIVAX MALARIA IN BANMAUK TOWNSHIP OF SAGAING REGION, MYANMAR: A MIXED-METHODS STUDY  
Dr. Pyae Linn Aung  
*Myanmar Health Network Organization*
2. COMMUNITY ACCEPTABILITY OF MASS DRUG ADMINISTRATION WITH PRIMAQUINE FOR *PLASMODIUM VIVAX* ELIMINATION IN SOUTHERN THAILAND: A MIXED METHODS APPROACH  
Dr. Sayambhu Saita  
*Faculty of Public Health, Thammasat University, Lampang, Thailand*
3. SURVEY OF KNOWLEDGE, ATTITUDES, AND PRACTICES REGARDING MALARIA IN AN INFORMAL GOLD-MINING SETTLEMENT IN THE MALARIA-ENDEMIC GAMBELLA REGION OF ETHIOPIA  
Ms. Natasha Glendening  
*University of California Irvine*

**09.40-10.40hr**

**Room C**

**Chairperson :**

1. Dr. Kelwalin Dhanasarnsombut

**Invited speakers:**

1. John McConnell  
*Editor-in-Chief, The Lancet Infectious Diseases*
2. Ylann Schem  
*Director of the Elsevier Foundation and Corporate Responsibility at Elsevier*
-



09.40-10.40hr

Room D

**Chairperson :**

1. Assist. Prof. Muthita Vanaporn
2. Assoc. Prof. Nathamon Kosoltanapiwat

**Invited speakers:**

1. IMPACT OF EARLY DETECTION MULTI-DRUG RESISTANT TUBERCULOSIS ON TIME TO SPUTUM CONVERSION

Mrs. Samorn Numpong

*Faculty of Tropical Medicine, Mahidol University (Tropical Hygiene)*

2. AN EFFICIENT AND RAPID MICROINJECTION METHOD TO GENERATE ORIENTIA TSUTSUGAMUSHI INFECTED LEPTOTROMBIDIUM MITES.

Dr. Piyada Linsuwanon

*Armed Forces Research Institute of Medical Sciences*

3. DISTRIBUTION OF *LEPTOSPIRA* SPP. IN THE LOW INCIDENCE CASE AREAS: MILITARY HUMANITARIAN MISSIONS

Dr. Panadda Krairojananan

*USAMD-AFRIMS*

4. PRODUCTION AND EVALUATION OF *RICKETTSIA TYPHI* RECOMBINANT 17-KDA PROTEIN FOR SERODIAGNOSIS OF MURINE TYPHUS

Mrs. Sabreen Ahad

*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

**S48 : EXPERIENCE AND SUCCESS OF PREVENTION AND CONTROL OF COVID-19  
OUTBREAK IN PRISONS  
(SPONSORED BY MOPH)**

**09.40-10.40hr**

**Room E**

**Chairperson :**

1. Dr.Preecha Preampree

**Invited speakers:**

1. DISEASES PREVENTION AND CONTROL REGARDING “THE ROYAL GOOD HEALTH GOOD HEART PROJECT” AND PRISON MANAGEMENT AMIDST THE COVID-19 CRISIS IN THAILAND.

**Dr. Subin Chewprecha and Dr. Pahurat Kongmuang Taisuwan**

*Bureau of the Royal Household; Secretariat Office of the Royal Development Projects Committee,  
Department of Disease Control, Ministry of Public Health*

2. COVID-19 OUTBREAK CONTROL AND THE NOW NORMAL IN PRISON SETTINGS

**Prof. Wisit Wisitsora-at**

*Ministry of Justice*

3. FUTURE PREPAREDNESS AND RESPONSE TO COVID-19 OUTBREAK IN PRISONS

**Dr. Anupong Sujariyakul**

*Department of Disease Control*

**10.50-11-50hr**

**Room A**

**Chairperson :**

1. Dr.Chaninan Chaninan

**Invited speakers:**

1. OVERVIEW OF THAILAND COVID-19 VACCINATION ROLL-OUT

Dr. Chaninan Sonthichai

*Department of Disease Control, Ministry of Public Health*

2. IMPLEMENTATION OF COVID-19 VACCINATION

Mrs. Piyada Angsuwatcharakon

*Department of Disease Control, Ministry of Public Health*

3. MONITORING OF COVID-19 VACCINATION COVERAGE

Mr. Padejsak Chobtum

*Department of Disease Control, Ministry of Public Health*

**10.50-11-50hr**

**Room B**

**Chairperson :**

- I. Dr. Stefan Fernandez

**Invited speakers:**

1. RESURGENCE OF CHIKUNGUNYA IN THE KINGDOM OF CAMBODIA: FEBRILE AND ENTOMOLOGICAL SURVEILLANCE

Ms. Daliya Nop  
*Vysnova Parner*

2. EVIDENCE OF POSSIBLE LONG-TERM ENDEMICITY OF CHIKUNGUNYA TRANSMISSION IN SOUTHERN THAILAND

Dr. Kathryn Anderson  
*AFRIMS*

3. SAFETY AND LONG-TERM IMMUNOGENICITY OF A CHIKUNGUNYA VIRUS-LIKE PARTICLE (CHIKV VLP) VACCINE

Ms. Sarah Royalty Tredo  
*Emergent Biosolutions*

Friday 17 December 2021

**S51 : THE OECD GLP PRECLINICAL TOXICITY TESTING ON VARIOUS BIOLOGICAL SYSTEMS IN THAILAND (SPONSORED BY TCELS)**

**10.50-11-50hr**

**Room C**

**Chairperson :**

1. Dr.Amon Praduptong

**Invited speakers:**

1. **CYTOTOXICITY OF HERBAL EXTRACTS WITH OECD GLP COMPLIANCE**

**Assist. Prof. Sarawut Jindarat**  
*Phramongkutklao College of Medicine*

2. **BIOCOMPATIBILITY AND TOXICITY TESTING OF PRODUCTS**

**Dr. Sareeya Reungpatthanaphong**  
*Biodiversity Research Centre, TISTR*

10.50-11-50hr

Room D

**Chairperson :**

1. Assoc. Prof. Wang Nguitragool
2. Dr.Wanlapa Roobsoong

**Invited speakers:**

1. HETEROGENEITY OF MULTIPLEX ANTIMALARIAL ANTIBODY RESPONSES CONFIRM STATUS OF HISTORICAL AND RECENT MALARIA TRANSMISSION IN ENDEMIC AREAS IN THE PHILIPPINES

Ms. Maria Lourdes Macalinao

*London School of Hygiene and Tropical Medicine | Nagasaki University*

2. A MULTI-COUNTRY EVALUATION OF A POINT-OF-CARE DIAGNOSTIC TO IDENTIFY GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY.

Ms. Pooja Bansil

*PATH*

3. THE ROLE OF ANTI-MALARIAL IMMUNITY IN THE SPONTANEOUS CLEARANCE OF MOLECULAR-DETECTABLE *PLASMODIUM* SPP. INFECTION

Ms. Merryn Roe

*Burnet Institute*

4. OPENING THE POLICY BLACKBOX: UNRAVELLING THE PROCESS FOR CHANGING NATIONAL DIAGNOSTIC AND TREATMENT GUIDELINES FOR VIVAX MALARIA IN SEVEN COUNTRIES

Ms.Varunika Ruwanpura

*Menzies School of Health Research, Charles Darwin University*

5. USING *ANOPHELES* SALIVARY ANTIBODY BIOMARKERS TO ASSESS THE EFFECTIVENESS OF PERSONAL INSECT REPELLENT IN SOUTHEAST MYANMAR

Ms. Ellen Kearney

*Burnet Institute*

6. EFFECT OF ARTEMISININ RESISTANCE ON THE TRANSMISSION BLOCKING ACTIVITY OF PRIMAQUINE

Dr.Andrea Ruecker

*Faculty of Tropical Medicine, Mahidol University (Mahidol-Oxford Tropical Research Unit)*

7. LESSONS LEARNED FROM THE HISTORY OF THE MALARIA ELIMINATION IN YAEYAMA, OKINAWA, JAPAN-IN ORDER TO OVERCOME THE ERA OF INFECTIOUS DISEASES

Assist. Prof. Mika SAITO

*Graduate School of Medicine, University of the Ryukyus*

8. PHARMACOKINETIC AND PHARMACODYNAMIC INTERACTIONS OF THE TRIPLE COMBINATION OF DIHYDROARTEMISININ-PIPERAQUINE AND MEFLOROQUINE IN HEALTHY THAI VOLUNTEERS

**Dr. Kanoktip Puttaraksa**

*Mahidol-Oxford Tropical Medicine Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand*

9. PHENOTYPIC AND GENOTYPIC ANALYSIS OF DIHYDROARTEMISININ-RESISTANT MALARIA PARASITE *PLASMODIUM FALCIPARUM*

**Dr. Xiaoying Liang**

*University of South Florida*

Friday 17 December 2021

ร53 : การป้องกันควบคุมโรคโควิด - 19 ในบุคลากรทางการแพทย์หรือโรงพยาบาล  
[THAI LANGUAGE] (SPONSORED BY MOPH)

10.50-11-50hr

Room E

**Chairperson :**

Dr.Weerawat Manosuti

**Invited speakers:**

**1. EVIDENCE ON SARS-COV-2 TRANSMISION AND PHYSICAL DISTANCING**

Dr.Jurai Wongsawat

*Bamrasnaradura Infectious Diseases Institute, Department of Disease Control*

**2. OPTIMIZED CLINICAL MANAGEMENT TO REDUCE COVID-19 OUTBREAK**

Dr.Weerawat Manosuthi

*Department of Disease Control*

**3. OPTIMAL COMPLIANCE WITH APPROPRIATE USE OF PPE TO REDUCE HAI**

Mr.Visal Moolasart

*Department of Pediatrics, Bamrasnaradura Infectious Disease Institute MOPH Thailand*



13.10-14.10hr

Room A

**Chairperson :**

1. Assist. Prof.Dumrongkiet Arthan
2. Assoc. Prof.Narisara Chantratita

**Invited speakers:**

**1. NATURAL HISTORY OF SARS-COV-2 VARIANTS**

**Prof.Wasun Chantratita**

*Medical Genomic Center, Faculty of Medicine, Ramathibodi Hospital*

**2. Immunity to SARS-CoV-2 from Past Infection and Vaccines in UK Healthcare workers**

**Assoc. Prof.Susanna Dunachie**

*Peter Medawar Building for Tropical research, Nuffield Dept of Medicine, University of Oxford, UK*

**3. CLASSES AND SUBCLASSES OF ANTIBODY RESPONSES TO SAR-COV-2 VARIANTS THROUGH NATURAL INFECTION AND IN RESPONSE TO VACCINES IN THAILAND**

**Dr. Prapassorn Poolchanuan**

*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

Friday 17 December 2021

**S55 : TOOLS TO ELIMINATE FOREST-ACQUIRED MALARIA IN SOUTHEAST ASIA  
(SPONSORED BY MORU)**

**13.10-14.10hr**

**Room B**

**Chairperson :**

1. Dr. Siv Sovannaroeth

**Invited speakers:**

1. **AN OPEN-LABEL INDIVIDUALLY RANDOMISED CONTROLLED TRIAL OF ARTEMETHER-LUMEFANTRINE ANTIMALARIAL PROPHYLAXIS VERSUS MULTIVITAMINS AMONG FOREST GOERS IN SOUTHEAST ASIA**

**Dr. Rupam Tripura**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

2. **SCREEN AND TREAT STRATEGIES BY FOREST MALARIA WORKERS: RESULTS FROM A LARGE FIELD TRIAL**

**Dr. Patrice Piola**

*No Affiliation now, the presented study was performed while at Institut Pasteur du Cambodge*

3. **IMPORTANCE OF ADAPTIVE AND RESPONSIVE APPROACH TO DELIVER QUALITY MALARIA SERVICES TO DYNAMIC AT-RISK POPULATION IN CAMBODIA**

**Mr. Lieven Vernaeve**

*Malaria Consortium*

**13.10-14.10hr**

**Room C**

**Chairperson :**

1. Assist. Prof. Prakaykaew Charunwatthana
2. Assist. Prof. Wirongrong Chierakul

**Invited speakers:**

1. **DOCTOR WHO GOT COVID-19**  
Dr. Nestor, Jr Arce  
*College of Medicine- Jose Maria College Foundation, Inc*
2. **Alveolar echinococcosis in Swiss Tropical Institute**  
Dr. Andreas Neumayr  
*Swiss Tropical and Public Health Institute, Basel, Switzerland*
3. **Exciting job with MSF**  
Dr. Lenin Daniel Martinez Aguilar  
*Médecins Sans Frontières*
4. **From Rickettsia to COVID-19 expert**  
Dr. Muhamad Yazli Bin Yuhana  
*Ampang putri KPJ specialist hospital, Kuala Lumpur*

**13.10-14.10hr**

**Room D**

**Chairperson :**

I Assoc. Prof. Pornthep Chanthavanich

**Invited speakers:**

1. **HOW CAN AN INTERNATIONAL SOCIETY FACILITATE PROFESSIONAL EDUCATION AND TRAINING: PERSPECTIVES FROM THE INTERNATIONAL SOCIETY OF TRAVEL MEDICINE (ISTM)**

**Prof. Gerard Flaherty**

*National University of Ireland Galway*

2. **ONLINE TROPICAL MEDICINE EDUCATION: CHALLENGES AND OPPORTUNITIES**

**Assoc. Prof. Brett Hendel-Paterson**

*Global Medicine Pathway, Division of General Internal Medicine, Department of Medicine, Medical School, University of Minnesota, USA*

3. **TROPICAL AND TRAVEL MEDICINE EDUCATION IN THE TROPICS**

**Assoc. Prof. Watcharapong Piyaphanee and Dr. Phimphan Pisutsan**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

Friday 17 December 2021

**S58 : "Leaving no one behind" Lessons from COVID-19 response in Bangkok [Thai language]  
(Sponsored by MOPH)**

**13.10-14.10hr**

**Room E**

**Chairperson :**

Dr.Vichan Pawun

**Invited speakers:**

**1. DIVERSITY IN COVID RESPONSE, BKK EXPERIENCE**

Dr.Vichan Pawun

*Department of Disease Control, Ministry of Public Health*

**2. COVID AND MARGINALIZED URBAN COMMUNITIES**

Mr.Surasak Thanaisawanyangkoon

*World Health Organization, Thailand*

Friday 17 December 2021

**S59 : CLOSING KEYNOTE ADDRESS BY PROF. BANCHONG MAHAISAVARIYA,  
PRESIDENT OF MAHIDOL UNIVERSITY**

**14.20-15.00hr**

## **Closing Ceremony**

### **Chairperson :**

I. Assoc. Prof. Weerapong Phumratanaprapin

### **Invited speakers:**

#### **I. MAHIDOL UNIVERSITY'S CONTRIBUTIONS TO SUSTAINABLE DEVELOPMENT GOALS**

**Prof. Banchong Mahaisavariya**  
*Mahidol University*

Wednesday 15 December 2021

**S60 : 26TH CHAMLONG-TRANAKCHIT HARINASUTA LECTURE BY SIR JEREMY FARRAR,  
DIRECTOR OF WELLCOME TRUST**

**15.30-16.00hr**

## **Opening Keynote Address**

### **Chairperson :**

- I. Prof. Jetsumon Prachumsri

### **Invited speakers:**

- I. SCIENCE, INNOVATION AND SOCIETY IN THE 21ST CENTURY

**Prof. Jeremy Farrar**

*Director, The Wellcome Trust*

09.00-09.30hr

Room A

**Chairperson :**

1. Assist. Prof. Chawarat Rotejanaprasert

**Invited speakers:**

1. EPIDEMIOLOGY OF INTESTINAL PROTOZOAN INFECTION IN DOCTORS ATTENDING RESIDENCY TRAINING IN SAIFUL ANWAR GENERAL HOSPITAL IN MALANG, INDONESIA

Dr. Aulia Rahmi Pawestri

*Faculty of Medicine Universitas Brawijaya*

2. Estimates of people infected with soil-transmitted-helminthiasis and drug requirements for preventive chemotherapy in Ogun, Nigeria

Dr. Mogaji Hammed

*Federal University Oye-Ekiti*

3. IMPORTANCE OF MEASURING ENTOMOLOGICAL ENDPOINTS BEYOND HUMAN LANDING RATES WHEN EVALUATING PYRETHROID BASED MOSQUITO BITE PREVENTION INTERVENTIONS

Mrs. Élodie Vajda

*University of California San Francisco, Malaria Elimination Initiative*

4. LABORATORY STUDIES OF OVIPOSITION SITE CHOICE OF TOXORHYNCHITES SPLENDENS: ROLE OF CONSPECIFIC LARVAE AND PREDATOR-PREY INTERACTIONS

Dr. Siriporn Phasomkusolsil

*USAMD-AFRIMS*



# JITMM2021

Friday 17 December 2021

**S62 : NO SESSION**

**09.00-09.30hr**

**Room B**

09.00-09.30hr

Room C

**Chairperson :**

1. Dr. Hisham Imad

**Invited speakers:**

1. DETERMINATION OF THE DIAGNOSTIC POTENTIAL OF AN ELISA ZIKA/DENGUE SEROLOGICAL PARAMETER IN DISTINGUISHING ZIKA VERSUS DENGUE INFECTION

**Ms. Micaella Dato**

*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*

2. IDENTIFICATION OF GENETIC REGIONS AFFECTING PROLIFERATION AND INFECTIVITY OF DENGUE VIRUS TYPE 2

**Mr. Yoshihiro Samune**

*Osaka university*

3. LIVER INVOLVEMENT IN ADULT PATIENTS WITH CHIKUNGUNYA AT THE HOSPITAL FOR TROPICAL DISEASES AND BAMRASNARADURA INFECTIOUS DISEASES INSTITUTE, THAILAND

**Dr. Punyavee Srikin**

*Bamrasnaradura Infectious Disease Institute*

4. GENETIC DIVERSITY OF DENGUE VIRUS IN CLINICAL SPECIMENS FROM BANGKOK, THAILAND, DURING 2018-2020: CO-CIRCULATION OF ALL FOUR SEROTYPES WITH MULTIPLE GENOTYPES AND/OR CLADES

**Ms. Kanaporn Poltep**

*Faculty of Tropical Medicine, Mahidol University (Microbiology and Immunology)*

# JITMM2021

Friday 17 December 2021

**S64 : NO SESSION**

**09.00-09.30hr**

**Room D**

09.00-09.30hr

Room E

**Chairperson :**

1. Dr. Suparat Phuanukoonnon

**Invited speakers:**

1. PEOPLE'S PERCEPTIONS TOWARDS SCABIES BASED ON THEIR AGE, GENDER, AND EDUCATIONAL BACKGROUND

Dr.Yulia Dwi Setia

*Department of Parasitology Brawijaya University*

2. RISK STATUS FOR SPREAD OF EXTENDED SPECTRUM  $\beta$ -LACTAMASE PRODUCING ENTEROBACTERIACEAE THROUGH MARKETPLACES AROUND HOSPITAL AREAS OF KATHMANDU

Ms. Jenny Shah

*Tribhuvan University*

3. IMMINENT DANGERS OF COMMUNITY-LEVEL SPREAD OF EXTENDED SPECTRUM  $\beta$ -LACTAMASE PRODUCERS THROUGH FRESH PRODUCE SOLD IN MAJOR MARKETS OF KATHMANDU

Mr.Ashish Bhusal

*National College, Nepal*

4. A SHINY WEB-APPLICATION FOR POPULATION PHARMACOMETRIC SIMULATIONS

Mr. Prasert Yodsawat

*Mahidol Oxford Tropical Medicine Research Unit (MORU)*

12.00-13.00hr

## E-poster

### Invited speakers:

1. TARGET-SITE MUTATION OF RDL GENE AND INSECTICIDE SUSCEPTIBILITY IN FIPRONIL- AND PYRETHROID-RESISTANT *Aedes aegypti* MOSQUITOES FROM NAKHON PATHOM AND KANCHANABURI PROVINCES  
Dr. Jakkrawarn Chompoosri  
*National Institute of Health, Department of Medical Sciences*
2. PREGNANCY OUTCOMES AND INFANTS BORN TO ZIKA INFECTED WOMEN, THAILAND, 2016–2020  
Ms. Nattiporn Thepwilai  
*Division of Vector Borne Diseases, Department of Disease Control*
3. A DEVELOPMENT HEALTH LITERACY OF ZIKA SCALE FOR THE REPRODUCTIVE AGE WOMEN IN UPPER CENTRAL REGION THAILAND  
Dr. Samran Siriphakhamongkhon  
*OPDC. 3 Nakhon Sawan CDC, Thailand*
4. NOVEL MULTILOCUS SEQUENCE TYPES OF CARBAPENEM RESISTANT *PSEUDOMONAS AERUGINOSA* STRAINS FROM A MALAYSIAN TERTIARY HOSPITAL  
Ms. Kalaivani Kalai Chelvam  
*Department of Medical Microbiology, Faculty of Medicine, University Malaya*
5. GAINS IN LIFE EXPECTANCY DUE TO ELIMINATING CAUSE OF DEATH; TUBERCULOSIS DISEASE IN THAI PEOPLE  
Dr. Sawanya Siriphakhamongkhon  
*Office of Disease Prevention and Control 3, Department of Diseases Control, Ministry of Public Health*
6. THE STUDY OF DEMOGRAPHIC CHARACTERISTICS IN TRAVELERS FROM ABROAD DURING CORONA VIRUS DISEASE 2019, THAILAND  
Mr. Kittipat Worachet  
*Division of International Disease Control Ports and Quarantine*
7. EPIDEMIOLOGICAL STUDY ON CORONAVIRUS DISEASE 2019 (COVID-19) CASES IN THE STATE QUARANTINE SITES  
Mr. Thawabhorn Jannok  
*Department Of Disease Control*

8. **THE PROTEOMIC ANALYSIS OF EXTRACELLULAR VESICLES DERIVED FROM *PLASMODIUM FALCIPARUM*-INFECTED RED BLOOD CELLS DURING GROWTH DEVELOPMENT**  
 Assist. Prof. Ladawan Khowawisetsut  
 Faculty of Medicine Siriraj Hospital, Mahidol University
9. **MOLECULAR SURVEILLANCE OF KELCH13 (pfk13) AND PLASMEPSIN-2 (pfp2) GENES IN *PLASMODIUM FALCIPARUM* ISOLATES IN MALAKA DISTRICT, WEST TIMOR, INDONESIA**  
 Ms. Ayleen Kosasih  
 University of Indonesia
10. **SENSITIVITY AND SPECIFICITY OF LAMP TESTS FOR MALARIA DIAGNOSIS USING DRIED-BLOOD SAMPLES OF SUSPECTED MALARIA PATIENTS IN LAO PDR**  
 Dr. Moritoshi Iwagami  
 National Center for Global Health and Medicine (NCGM)
11. **DENSITY DETECTION OF *PLASMODIUM FALCIPARUM* GAMETOCYTES IN SAMPLES FROM THAI MALARIA PATIENTS USING A QUANTITATIVE REAL TIME RT-PCR ASSAY** Ms. Sasikanya Thaloengsok  
 AFRIMS
12. **HEALTH WORKER SKILLS AND ATTITUDES ON POINT-OF-CARE TESTING FOR GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY FOR MALARIA CASE MANAGEMENT IN LAOS AND VIETNAM**  
 Ms. Huyen Nguyen  
 PATH
13. **IMPLEMENTATION OF THAILAND'S SUBNATIONAL VERIFICATION PROGRAM**  
 Ms. PRAPARAT PROMEIANG  
 Bureau of Vector - borne Diseases, Department of Disease Control, Ministry of Public Health
14. **THAILAND'S HOUSEHOLD MALARIA SURVEY 2020**  
 Ms. Jerdsuda Kanjanasuwan  
 Division of Vector Borne Diseases
15. **ENTOMOLOGICAL INOCULATION RATE (EIR) VALUE OF MALARIA TRANSMISSION IN MAMUJU DISTRICT (SULAWESI) AND SINTANG DISTRICT (KALIMANTAN), INDONESIA**  
 Ms. Rizqiani Amalia Kusumasari  
 Universitas Gadjah Mada
16. **MOLECULAR EPIDEMIOLOGY OF *GIARDIA* IN BLACK GOATS, PIGS AND CATTLES IN HAINAN, CHINA**  
 Ms. Yuan Wang  
 Department of Pathogenic Biology, Hainan Medical University, Haikou, Hainan, China
17. **MOLECULAR DETECTION AND GENOTYPING OF *ENTEROCYTOZOON BIENEUSI* IN HUMANS FROM HAINAN PROVINCE OF CHINA: HIGH DIVERSITY AND UNIQUE ENDEMIC GENETIC CHARACTERISTICS,**  
 Mr. Guangxu Ren  
 Department of Pathogenic Biology, Hainan Medical University, Haikou, Hainan, China

**18. SEROLOGICAL INVESTIGATION OF *TOXOPLASMA GONDII* AND *ANGIOSTRONGYLUS CANTONENSIS* IN A LI VILLAGE IN HAINAN, CHINA**

**Dr. Tingting Li**

*Department of Pathogen Biology, Hainan Medical University, Haikou, Hainan, PR China*

**19. GENETIC CHARACTERIZATIONS OF *CRYPTOSPORIDIUM* SPP. IN WILD RATS, FARMED BAMBOO RATS AND ASIATIC BRUSH-TAILED PORCUPINE FROM HAINAN, CHINA. Ms.**

**Jiaqi Li**

*Department of Pathogenic Biology, Hainan Medical University, Haikou, Hainan, China*

**20. GENETIC CHARACTERISTICS AND PUBLIC HEALTH RISKS OF *CROPTOSPORIDIUM* SPP. FROM PIGS AND BLACK GOATS IN HAINAN, CHINA**

**Mrs. Yu Qiang**

*Department of Pathogenic Biology, Hainan Medical University, Haikou, Hainan, China*

**21. FIRST CASE OF BALAMUTHIA MANDRILLARIS ENCEPHALITIS DIAGNOSED BY NEXT-GENERATION SEQUENCING AND PCR IN HAINAN, CHINA**

**Prof. Gang Lu**

*Hainan Medical University*

**22. INVESTIGATING THE PREVALENCE OF TRYPANOSOME INFECTION IN CATTLE IN NORTHERN UGANDA**

**Mr. Ross Watson**

*The University of Edinburgh*

**23. CURRENT IINSECTICIDE SUSCEPTIBILITY STATUS *ANOPHELES* AND *AEDES* MOSQUITOES IN MALARIA AND DENGUE ENDEMIC AREAS, THAI-MYANMAR BORDER**

**Mr. Kanchon Pusawang**

*Department of Parasitology, Faculty of Medecine, Chiang Mai University*

**24. *STEMONA COLLINSIAE* AS BIOPESTICIDE FOR COCKROACH CONTROL**

**Dr. Aurapa Sakulpanich**

*Division of Pharmaceutical Sciences, Faculty of Pharmacy, Thammasat University*

12.00-13.00hr

## E-poster

## Invited speakers:

1. DECLINING OF DENGUE CASES DURING COVID-19 EPIDEMICS IN THAILAND, 2021  
Ms. Teeravadee Korphayakkhin  
*Department of Disease Control, Public Health Ministry*
2. EFFECTS OF SALIVARY PROTEINS ON DUCK TEMBUSU VIRUS REPLICATION AND INFECTION IN *Aedes aegypti* SALIVARY GLAND  
Dr. Chalida Sri-in  
*Faculty of Veterinary Science, Chulalongkorn University*
3. SURVEY OF ANTIBIOTIC RESISTANCE *ESCHERICHIA COLI* AND *KLEBSIELLA PNEUMONIAE* FROM CANALS IN LAK SI DISTRICT, BANGKOK  
Dr. Woranich Hinthong  
*Princess Srisavangavadhana College of Medicine, Chulabhorn Royal Academy*
4. ESTABLISHMENT OF PSM ONLINE AMIDST THE NEW NORMAL OF COVID-19 PANDEMIC  
Ms. Thannikar Thongard  
*Division of Vector-Borne Diseases (DVBD), Department of Disease Control*
5. IMPLICATIONS OF COVID-19 PANDEMIC ON LIFE SCIENTISTS IN THE PHILIPPINES  
Dr. Pierangeli Vital  
*Natural Sciences Research Institute, University of the Philippines Diliman*
6. NEXT GENERATION SEQUENCING BASED SCREENING OF DIFFERENTIAL GENES EXPRESSION RELATED TO HUMAN IMMUNE RESPONSES INDUCED BY THIRD-STAGE *GNATHOSTOMA SPINIGERUM* LARVAE  
Ms. Pattarasuda Puasri  
*Faculty of Tropical Medicine, Mahidol University (Mahidol Vivax Research Unit (MVRU))*
7. MOLECULAR PROFILES OF MULTIPLE ANTIMALARIAL DRUG RESISTANCE GENES IN *PLASMODIUM FALCIPARUM* IN THE MANDALAY REGION, MYANMAR  
Ms. Huong Giang Le  
*Gyeongsang National University School of Medicine*
8. VECTOR COMPETENCE AND THE SUSCEPTIBILITY OF *ANOPHELES PULLUS*, *AN. BELENRAE*, AND *AN. DIRUSTO VIVAX* MALARIA-INFECTED BLOOD FROM THAI PATIENTS  
Dr. Ratawan Ubalee  
*AFRIMS*



9. **HOST BIOMARKERS FOR THE DIAGNOSIS OF SEVERE IMPORTED *PLASMODIUM FALCIPARUM* MALARIA**  
 Dr. Leire Balerdi-Sarasola  
*Hospital Clinic of Barcelona and ISGlobal*
10. **EVALUATION OF TRANSMISSION BLOCKING CAPABILITY OF ANTIMALARIAL DRUGS AFTER MULTI-STAGE INHIBITION OF *PLASMODIUM* GAMETOCYTE THROUGH STANDARD MEMBRANE FEEDING ASSAYS**  
 Dr. Amit Kumar  
*ICMR- National Institute of Malaria Research*
11. ***PFDHFR* AND *PFDHPS* GENE MUTATIONS IN *PLASMODIUM FALCIPARUM* ISOLATES FROM RANONG, THAILAND**  
 Ms. Autchariya Thodsapol  
*Other (Faculty of Science, Prince of Songkla University)*
12. **REDUCED RISK OF PLACENTAL PARASITAEMIA ASSOCIATED WITH COMPLEMENT FIXATION ON *PLASMODIUM FALCIPARUM* BY ANTIBODIES AMONG PREGNANT WOMEN**  
 Dr. Herbert Opi  
*Bumet Institute*
13. **ASEXUAL BLOOD STAGE PROFILES OF *PLASMODIUM FALCIPARUM* MALARIA AFTER TRIPLE ARTEMISININ-BASED COMBINATION THERAPY**  
 Ms. Boontharik Boonrod  
*Faculty of Tropical Medicine, Mahidol University (Clinical Tropical Medicine)*
14. **NATURAL INFECTIONS WITH LARVAE OF ONCHOCERCA SPECIES TYPE IN THE HUMAN-BITING BLACK FLY, *SIMULIUM NIGROGILVUM* (Diptera: Simuliidae), IN CENTRAL THAILAND**  
 Ms. Fan Huang  
*Department of Parasitology, Faculty of Medicine, Chiang Mai University*
15. **COMPARISON OF MODIFIED JONES' CULTURE MEDIUM AND POLYMERASE CHAIN REACTION (PCR) FOR DIAGNOSIS OF *BLASTOCYSTIS HOMINIS* INFECTION**  
 Mr. Made Bayu Permasutha  
*Universitas Gadjah Mada*
16. **HIGHLY PREVALENT ASYMPTOMATIC CRYPTOSPORIDIOSIS IN HIV-POSITIVE CHILDREN WITH MILD IMMUNODEFICIENCY: A HOSPITAL-BASED STUDY IN YOGYAKARTA, INDONESIA**  
 Dr. Ajib Diptyanusa  
*Faculty of Medicine, Public Health and Nursing, Universitas Gadjah Mada*

17. EPIDEMIOLOGY OF INTESTINAL PARASITE INFECTION AND ASSOCIATED RISK FACTORS AMONG THE SCHOOL CHILDREN IN THE PROVINCE OF MANZINI AND LUBOMBO, KINGDOM OF ESWATINI  
**Ms. AI-WEN YIN**  
*Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University, Taipei, Taiwan*
18. ESTABLISHMENT OF PCR ASSAY BASED ON 23S rRNA GENE FOR SPECIFIC DETECTION OF *MYCOPLASMA SUIS* INFECTION IN PIGS  
**Mr. Kritsada Thongmeese**  
*Parasitology Unit, Department of Pathology, Faculty of Veterinary Science, Chulalongkorn University*
19. IDENTIFICATION OF CIRCULATING miRNA AS A POTENTIAL BIOMARKER FOR LYMPHATIC FILARIASIS  
**Assist. Prof. ANAND S B**  
*Madurai Kamaraj University, INDIA*
20. MAMMALIAN WOUND HEALING BY THE TREATMENT WITH EXCRETORY-SECRETORY PRODUCT AND LYSATE OF THE TREMATODE *OPISTHORCHIS FELINEUS*  
**Ms. Alena Tarasenko**  
*Novosibirsk State University*
21. ANALYSIS OF THE MICROBIOME OF THE HAMSTERS GASTROINTESTINAL TRACT DURING INFECTION WITH THE LIVER FLUKES *OPISTHORCHIS FELINEUS*, *OPISTHORCHIS VIVERRINI* AND *CLONORCHIS SINENSIS*  
**Mrs. Ekaterina Lishai**  
*Institute of Cytology and Genetics, Siberian Branch of the Russian Academy of Sciences*
22. QUALITY OF LIFE OF CHOLANGIOCARCINOMA PATIENTS AFTER BEING ADMINISTERED WITH THAI MEDICINAL CANNABIS  
**Mrs. Narisara Phansila**  
*Medicine MSU*
23. SLEEPING SPACE AND SLEEPING PATTERN AS FACTORS ASSOCIATING BED NET UTILIZATION AMONG KAREN POPULATION ALONG THE THAI-MYANMAR BORDER: MIXED-METHODS APPROACH  
**Ms. Kasama Pooseesod**  
*Faculty of Tropical Medicine, Mahidol University (Tropical Hygiene)*
24. KNOCKDOWN RESISTANCE MUTATIONS OF THE VOLTAGE-GATED SODIUM CHANNEL IN MYANMAR *Aedes Aegypti* MOSQUITOES  
**Mr. Tuan Cuong Vo**  
*Gyeongang National University, School of Medicine*