

PROGRAM BOOK

The 20th International Congress for Tropical Medicine and Malaria (ICTMM2020)

Bangkok International Trade & Exhibition Centre (BITEC)

24-28 October 2022



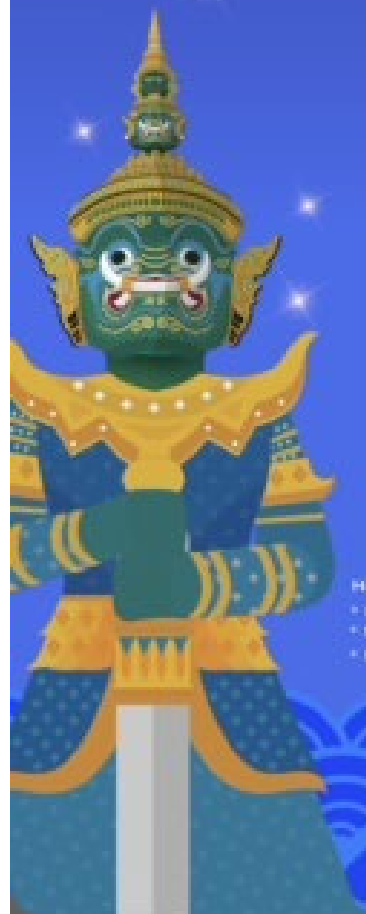
ICTMM 2020

Bangkok, Thailand

"THE 20TH INTERNATIONAL CONGRESS
FOR TROPICAL MEDICINE AND MALARIA"

24-28 OCTOBER 2022

BANGKOK INTERNATIONAL TRADE & EXHIBITION CENTRE (BITEC)



ICTMM2020 APPLICATION



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HOSTED BY:

- * FACULTY OF TROPICAL MEDICINE, MAHIDOL UNIVERSITY
- * PARASITOLOGY AND TROPICAL MEDICINE ASSOCIATION OF THAILAND
- * INTERNATIONAL FEDERATION FOR TROPICAL MEDICINE



CEREMONIES, SOCIAL EVENTS AND ORAL PRESENTATIONS

Time	Day 1: Monday 24 October 2022	
13.00-16.30	Registration	
16.30-17.30	Opening ceremony <i>Pratap Singhasivanon</i> <i>Weerapong Phumratanaprapin</i> <i>Nicholas Day</i> <i>Santiago Mas-Coma</i> <i>Yongyuth Yuthavong</i>	Event Hall 98
17.30-17.35	Opening global key message from the Director General of the World Health Organization <i>Tedros Adhanom Ghebreyesus</i>	
17.35-18.30	Opening keynote lecture: Rethinking malaria and neglected tropical diseases in the context of COVID-19 <i>Dyann Wirth</i>	
18.30-20.00	Welcome reception	

Time	Day 2: Tuesday 25 October 2022	
07.00-08.00	Daily registration	
08.00-09.00	Plenary 1: Antibody responses to SAR-CoV2 infection and vaccination <i>Florian Krammer</i>	<i>Event Hall 98</i>
09.00-10.00	TK1_R1: Harnessing genomics for malaria eradication <i>Dyann Wirth</i>	<i>Event Hall 98</i>
	TK2_R2: Alternative strategies for the elimination of lymphatic filariasis and onchocerciasis <i>Mark Taylor</i>	<i>Bhiraj Hall 1</i>
	TK3_R3: Updates and challenges of HIV vaccine candidates in clinical trials <i>Punnee Pitisuttithum</i>	<i>Bhiraj Hall 2</i>
	TK4_R4: Eliminating viral hepatitis in Thailand by the year 2030 <i>Yong Poovorawan</i>	<i>Bhiraj Hall 3</i>
10.00-10.30	Refreshment	<i>Event Hall 98</i>
10.30-12.00	S1_R1: Pathophysiology and treatment of severe malaria <i>Chairperson: Katherine Plewes</i> <i>Co-Chairperson: Arjen Dondorp</i>	<i>Silk 2</i>
	The macro and microcirculation in severe falciparum malaria <i>Haruhiko Ishioka</i>	
	Cell free hemoglobin mediated oxidative stress and paracetamol in severe malaria <i>Katherine Plewes</i>	
	The gut microbiota in severe falciparum malaria <i>Natthida Sriboonvorakul</i>	
	Acute kidney injury in severe <i>Plasmodium knowlesi</i> malaria <i>Daniel Cooper</i>	
	S2_R2: Antimalarial drug resistance <i>Chairperson: Mallika Imwong</i> <i>Co-Chairperson: Olivo Miotto</i>	<i>Silk 3</i>
	Targeting proteostasis to overcome artemisinin resistance <i>Leann Tilley</i>	
	Mechanisms of artemisinin resistance: the transcriptomic approach <i>Zbynek Bozdech</i>	
	Genetic surveillance of drug-resistant malaria <i>Olivo Miotto</i>	

<p>S3_R3: Approaches to malaria elimination Silk 4 <i>Chairperson: Lorenz von Seidlein</i> <i>Co-Chairperson: Frank Smithuis</i></p> <p>The malaria elimination task force <i>Aung Pyae Phyo</i></p> <p>Integrated community health workers for malaria elimination <i>Frank Smithuis</i></p> <p>Targeted mass drug administration and potential supplemental interventions for malaria elimination <i>Lorenz von Seidlein</i></p>
<p>S4_R4: Exploiting Wolbachia as a public health tool for arbovirus and filariasis control Nile 1 <i>Chairperson: Mark Taylor</i> <i>Co-Chairperson: Grant Hughes</i></p> <p>New animal models of filariasis for anti-Wolbachia drug discovery and development <i>Joseph Turner</i></p> <p>Development of alternative treatments for filarial diseases <i>Sabine Specht</i></p> <p>Large scale implementation of the WMP Wolbachia method <i>Jacqui Montgomery</i></p> <p>Exploiting native Wolbachia strains from Anopheles mosquitoes for malaria and arbovirus control <i>Grant Hughes</i></p>
<p>S5_R5: Parasites of the gut: seeking vaccine and diagnostic candidates Nile 2 <i>Chairperson: Malcolm Jones</i> <i>Co-Chairperson: Momar Ndao</i></p> <p>Metabarcoding: one size fits most: from Acanthamoeba to Strongyloides <i>Christen Rune Stensvold</i></p> <p>Parasites diagnostic in the context of LMIC: Senegalese experiences <i>Doudou Sow</i></p> <p>Molecular diagnostics of intestinal parasites in the endemic and non-endemic population <i>Jaco Verweij</i></p> <p>Schistosomiasis vaccination: new approaches of antigen delivery <i>Momar Ndao</i></p>

<p>S6_R6: Antimalarial drug developments Nile 3 <i>Chairperson: Steve Ward</i> <i>Co-Chairperson: Pradipsinh K Rathod</i></p> <p>Structure-activity relationship, property optimization, and target identification of a novel series of hypnozoicidal compounds developed from the hit MMV987 <i>Steven Maher</i></p> <p>Hit to lead optimization of antimalarial plasmepsin X inhibitor <i>Paul M O'Neill</i></p> <p>Development of novel antifolate antimalarials <i>Sumalee Kamchonwongpaisan</i></p> <p>Targeting malaria pyrimidine metabolism <i>Pradipsinh K Rathod</i></p>
<p>S7_R7: Fever in the tropics Nile 4 <i>Chairperson: Yoel Lubell</i> <i>Co-Chairperson: William Schilling</i></p> <p>The epidemiology of febrile illness in South and Southeast Asia: definition and application <i>Rusheng Chew</i></p> <p>Advances in POCTs for febrile illness <i>Matthew Robinson</i></p> <p>Can host biochemical biomarkers help predict severity in patients with a febrile illness? <i>Arjun Chandna</i></p> <p>Fever and health-seeking behavior among migrants alongside the Thai-Myanmar border: a mixed-methods study <i>Thomas Althaus</i></p>
<p>S8_R8: TB drug discovery and diagnostic tools Amber 1 <i>Chairperson: Giancarlo Biagini</i></p> <p>Virtual screening identifies novel ATPase inhibitors of MTB DNA gyrase <i>Pharit Kamsri</i></p> <p>Hybridisation approaches in anti-tuberculosis drug discovery <i>Weiqian David Hong</i></p> <p>Discovery and hit to lead optimization of potent inhibitors as antituberculosis agents <i>Pornpan Pungpo</i></p> <p>Targeting anti-tuberculosis as dry powder aerosols to the lung <i>Teerapol Srichana</i></p> <p>Pooling sputum specimens to increase testing capacity for TB diagnosis during the COVID-19 pandemic <i>Vibol Iem</i></p>

	<p>S9_R9: Conquering the issue of low-density parasite-carriers for the last mile towards malaria elimination <i>Chairperson: Shigeyuki Kano</i> <i>Co-Chairperson: Srivicha Krudsood</i></p> <p>Innovative technologies and strategies to ultimately eliminate malaria <i>Shigeyuki Kano</i></p> <p>Introduction of malaria test using flow cytometry method, XN-31 <i>Aya Konishi</i></p> <p>Feasibility of PURE-LAMP system for malaria elimination <i>Shota Koyano</i></p> <p>Practical and clinical overview of the diagnostic innovation <i>Srivicha Krudsood</i></p>	Amber 2
	<p>S10_R10: The Armed Forces Research Institute of Medical Science: Fighting infectious diseases for 63 years through US and Royal Thai Army collaborative medical research <i>Moderator: MAJ Erica Lindroth</i></p> <p>The AFRIMS Partnership: Why the US military champions global health? <i>COL Matthew Levine</i></p> <p>Thai-US research cooperation at the Armed Force Research Institute of Medical Sciences <i>COL Khunakorn Kana</i></p> <p>COVID-19, other viral and mosquito-borne parasitic disease research in collaboration with US AFRIMS <i>COL Sutchana Tabprasit</i></p>	Amber 3
12.00-13.00	Lunch	Event Hall 98
12.00-13.30	<p>L1_R1: Luncheon symposium by Takeda (Thailand) Ltd A new era of dengue vaccination <i>Moderator: Pratap Singhasivanon</i></p> <p><i>Speakers:</i> <i>Sutee Yoksan</i> <i>Mayuri Sharma</i> <i>Gonzalo Pere</i> <i>Sasisopin Kiertiburanakul</i></p>	Bhiraj Hall 1
13.00-14.00	Poster session 1	Event Hall 98

<p>14.00-15.00</p>	<p>TK5_R1: New innovations and focus in antimalarial drug discovery <i>Jeremy Burrows</i></p> <p>TK6_R2: Dengue vaccine: where are we today? <i>Anna Durbin</i></p> <p>TK8_R4: Human rabies: prospects for elimination in limited-resource countries <i>Terapong Tantawichien</i></p>	<p><i>Event Hall 98</i></p> <p><i>Bhiraj Hall 1</i></p> <p><i>Bhiraj Hall 3</i></p>
<p>15.00-16.30</p>	<p>S11_R1: Collaborative malaria research in South Asia <i>Chairperson: Pradipsingh K Rathod</i> <i>Co-Chairperson: Vineeta Singh</i></p> <p>Diversity and seasonal prevalence of Anopheline species in Southwest India <i>Ajeet Mohanty</i></p> <p>Collaborative malaria research in South Asia: Indian malaria parasites <i>Rimi Chakrabarti</i></p>	<p><i>Silk 2</i></p>
	<p>S12_R2: Advances in diagnosis of intestinal protozoan diseases <i>Chairperson: Jaco J Verweij</i> <i>Co-Chairperson: Christen Rune Stensvold</i></p> <p><i>E. histolytica, Giardia, Cryptosporidium</i> – the usual suspects?! <i>Jaco J Verweij</i></p> <p>Advances in the diagnosis of cyclosporiasis <i>Richard Bradbury</i></p> <p>‘Dientamoebiasis’ and ‘blastocystosis’ - how relevant are these terms? <i>Christen Rune Stensvold</i></p>	<p><i>Silk 3</i></p>

<p>S13_R3: Community-based service delivery - an integral component of the health system for malaria elimination <i>Silk 4</i> <i>Chairperson: Jane Achan</i> <i>Co-Chairperson: Khin Thet Wai</i></p> <p>Training malaria volunteers to deliver integrated community case management: lessons learnt from rural Myanmar <i>Nay Yi Yi Linn</i></p> <p>The important role of a community network in malaria elimination in Cambodia <i>Rekol Huy</i></p> <p>The future of vertical malaria-only community health worker programs: a case study from Lao PDR <i>Keobouphaphone Chindavongsa</i></p> <p>upSCALE: strengthening mobile health to improve disease surveillance and community-based services in Mozambique <i>Edson Alexandre Zandamela</i></p>
<p>S14_R4: Malaria vaccine development <i>Nile 1</i> <i>Chairperson: Lorenz von Seidlein</i></p> <p>The R21/Matrix-M™ malaria vaccine: results from phase II and III trials and future plans <i>Adrian Hill</i></p> <p>Recent advances in RH5-based vaccines for blood-stage <i>P. falciparum</i> malaria <i>Simon Draper</i></p> <p><i>P. vivax</i> vaccine development <i>Kevin Baird</i></p> <p>Progress in evaluation of sexual stage targeting vaccines <i>Patrick Duffy</i></p>
<p>S15_R5: Zika and new approaches for its control: where are we after the pandemic <i>Nile 2</i> <i>Chairperson: Albert Icksang Ko</i> <i>Co-Chairperson: Rome Buathong</i></p> <p>Zika in Asia: risk for transmission and severe outcomes <i>Rome Buathong</i></p> <p>Situation of Zika after the pandemic <i>Albert Icksang Ko</i></p> <p>Evaluating population replacement intervention strategies: a cluster randomized control trial in Belo Horizonte, Brazil <i>Mauro Martins Teixeira</i></p>

<p>S16_R6: Melioidosis in Southeast Asia: current status and research <i>Chairperson: Vanaporn Withiekanun</i> <i>Co-Chairperson: Narisara Chantratita</i></p> <p>Tactical implementation of melioidosis research in Myanmar Military Medical Corps <i>Tin Muang Hlaing</i></p> <p>Melioidosis in Lao PDR <i>Andrew Simpson</i></p> <p>Biomarkers of melioidosis <i>Narisara Chantratita</i></p>	<p>Nile 3</p>
<p>S17_R7: Dengue pathogenesis: lessons learned from patients <i>Chairperson: Panisadee Avirutnan</i></p> <p>Single cell RNA seq reveal dynamic immune response during the course of dengue infection <i>Anunya Opasawatchai</i></p> <p>Do viremia levels correlate with dengue severity? <i>Dumrong Mairiang</i></p> <p>Anti-NS1 antibody response in dengue <i>Sansanee Noisakran</i></p>	<p>Nile 4</p>
<p>S18_R8: Role of Simian malaria in malaria elimination <i>Chairperson: Sylvie Manguin</i> <i>Co-Chairperson: Indra Vythillingam</i></p> <p>Genetic and phenotypic differentiation of the zoonotic malaria parasite <i>Plasmodium knowlesi</i> <i>Fong Mun Yik</i></p> <p>Macaque displacement and potential alteration in dynamics of zoonotic malaria elimination <i>Reuben Sharma</i></p> <p>Spatial distribution and incrimination of vectors in relation to zoonotic transmission of malaria in Malaysia <i>Indra Vythillingam</i></p> <p>Simple and purification free nucleic acid extraction method coupled with LAMP assay for rapid diagnosis of malaria <i>Lau Yee Ling</i></p> <p>Clinical management of <i>Plasmodium knowlesi</i> malaria <i>Timothy William</i></p>	<p>Amber 1</p>

	<p>S19_R9: Emerging viruses: catching up with viral evolution and diversity <i>Chairperson: Prasert Auewarakul</i> <i>Co-Chairperson: Kobporn Boonnak</i></p> <p>Zika virus and the interferon response: a tale of two mechanisms <i>Duncan R Smith</i></p> <p>NIH dengue vaccine trials <i>Stephen S Whitehead</i></p> <p>Fever from the forest: the continuing emergence of arboviruses <i>Kobporn Boonnak</i></p> <p>Finding antivirals for emerging viruses <i>Prasert Auewarakul</i></p>	Amber 2
	S20_R10: Symposium (TBA)	Amber 3
16.30-17.00	Refreshment	
17.00-18.30	<p>O1_R1: Antimalarial drug development: approached and progress <i>Chairperson: COL Mathirut Mungthin</i></p> <p>Elaboration of 4'-phosphopantetheine adenyltransferase inhibitors as antimalarial agents <i>Mokhitli Morake</i></p> <p>Fragment-based drug discovery on <i>Plasmodium falciparum</i> DHFR: towards new-generation antifolates <i>Marie Hoarau</i></p> <p><i>In vitro</i> antiplasmodial activity and cytotoxicity of extracts and fractions of <i>Tetrorchidium didymostemon</i> <i>Osamudiamen Ebohon</i></p> <p>Active compounds from <i>Streptomyces hygrosopicus</i> subsp <i>hygrosopicus</i>: a promising new antimalarial drug with specific target <i>Loeki Enggar Fitri</i></p>	Silk 2

O2_R2: Dengue infection: virus evolution dynamics and prophylaxis

Silk 3

Chairperson: Padet Siriyasatien

Potential role of natural selection in a dengue virus genotype replacement in New Caledonia

Olivia O'Connor

The prophylactic effects of *Lactococcus lactis* strain Plasma against dengue virus infections via the activation of plasmacytoid dendritic cells *in vitro* and *in vivo*

Ryohei Tsuji

***Lactococcus lactis* strain Plasma intake suppresses the incidence of dengue fever-like symptoms in healthy Malaysians: a randomized, double-blind, placebo-controlled trial**

Chee-Sieng Khor

Impact of infectious disease after *Lactococcus lactis* strain Plasma intake in Vietnamese schoolchildren: a randomized, placebo-controlled, double-blind study

Mai Truong Tuyet

Replication competencies of dengue virus type 1 in *Aedes albopictus* and *Aedes aegypti*

Noor Syahida Azizan

O3_R3: Protozoal infection: parasite development, diagnosis and control

Silk 4

Chairperson: Porntip Petmitr

Glucose metabolism of host cell in pentose phosphate pathway regulate *Toxoplasma gondii* stage conversion in skeletal muscle cells

Taibur Rahman

Molecular methods for diagnosis of toxoplasmosis in pregnant women with bad obstetric history and comparison with serological diagnosis

Ankita Saran

Development and performance validation of species-specific immunological detection for *Entamoeba histolytica* and *Entamoeba moshkovskii*

Aulia Rahmi Pawestri

Exploring of pathogenic *Leptospira interrogans* protein secretions under *in vivo* leptospiruria mimicking transition

Santi Maneewatchararangsri

Production of pathogenic and intermediate *Leptospira* specific monoclonal antibodies and their future applications

Saengduen Moonsom

Factors associated with infection of Leishmania among HIV patients in Trang Province, southern Thailand: a study on three predominant species in Thailand

Phunlerd Piyaraj

Control of Chagas disease in non-endemic areas: laboratory surveillance of congenital infection

Maria Delmans Flores Chavez

O4_R4: Schistosomiasis: vaccine targets, diagnostics and control

Nile 1

Chairperson: Poom Adisakwattana

Immunization with a recombinant Cathepsin B expressing adenoviral vector protects from infection from *Schistosoma mansoni*

Dilhan Perera

Therapeutic vaccination using Cathepsin B with a *Salmonella typhimurium* vector reduces parasite burden in mice chronically-infected with *Schistosoma mansoni*

Adam S Hassan (presented by Dilhan Perera)

Expression and evaluation of recombinant antigen thioredoxin peroxidase-1 (TPx-1) from *Schistosoma mekongi* for schistosomiasis diagnosis

Atcharaphan Wanlop

<p>O5_R5: Towards elimination of helminthiases Nile 2 <i>Chairperson: Paron Dekumyoy</i></p> <p>Enhanced lymphatic targeting of antifilaria drugs using the combination of solid lipid nanoparticle and dissolving microneedles for improved treatment of lymphatic filariasis <i>Andi Dian Permana</i></p> <p>Molecular characterization of <i>Wuchereria bancrofti</i> from microfilaraemic individuals in Nepal <i>Shyam Dumre</i></p> <p>Preclinical efficacy of the anti-<i>Wolbachia</i> drug candidate AWZ1066S: a short course curative treatment for filariasis <i>Shrilakshmi Hegde</i></p> <p>Essential for exsheathment: <i>Wolbachia</i>'s impact on the transmission of <i>Brugia malayi</i> into <i>Aedes aegypti</i> mosquitoes <i>Shannon Quek</i></p> <p>Screening program of strongyloidiasis in Chagas disease patients living in Barcelona (Spain) <i>Teresa Vinuesa</i></p> <p>Community-based intervention trial: coverage and compliance of mass drug administration in lymphatic filariasis persistent transmission townships in Myanmar <i>Tha Maung Maung (presented by Poe Poe Aung)</i></p>
<p>O6_R6: Malaria pathogenesis and host immune response Nile 3 <i>Chairperson: Parnpen Viriyavejakul</i></p> <p>Extracellular vesicle cargo: a source of microRNA biomarkers for severe malaria in paediatric patients <i>Iris Simone Cheng</i></p> <p><i>Plasmodium falciparum</i> antigenic variation and infection persistence in seasonal transmission settings <i>Silvia Portugal</i></p> <p>Intestinal barrier disruption in malaria in pregnancy and risk of preterm birth: a cohort study <i>Julie Wright</i></p> <p>Redefining asymptomatic malaria: a parasite survival strategy or manifestation of differentials in host disease tolerance <i>Egboro Daniel</i></p> <p>Cerebral malaria: effect of <i>P. falciparum</i> pathogenesis in response mechanisms of HBMEC and brain organoids <i>Ana Pedrosa</i></p> <p>Predicting host control of parasite burden following controlled human malaria infection <i>Denise Doolan</i></p>

<p>O7_R7: Vectors, vector control and vector borne diseases <i>Chairperson: Kabkaew Sukontason</i> <i>Co-Chairperson: Kwankamol Limsopatham</i></p> <p>Development of the preclinical animal models against vector-borne pathogen infections for therapeutic assessments <i>Ratawan Ubalee</i></p> <p>Entomological/Epidemiological approach for vector control management in Cambodia <i>Sebastien Boyer</i></p> <p>Malaria vector control in Angola: a study case <i>Léa Violle (presented by Sylvie Manguin)</i></p> <p>Molecular surveillance of trypanosomatids in the biting midges <i>Culicoides</i> spp collected from the leishmaniasis focus of northern Thailand: the possible vector of leishmaniasis <i>Kanok Preativatanyou</i></p> <p>First molecular evidence of <i>Bartonella</i> in biting midges <i>Culicoides</i> spp collected from the leishmaniasis focus of northern Thailand: a possible zoonotic concern <i>Chatuthanai Savigamin</i></p> <p>Modulated microRNAs expression alter parasite growth, inflammation and cell adhesion in <i>Leishmania</i> infection <i>Eduardo Milton Ramos Sanchez (presented by Hiro Goto)</i></p>	<p>Nile 4</p>
<p>O8_R8: Dengue vaccine development <i>Chairperson: Narisara Chantratita</i></p> <p>Epidemiological shift of dengue toward older age groups – clinical and public health implications <i>Theodore Tsai</i></p> <p>Combatting antimicrobial resistance – what can dengue control offer? <i>Nicole Huang (presented by Theodore Tsai)</i></p> <p>Development of Takeda’s dengue vaccine candidate: results from participants in Thailand <i>Andrew Green</i></p> <p>Effect of a tetravalent dengue vaccine (TAK-003) on sequential episodes of symptomatic dengue <i>Gonzalo Perez</i></p>	<p>Amber 1</p>
<p>O9_R9: Reserved for free-paper late registration</p>	<p>Amber 2</p>

Time	Day 3: Wednesday 26 October 2022	
07.00-08.00	Daily registration	
08.00-09.00	Plenary 2: Confronting the steep challenges in diagnosis and treatment of pernicious <i>Plasmodium vivax</i> malaria <i>Kevin Baird</i>	<i>Event Hall 98</i>
09.00-10.00	TK9_R1: The next great antimalarial: where is it? <i>Pradipsinh K Rathod</i>	<i>Event Hall 98</i>
	TK10_R2: Impact of insecticide resistance on disease control <i>Janet Hemingway</i>	<i>Bhiraj Hall 1</i>
	TK11_R3: Advances in molecular diagnosis of tuberculosis and mycobacterial infection <i>Kiatichai Faksri</i>	<i>Bhiraj Hall 2</i>
	TK12_R4: Enteric vaccines: from discovery to access <i>Jerome Kim</i>	<i>Bhiraj Hall 3</i>
10.00-10.30	Refreshment	<i>Event Hall 98</i>
10.30-12.00	S21_R1: PfSPZ vaccines: from conception to licensure to deployment to improvement <i>Chairperson: Stephen L Hoffman</i> <i>Co-Chairperson: Thomas L Richie</i>	<i>Silk 2</i>
	Introduction and short overview <i>Stephen L Hoffman</i>	
	Generations 1 and 2: PfSPZ vaccine (radiation attenuated PfSPZ) and PfSPZ-CVac (chemo-attenuated PfSPZ) <i>Thomas L Richie</i>	
	PfSPZ vaccine to prevent malaria in pregnancy <i>Patrick Duffy</i>	
	Generation 3: PfSPZ-LARC2 vaccine (genetically-attenuated PfPPZ) <i>Stephen L Hoffman</i>	
	PfSPZ vaccine deployment, including <i>P. falciparum</i> elimination campaigns <i>Salim Abdulla</i>	
	Bioreactor production of PfSPZ <i>in vitro</i> without mosquitoes <i>Stephen L Hoffman</i>	
	Round table/ general discussion: most rapid route for licensure and implementation <i>Patrick Duffy and Thomas L Richie</i>	

<p>S22_R2: Roll back dengue Silk 3 <i>Chairperson: Usa Thisyakorn</i> <i>Co-Chairperson: Sutee Yoksan</i></p> <p>Establishment of Asia Dengue Voice and Action (ADVA) dengue task force to prioritize dengue preparedness and responsiveness in Asia <i>Francis Kwong</i></p> <p>World Dengue Day: a Call-to-Action <i>Kamran Rafiq</i></p> <p>Dengue diagnostics <i>Stefan Fernandez</i></p> <p>Current management of severe dengue <i>Nattachai Srisawat</i></p>
<p>S23_R3: Integrated approaches to insect vector control Silk 4 <i>Chairperson: Janet Hemingway</i> <i>Co-Chairperson: Rudra Pratap Singh</i></p> <p>Entomological surveillance for validation of visceral leishmaniasis elimination <i>Rudra Pratap Singh</i></p> <p>Development of a new diagnostic Sensor for IRS Quality Assurance <i>Patryk Kot</i></p> <p>Operational implementation of IRS diagnostics for VL and malaria control <i>Janet Hemingway</i></p>
<p>S24_R4: Triple artemisinin combination therapies for the treatment of drug resistant falciparum malaria Nile 1 <i>Chairperson: Arjen Dondorp</i></p> <p>Results of the TACT-CV and TRAC II trials <i>Thomas Peto</i></p> <p>Pharmacokinetic interactions of triple ACTs <i>Joel Tarning</i></p> <p>Ethical considerations in deploying triple artemisinin-based combination therapies for malaria: an analysis of stakeholders' perspectives in Burkina Faso and Nigeria <i>Phaikyeong Cheah</i></p> <p>Modeling of the potential benefits of TACTs <i>Ricardo Aguas</i></p> <p>The Development of Triple Artemisinin-based Combination Therapies (DeTACT) project <i>Chanaki Amaratunga</i></p>

<p>S25_R5: Malaria and other vector-borne diseases in mobile and hard to reach population <i>Chairperson: Helene Hiwat</i></p> <p>Epidemiology of imported malaria in northern Sumatra, Indonesia <i>Kinley Wandí</i></p> <p>Malakit: innovative tool against malaria in gold miners in the Amazon <i>Maylis Douine</i></p> <p>Best practices for innovative hammock nets deployment in Vietnam and Cambodia for mobile forest goers' populations <i>Josselyn Neukom</i></p> <p>Malaria prevention and control in mobile and hard to reach populations in Burkina Faso <i>Gauthier Tougri</i></p>	<p>Nile 2</p>
<p>S26_R6: Stopping future pandemics through the strengthening of One Health citizens <i>Moderator: Dee Bourbon</i></p> <p><i>Speakers:</i> <i>Sandra Tempongko</i> <i>Vipat Kuruchittham</i> <i>Sirikachorn Tangkawattana</i></p>	<p>Nile 3</p>
<p>S27_R7: Malaria vectors: surveillance and resistance <i>Chairperson: Sylvie Manguin</i> <i>Co-Chairperson: Theeraphap Charoenviriyaphap</i></p> <p>Monitoring insecticide resistance in large-scale clinical trials evaluation spatial repellent efficacy: challenges and insights <i>Nicole L Achee</i></p> <p>Review on new approaches for malaria vector control <i>Sylvie Manguin</i></p> <p>Repellent study in GMS: a case study from Thailand <i>Theeraphap Charoenviriyaphap</i></p> <p>In need of new surveillance toolbox for knowlesi malaria vector <i>Indra Vythilingam</i></p> <p>Evolution of malaria vector bionomic and insecticide resistance in urban setting in Central Africa <i>Christophe Antonio Nkondjio</i></p>	<p>Nile 4</p>

	<p>S28_R8: Centers of Excellence for Malaria Research in Asia <i>Chairperson: Pradipsinh K Rathod</i></p> <p>Southeast Asian ICEMR: addressing the challenges in regional malaria elimination <i>Liwang Cui</i></p> <p>Applying serological surveillance tools for tracking and advancing elimination of malaria in Cambodia and PNG <i>Rhea Longley</i></p> <p>The impact of <i>Plasmodium falciparum</i> infection in the brain: new findings from an Indian cohort <i>Samuel Wassmer</i></p> <p>Malaria Evolution in South Asia (MESA): A US NIH International Center of Excellence for Malaria Research (ICEMR) <i>Pradipsinh K Rathod</i></p>	Amber 1
	<p>S29_R9: HIV therapeutics and pharmacology <i>Chairperson: Steve Ward</i> <i>Co-Chairperson: Tim Cressey</i></p> <p>Current antiretroviral therapies: challenges ahead <i>Chureeratana Bowonwatanuwong</i></p> <p>Quo Vadis long-acting antiretroviral therapeutics <i>Andrew Owen</i></p> <p>Transforming oral HIV drug combinations in daily pills to long-acting products through cell-targeted DcNP technology <i>Rodney JY Ho</i></p> <p>Dose optimization of antiretroviral drugs in Thai people living with HIV: can we do better? <i>Baralee Punyawudho</i></p>	Amber 2
	<p>S30_R10: New developments in human and animal parasites diagnostics <i>Chairperson: Momar Ndao</i> <i>Co-Chairperson: Malcolm Jones</i></p> <p>High throughput sequencing in diagnostic parasitology <i>Richard Bradbury</i></p> <p>One Health - examples of applying same diagnostic methods for samples from animals and humans <i>Pikka Jokelainen</i></p> <p>Detection of schistosomiasis in areas of low prevalence and low parasite burdens <i>Malcolm Jones</i></p> <p>Innovative tools for identifying <i>Schistosoma</i> spp and their intermediate hosts in endemic areas in Senegal <i>Doudou Sow</i></p>	Amber 3
12.00-13.00	Lunch	Event Hall 98
13.00-14.00	Poster session 2	Event Hall 98

14.00-15.00	<p>TK13_R1: Epidemiology of submicroscopic malaria and molecular surveillance of drug resistance <i>Mallika Imwong</i></p> <p>TK14_R2: Target-based screening versus phenotypic screening for antiparasite drug discovery: contrasting two strategies <i>Frederick S Buckner</i></p> <p>TK15_R3: Molecular evolution of SARS-CoV-2: past, present and future <i>Fernando Gonzalez Candelas</i></p> <p>TK16_R4: Thailand Anti-Microbial Resistant (AMR) Program in response to global action plan on AMR <i>Visanu Thamlikitkul</i></p>	<p><i>Event Hall 98</i></p> <p><i>Bhiraj Hall 1</i></p> <p><i>Bhiraj Hall 2</i></p> <p><i>Bhiraj Hall 3</i></p>
15.00-16.30	<p>S31_R1: Mutagenesis in populations of <i>Plasmodium falciparum</i> <i>Chairperson: Pradipsingh K Rathod</i></p> <p>Selection parameters facilitating <i>Plasmodium falciparum</i> evolution <i>Rapatbhorn Patrapuvich Rathod</i></p> <p>Molecular signatures from ARMD <i>Plasmodium falciparum</i> <i>John White</i></p> <p>Tracking <i>de novo</i> acquisition of CNV in <i>Plasmodium falciparum</i> using single cell approaches <i>Jennifer L Guler</i></p> <p>Genomic variations in Asian <i>Plasmodium falciparum</i> <i>Shruthi S Vembar</i></p>	<p><i>Silk 2</i></p>
	<p>S32_R2: Stamping out neglected tropical zoonoses – the necessity of a One Health approach <i>Chairperson: Rebecca J Traub</i> <i>Co-Chairperson: COL Mathirut Mungthin</i></p> <p><i>Taenia solium</i> control in endemic countries: challenges faced <i>Amanda Ash</i></p> <p>Zoonotic ancylostomiasis in the Asia Pacific- the risks of placing hookworm eggs in one basket <i>Rebecca J Traub</i></p>	<p><i>Silk 3</i></p>

<p>S33_R3: Heterologous immunity <i>Chairperson: Michael F Good</i> <i>Co-Chairperson: Stephanie Yanow</i></p> <p>Flavivirus cross-reactive immunity <i>Ashley StJohn</i></p> <p>Exploiting cryptic non-dominant B-cell epitopes for a vaccine in clinical development to prevent streptococcal infection and rheumatic heart disease <i>Michael F Good</i></p> <p>A mechanism of heterologous immunity between <i>P. vivax</i> PvDBP and <i>P. falciparum</i> VAR2CSA <i>Stephanie Yanow</i></p>	<p>Silk 4</p>
<p>S34_R4: Severe malaria: what's new on pathogenesis? <i>Chairperson: Alister Craig</i> <i>Co-Chairperson: Parnpen Viriyavejakul</i></p> <p>Neutrophils and the pathogenesis of cerebral malaria <i>Alister Craig</i></p> <p>Pipelicolic acid: a putative mediator of the coma of cerebral malaria <i>Johanna Daily</i></p> <p>Modeling cerebral malaria in 3D <i>in vitro</i> brain vascular models <i>Francois Korbmacher</i></p> <p>The brain-kidney axis in cerebral malaria: new insights into brain injury in children with severe malaria through analysis of cerebrospinal fluid biomarkers <i>Andrea Conroy</i></p> <p>Deciphering the pathogenesis of cerebral malaria through multidisciplinary patient investigations in India <i>Samuel Wassmer</i></p>	<p>Nile 1</p>
<p>S35_R5: Advances in pre-erythrocytic malaria biology and vaccines <i>Chairperson: Noah Sather</i></p> <p>Targeting <i>P. vivax</i> relapses with vaccine-elicited humoral immunity <i>Noah Sather</i></p> <p>Molecular mechanisms of malaria parasite transmission from mosquitoes to mammals <i>Tomoko Ishino</i></p>	<p>Nile 2</p>

S36_R6: Ivermectin for malaria: characterizing pharmacokinetics, metabolites and impacts on malaria

Nile 3

Chairperson: Kesinee Chotivanich

Co-Chairperson: Joel Tarning

Ivermectin and its metabolites

Phornpimon Tiphthara Wong

Ivermectin metabolites and their impact on mosquito survival

Kevin Kobylinski

Pharmacokinetics and mosquito-lethal properties of ivermectin and its metabolites

Richard Hoglund

In vitro* evaluation of ivermectin and ivermectin metabolites on asexual blood stage of *Plasmodium falciparum

Kesinee Chotivanich

S37_R7: Angiostrongyliasis

Nile 4

Chairperson: Vernon Ansdell

Co-Chairperson: Paron Dekumyoy

Diagnosis and treatment of neuro-angiostrongyloidiasis: evidence-based clinical practice guidelines

Vernon Ansdell

Stat3/IL-6 signaling mediates sustained pneumonia induced by *Angiostrongylus cantonensis*

Lyu Zhiyue

Immunochromatographic device, a Point-of-Care test to detect antibodies for rapid diagnosis of human angiostrongyloidiasis

Wanchai Maleewong

Application of Multiplex Bead Assay (MDA) technology to the serological surveillance of helminthiasis

Maria Jesus Pertequer Prieto

<p>S38_R8: Post-registration studies in antimalarial drug development <i>Chairperson: Stephan Duparc</i></p> <p>The CANTAM study: evaluation in real life of safety, tolerability and effectiveness of pyronaridine-artesunate in Central Africa and Côte d'Ivoire <i>Mirjam Groger</i></p> <p>Importance of the community health workers for the management of malaria at the community level <i>Stephan Duparc</i></p> <p>INSPECTOR insights: Tafenoquine and dihydroartemisinin-piperaquine for <i>P. vivax</i> radical cure in Indonesian Papua <i>Kevin Baird</i></p> <p>From clinical studies to operational feasibility: use of point-of-care testing for G6PD deficiency to support <i>P. vivax</i> case management with 8-aminoquinolines <i>Gonzalo Domingo</i></p>	<p>Amber 1</p>
<p>S39_R9: Virus-host interaction: what do we learn and what can we do? <i>Chairperson: Panisadee Avirutnan</i> <i>Co-Chairperson: Bunpote Siridechadilok</i></p> <p>Temporal and spatial changes of dengue force of infection <i>Darunee Buddhari</i></p> <p>Understanding the antibody responses to dengue and zika viruses to inform vaccine design <i>Wanwisa Dejnirattisai</i></p> <p>Potent programmable antiviral against dengue virus in primary human cells by Cas13b RNP with short spacer and delivery by VLP <i>Bunpote Siridechadilok</i></p>	<p>Amber 2</p>

O10_R10: Vectors and vector control I

Amber 3

Chairperson: Jassada Saingamsook

Co-Chairperson: Kwankamol Limsopatham

The impact of insect growth regulators on adult emergence inhibition and the fitness of *Aedes aegypti* field populations in Thailand

Thanyalak Fansiri

Larval source management strategies against *Anopheles darlingi* in remote Yanomami villages of the Amazon, Brazil

Jordi Sanchez Ribas

Rapid and non-destructive qualitative and quantitative screening of long-lasting insecticidal nets with portable spectroscopy

Matthew Eady (presented by David Jenkins)

The effect of transfluthrin-treated jute and cotton emanated vests on human landing and fecundity of *Anopheles minimus* in Thailand

Chanly Yan

Semi-field evaluation of sublethal doses of transfluthrin-treated jute and cotton fabrics against *Aedes aegypti* in Thailand

Alex Ahebwa

Using *Anopheles* salivary antibody biomarkers to assess spatial and temporal heterogeneity in vector exposure and malaria transmission in Southeast Myanmar

Ellen Kearney

Endemic fish species as alternatives to exotic guppy fish, *Poecilia reticulata*, for dengue vector control

Lawrence Braack

16.30-17.00 Refreshment

Event Hall 98

17.00-18.30	<p>O11_R1: Antimalarial drug and drug delivery system <i>Chairperson: COL Mathirut Mungthin</i></p> <p><i>In vitro</i> and <i>in vivo</i> models to evaluate extraerythrocytic activities of novel antifolate compounds against resistant parasites <i>Jutharat Pengon</i></p> <p>Homo lipid based microparticles for delivery of anti-malarial drugs <i>Adaeze Echezona</i></p> <p>Evaluation of a pharmacokinetic-pharmacodynamic model for predicting parasitological outcomes in Phase 2 studies of new antimalarial drugs <i>Julie Simpson</i></p> <p>Identification of an inhibitory pocket in falcilysin bound to antimalarials provides a new avenue for malaria drug development <i>Grennady Wirjanata</i></p>	<i>Silk 2</i>
	<p>O12_R2: Epidemiology and transmission dynamics of dengue <i>Chairperson: Urai Chaisri</i></p> <p>10 years epidemiology of dengue in Thailand: findings from near real-time laboratory-based system, a network of 40 hospitals in Thailand, 2010-2019 <i>Putt Narongdej</i></p> <p>A simulator forecasting short-term and long-term dengue incidence in Vientiane as a tool for epidemic control and sustainable urbanization plans <i>Damien Alain Michel Philippon</i></p> <p>Spatial and temporal patterns of dengue incidence in Bhutan: a Bayesian analysis <i>Tsheten Tsheten</i></p>	<i>Silk 3</i>

O13_R3: Helminthic infections: pathogenesis, diagnostics and control

Silk 4

Chairperson: Poom Adisakwattana

Stat3/IL-6 signaling mediates sustained pneumonia induced by *Angiostrongylus cantonensis* infection

Zhiyue Lyu

Novel diagnosis of neurocysticercosis using cell free *Taenia solium* derived DNA

Yashvi Mehta

High seroprevalence of helminths in patients with eosinophilia in north India

Nikita Sharma

Integration of health education intervention to improve the compliance to mass drug administration for soil-transmitted helminths infection in Bangladesh: an implementation research

Tilak Chandra Nath

An integrated approach for the control of intestinal parasites, south-central Côte d'Ivoire

Gaoussou Coulibaly

Mass drug administration is cost-effective compared to school-based preventive chemotherapy for hookworm control in Dak Lak Province, Vietnam

John Paul Caesar delos Trinos

Impact of the BALatine intervention on intestinal worms in Central Java, Indonesia

Darren Gray

O14_R4: Vectors and vector control II

Nile 1

Chairperson: Theeraphap Charoenviriyaphap

The effects of human and rhesus macaque blood meal sources on mosquito reproduction and adult survival under laboratory conditions

Siriporn Phasomkusolsil

Evaluation of *Andrographis paniculata* (Burm.f.) extracts on two mosquito species, *Aedes aegypti* and *Anopheles minimus*, using a high throughput screening system

Patcharawan Sirisopa

Effect of transportation on excito-repellency response in *Aedes aegypti* and *Anopheles minimus*, important vector of human diseases

Jutamas Kerdsawang

Comprehensive infection kinetics analysis reveals the risk of sylvatic dengue virus 2 transmission by urban *Aedes aegypti*

Natapong Jupatanakul

Modelling the establishment of wMel *Wolbachia* in wild *Aedes aegypti* population of Noumea, New Caledonia

Noé Ochida

Semi-field evaluation of novel chemical lures for *Aedes aegypti*, *Culex quinquefasciatus*, and *Anopheles minimus* (Diptera: Culicidae) in Thailand

Daeyun Kim

Comparison of four outdoor mosquito trapping methods as potential replacements for human landing catch

Suntorn Pimnon

O15_R5: Malaria parasite: genomics, vaccine candidates and therapeutics

Nile 2

Chairperson: Tawin Inpankaew

Transcriptomic complexity of the human malaria parasite *Plasmodium falciparum* revealed by long-read sequencing

Philip J Shaw

From genome to function: a genomic investigation into the neglected malaria parasite, *Plasmodium malariae*

Amy Ibrahim

Multifunctional and sustained levels of IgG and IgM antibodies elicited by the full-length MSP-1

“SumayaVac1” vaccine candidate in a phase 1a clinical trial

Richard Thomson Luque

<p>O16_R6: Pathogenic bacteria in human, animals and environment <i>Chairperson: Darawan Wanachiwawin</i></p> <p>Occurrence of antibiotic-resistant <i>Escherichia coli</i> isolates in Laguna Lake, Philippines <i>Daile Meek Membreve</i></p> <p>Characteristics of poor tuberculosis treatment outcomes among patients with pulmonary tuberculosis in community hospitals of Thailand <i>Sakarn Charoensakulchai</i></p> <p>Detection of <i>Burkholderia</i> species in soil and seroprevalence of <i>Burkholderia pseudomallei</i> among agricultural workers in selected townships, Yangon Region <i>Pyae Phyong Aung</i></p> <p><i>B. pseudomallei</i> infections among febrile patients with presumptive leptospirosis <i>Mohammad Ridhuan Mohd Ali</i></p>	<p><i>Nile 3</i></p>
<p>O17_R7: Viral diseases: vaccine targets, diagnostics and control <i>Chairperson: Khuanchai Koompapong</i></p> <p>Broad neutralization of SARS-CoV-2 variants by circular mRNA producing VFLIP-X spike in mice <i>Chotiawat Seephetdee</i></p> <p>Evaluation of the strategies to control SARS-CoV-2 Delta variant spread in New Caledonia, a Zero-COVID country until September 2021 <i>Morgan Mangeas</i></p> <p>Development of circular mRNA vaccines targeting human papillomavirus <i>Muratha Sottatipreedawong</i></p>	<p><i>Nile 4</i></p>

O18_R8: Malaria diagnostics and surveillance tools

Amber 1

Chairperson: Malina Osman

International collaboration on investigator initiated malaria clinical study through academic research organization (ARO): case report

Nattha Kerdsakundee

Malaria prevalence by microscopy, RDT and PCR in five provinces in Mindanao, the Philippines

Pilarita Rivera

Mass screening of asymptomatic and low-density residual malaria in elimination targeted settings in Ethiopia: baseline community survey

Desalegn Nega

Determination of malaria parasites among non-human primates in Peninsular Malaysia

Hani Kartini Agustar

High prevalence and burden of submicroscopic *Plasmodium* infection in Defence Force personnel and civilians residing at three Papua New Guinean military bases

Paul Pickering

The cost-effectiveness of tafenoquine following G6PD screening in Brazil: a transmission model analysis

Angela Devine

Evaluation of malaria surveillance system in Purnia, Bihar, India; 2017–2019

Dileep Kumar

O19_R9: Health promotion and public health

Amber 2

Chairperson: Choosak Nithikathkul

Co-Chairperson: Vickneshwaran Muthu

Training isolated populations in the Amazon to self-diagnose and self-treat for malaria: results of the Malakit operational research study

Maylis Douine

A review of workplace tuberculosis program policies in selected low- and middle- income countries in Asia: implications in the now normal

Evalyn Roxas

Global biodiversity data: potential for research and policy on human diseases

Dmitry Schigel

Mass mortality events generate long-term but asymmetrical effects on terrestrial ecosystems

Abby Jones

Development of touchscreen-based nutrition education tool to promote healthy eating practices among early elderly Thais

Nathakamon Padaweck

Online tools and automation for workplace infectious disease screening and feedback

Maximillian Hills

Effects of curcumin, D-pinitol alone or in combination in cytotoxicity induced by arsenic in PC12 cells

Shiblur Rahaman

**O20_R10: COVID-19: genomics, vaccine targets, vaccination
and its impact on tropical diseases**

Amber 3

Chairperson: Padet Siriyasatien

Genomic tracking of SAR-CoV-2 variants in Myanmar

Khine Zaw Oo/Nay Myo Aung

Variant-PCR proves rapid growth of the delta SARS-CoV-2 variant in Nijmegen: link with source and contact research and sequencing

Bert Mulder

SARS-CoV-2 Serology: usefulness of the combined use of antinucleocapside and anti-spike antibodies

Eva Dopico

Neutralizing antibodies against SARS-CoV-2: a general population cohort study

Thomas Althaus

Maintaining Thailand's 1-3-7 surveillance strategy for malaria despite the threat of COVID-19

Prayuth Sudathip

Impact of the COVID-19 pandemic on malaria in sub-Saharan Africa: a mixed methods study

Anna-Katharina Heuschen

Dynamic of children-related diseases during COVID-19 pandemic in Thailand, 2020-2021

Aneta Afelt

Time	Day 4: Thursday 27 October 2022	
07.00-08.00	Daily registration	
08.00-09.00	Plenary 3: Origin, evolution and present situation of monkeypox <i>Aileen M Marty</i>	<i>Event Hall 98</i>
09.00-10.00	TK17_R1: The future of snakebite care: how can we do better? <i>David Lalloo</i>	<i>Event Hall 98</i>
	TK18_R2: Preventing the next pandemic: the power of a global viral surveillance network <i>Dennis Carroll</i>	<i>Bhiraj Hall 1</i>
	TK19_R3: Role of an antiviral nirmatrelvir/ritonavir during COVID-19 pandemic and beyond <i>Ruangwit Thamaree and Stephen Lin</i>	<i>Bhiraj Hall 2</i>
	TK20_R4: TBA	<i>Bhiraj Hall 3</i>
10.00-10.30	Refreshment	<i>Event Hall 98</i>
10.30-12.00	S41_R1: Novel tools for vector control <i>Chairperson: Nicole L Achee</i> <i>Co-Chairperson: Alongkot Ponlawat</i>	<i>Silk 2</i>
	WHO perspective on the evaluation of novel vector control interventions <i>Lauren Carrington</i>	
	RNAi technology for <i>Aedes</i> -borne virus vector control <i>Keshava Mysore</i>	
	Spatial repellents for <i>Aedes</i> -borne virus and malaria vector control <i>John P Grieco</i>	
	Gene drives for malaria vector control <i>Dickson Wilson Lwetoijera</i>	
	S42_R2: Discovery of blood stage and transmission blocking vaccine candidates <i>Chairperson: Takafumi Tsuboi</i> <i>Co-Chairperson: Rhea Longley</i>	<i>Silk 3</i>
	Asexual blood-stage falciparum malaria vaccine candidate discovery with wheat-germ cell-free system <i>Eizo Takashima</i>	
	Approaches for discovery and validation of asexual blood-stage <i>P. vivax</i> vaccine candidates <i>Rhea Longley</i>	
	CoPoP: a novel and universal delivery platform for malaria vaccine <i>Wei-Chiao Huang</i>	
	Novel malaria transmission-blocking vaccine candidates <i>Kazutoyo Miura</i>	

<p>S43_R3: Panel discussion: Implementation of COVID-19 vaccination: Thailand experiences Silk 4 Moderator: TBA</p> <p style="padding-left: 40px;">Speakers: Sopon Iamsirithaworn Surakameth Mahasirimongkol Kulkanya Chokephaibulkit</p>
<p>S44_R4: Diagnosis of helminthic infections Nile 1 Chairperson: Geoffrey Gobert Co-Chairperson: Poom Adisakwattana</p> <p style="padding-left: 40px;">A droplet digital PCR (ddPCR) workflow for the detection of parasite and intermediate host eDNA in water and soil Geoffrey Gobert</p> <p style="padding-left: 40px;">Transcriptome and secretome of infective stage <i>Gnathostoma spinigerum</i> revealing novel diagnostic targets Poom Adisakwattana</p> <p style="padding-left: 40px;">Next steps of eDNA towards the control of schistosomiasis Marcello Otake Sato</p>
<p>S45_R5: Viral vaccine development and implementation Nile 2 Chairperson: Beth-Ann Coller Co-chairperson: Rapatbhorn Patrapuvich Rathod</p> <p style="padding-left: 40px;">Valneva's Chikungunya vaccine Susanne Eder-Lingelbach</p> <p style="padding-left: 40px;">Two-years immunogenicity and safety of a purified inactivated Zika vaccine candidate and comparison with natural infections Eckhardt Petri</p> <p style="padding-left: 40px;">MSD vaccines for tropical diseases: Ebola and dengue Beth-Ann Coller</p>
<p>S46_R6: Critical care in tropical countries Nile 3 Chairperson: Chairat Permpikul Co-Chairperson: Arjen Dondorp</p> <p style="padding-left: 40px;">Critical care management of severe dengue and dengue shock Abi Beane</p> <p style="padding-left: 40px;">Should tidal volumes be low in all patients? Marcus Schultz</p>

<p>S47_R7: New targets for vaccination in melioidosis Nile 4 <i>Chairperson: Paul J Brett</i> <i>Co-Chairperson: Narisara Chantratita</i></p> <p>Melioidosis subunit vaccines: recent developments and future directions <i>Paul J Brett</i></p> <p>Development of novel melioidosis vaccine using site-specific, single-point attachment of capsular polysaccharides to carrier proteins <i>Caitlyn Orne</i></p> <p>Identification and characterization of novel melioidosis vaccine candidates <i>Mary N Burtnick</i></p>
<p>S48_R8: Elimination of lymphatic filariasis Amber 1 <i>Chairperson: Mark Taylor</i> <i>Co-Chairperson: Louise Kelly-Hope</i></p> <p>How Thailand eliminated lymphatic filariasis as a public health problem <i>Sunsanee Rojanapanus</i></p> <p>Zoonotic filariasis in Thailand <i>Sirichit Wongkamchai</i></p> <p>Operational research to overcome the barriers to lymphatic filariasis elimination <i>Louise Kelly-Hope</i></p> <p>New insights into the pathogenesis of lymphoedema <i>Joseph Turner</i></p>
<p>S49_R9: Snakebite Amber 2 <i>Chairperson: Steve Ward</i> <i>Co-Chairperson: Nicholas Casewell</i></p> <p>The burden of snakebite envenoming <i>Ymkje Stienstra</i></p> <p>Snakebite in Thailand's southern border provinces: clinical survey discloses high incidences of an invisible issue <i>Janeyuth Chaisakul</i></p> <p>Research to meet diverse needs of tropical snakebite victims – the many contributions made by the Kenya Snakebite Research and Intervention Centre <i>George Omondi Oluoch</i></p> <p>The trouble with antivenom <i>Geoffrey Isbister</i></p>

<p>O21_R10: Treatment of malaria infection and drug resistance Amber 3 <i>Chairperson: COL Mathirut Mungthin</i></p> <p>Integrated drug efficacy surveillance for <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> in Thailand <i>Jui A Shah</i></p> <p>Quantifying and preventing <i>Plasmodium vivax</i> recurrences in primaquine-untreated pregnant women: an observational and modeling study in Brazil <i>Rodrigo M Corder</i></p> <p>Cytochrome P450 2D6 profiles and efficacy of Tafenoquine prophylaxis in Australian Defence Force Personnel deployed to East Timor and Papua New Guinea <i>Simone Dowd</i></p> <p>Genetic profile of <i>Plasmodium falciparum</i> antimalarial drug resistance from malaria-endemic areas in the Philippines <i>John Carlo Reyes</i></p> <p>After artemisinin: description of a new generation of antiplasmodials targeting protein aggregation in the parasite as mode of action <i>Xavier Fernandez-Busquets</i></p> <p>Combination treatment with intravenous artesunate and quinine for severe imported malaria in Italy <i>Lorenzo Zammarchi (presented by Flavia Chechi)</i></p> <p>Harnessing a <i>P. falciparum</i> genetic cross in a humanized mouse model to elucidate determinants of antimalarial drug resistance <i>Sachel Mok</i></p>	
12.00-13.00	Lunch Event Hall 98
12.00-13.30	IFTM General Assembly (Invited members only) Silk 1
13.00-14.00	Poster session 3 Event Hall 98
14.00-15.00	<p>TK21_R1: Rickettsial infection Event Hall 98 <i>Nicholas Day</i></p> <p>TK22_R2: Current trends in global zoonoses and emerging infectious diseases Bhiraj Hall 1 <i>Eric D Lombardini</i></p> <p>TK23_R3: Strengthening capacity for research to "Beat NTDs: for Good for All" Bhiraj Hall 2 <i>Yodi Mahendradhata</i></p> <p>TK24_R4: Diagnosis of dengue: challenges, needs and opportunities Bhiraj Hall 3 <i>Moderator: Nopporn Apiwattanakul</i> <i>Speakers: Terapong Tantawichien and Sutee Yoksan</i></p>

15.00-16.30	S51_R1: Ethics, community and public engagement in global health research	<i>Silk 2</i>
	<i>Chairperson: Phaik Yeong Cheah</i> <i>Co-chairperson: Thomas Peto</i>	
	Community engagement, ethics and global health research	
	<i>Bipin Adhikari</i>	
	Singing the song of antibiotics- engagement of community health volunteers through songs to make community aware about antimicrobial resistance	
	<i>Ashata Dahal</i>	
	Using participatory visual methods to explore hidden ethical issues in health research participation	
	<i>Supa-at Asarath</i>	
	Ethics and engagement around human challenge studies	
	<i>Bhensri Naemirach</i>	
	S52_R2: A novel protection against COVID-19 for vulnerable populations	<i>Silk 3</i>
	<i>Chairperson: Weerawat Manosuthi</i>	
	Unmet need in COVID-19 prevention in high-risk patients and the role of long-acting antibody for pre-exposure prophylaxis	
	<i>Weerawat Manosuthi</i>	
	Experience sharing of long-acting antibody use in Singapore and Asia area	
	<i>Bruce Mungall</i>	
	S53_R3: The Armed Forces Research Institute of Medical Science: a sampling of current scientific efforts	<i>Silk 4</i>
	<i>Chairperson: MAJ Erica Lindroth</i>	
	Dynamics of mucosal immune response elicited by systemic prime/boost vaccination	
	<i>Alexandra Schuetz</i>	
	Highly differentiated CD57+NKG2C+NK cells in HIV-1 infection	
	<i>Matt Parsons</i>	
	Field evaluation of transfluthrin treated military materials against Phlebotomine sand flies (Diptera: Psychodidae) in Thailand	
	<i>Alongkot Ponlawat</i>	

S54_R4: Strongyloides-the neglected soil transmitted helminth: a global perspective

Nile 1

Chairperson: Harsha Sheorey

Co-Chairperson: Siddhartha Mahanty

Strongyloidiasis - epidemiology in high- and middle-income countries

Richard Bradbury

Molecular diagnosis of strongyloidiasis and use as an epidemiological tool

Jaco Verweij

Awareness of strongyloidiasis in *Strongyloides stercoralis* and *Strongyloides fuelleborni* in reservoir hosts as a concerning issue in Southeast Asia through molecular epidemiology

Urusa Thaenkham

S55_R5: Kinetoplastid diseases

Nile 2

Chairperson: Frederick S Buckner

Co-Chairperson: Madhubala Rentala

Aminoacyl-tRNA synthetases and their paralogs as novel class of drug targets for treatment of visceral leishmaniasis

Madhubala Rentala

Incomplete recruitment of protective T cells is associated with *Trypanosoma cruzi* persistence in the mouse colon

Martin Taylor

Lead compounds with activity against both Old and New World *Leishmania* parasites

Vicky Avery

Insights into leishmaniasis epidemiology in the United States: September 2021 through July 2022

Fred Buckner

S56_R6: Roles of flies in health

Nile 3

Chairperson: Kabkaew Sukontason

Co-Chairperson: Heo Chong Chin

Carrion ecology and forensic entomology in Malaysia: an update

Heo Chong Chin

Forensic entomology molecular bioinformatics: current concepts, trends and challenges

Yadong Guo (TBC)

Techniques to prepare filth flies specimens for species identification: light microscopy and photography using a digital camera

Sangob Sanit

Mass mortality events generate long-term but asymmetrical effects on terrestrial ecosystems

Abby Kimpton Jones

S57_R7: New targets for intervention in melioidosis

Nile 4

Chairperson: Shelton Wright

Co-Chairperson: Narisara Chantratita

Pulmonary gamma-delta T cells influence the innate immune response during melioidosis pneumonia

Shelton Wright

Safety and immunogenicity testing of melioidosis subunit vaccine in non-human primates

Sineenart Sengyee

Hemolysin co-regulated protein 1 (Hcp-1) variant is associated with decreased virulence and low antigenicity in *Burkholderia pseudomallei*

Sarunporn Tandhavanant

O22_R8: Towards malaria elimination

Amber 1

Chairperson: Yaowapa Maneerat

Profiling of deadliest species of *Plasmodium* a way towards elimination of malaria in India: endemic vs non-endemic region

Amit Kumar

***Plasmodium* population structure in malaria low transmission areas of South America: how close are we to elimination?**

Fabian Saenz

Stamping malaria out of Mayotte Island: the countdown is almost over?

Jean-François Lepère

Seasonal dynamics of *Plasmodium falciparum* asymptomatic reservoir in Sahelian Africa

Jordi Landier

The mosquitoes are everywhere!: a photovoice study to explore the drivers and barriers with communities exposed to *P. knowlesi* malaria infection in Northern Borneo Island

Nurul Athirah Naserrudin

Epidemiology and clinical features of imported malaria to the Czech Republic: a 14-year retrospective single-centre descriptive study

Frantisek Stejskal

O23_R9: Zoonotic diseases: vectors, transmission, control and management

Amber 2

Chairperson: Peerapan Tan-ariya

Molecular identification of *Orientia tsutsugamushi* in a chigger mite isolated from wild caught rodent in Nan Province, Thailand

Piengchan Sonthayanon

The potential involvement of bats (Chiroptera) in enzootic transmission of Japanese encephalitis virus in West Kalimantan, Indonesia

Ajib Diptyanusa

One Health in practice: using Integrated Bite Case Management to increase detection of rabid animals in Tanzania

Kennedy Lushasi

Using biodiversity data to explore emerging zoonotic infectious diseases: trends, challenges and opportunities

Francisca Astorga

O24_R10: Parasite diagnosis

Amber 3

Chairperson: Tawin Inpankaew

**Detection of *Plasmodium knowlesi* infection by the
Sysmex XN-31 automated analyser**

Angela Siner

**Automated malaria detection using a novel flow
cytometry based hematology analyser**

Shanaz Khodaiji

**Expanding access to safe radical cure: integrating
quantitative G6PD testing into *P. vivax* malaria case
management in Lao PDR**

Timothy Finn

**Microscopy, telemedicine and artificial intelligence for
the improvement of the blood parasite diagnosis**

José M Rubio

16.30-17.00 Refreshment

Event Hall 98

Time	Day 5: Friday 28 October 2022
09.00-10.30	<p>S58_R1: Control of zoonotic diseases, with emphasis on the One Health approach <i>Chairperson: Jong-Yil Chai</i></p> <p>One Health and schistosomiasis <i>Malcolm Jones</i></p> <p>Focusing on lymnaeid snail vectors in experimental and field studies within a One Health action in human fascioliasis hyperendemic areas <i>Maria Dolores Barges</i></p> <p>Large multidisciplinary complexity of experimental studies and field surveys in a One Health initiative on fascioliasis in a human endemic area <i>Santiago Mas-Coma</i></p>
	<p>S59_R2: Fluke Free Thailand <i>Chairperson: Watcharin Loilome</i> <i>Co-Chairperson: Paiboon Sithithaworn</i></p> <p>Result of ultrasound screening for cholangiocarcinoma in Thailand: experience from CASCAP, KKU <i>Vallop Laopaiboon</i></p> <p>Digital innovations for combating cholangiocarcinoma in Thailand (Isan cohort) <i>Kavin Thinkhamrop</i></p> <p>Urine assay for opisthorchiasis: new tool for screening and assessment of treatment outcome <i>Paiboon Sithithaworn</i></p> <p>Roles of community participation in the prevention of opisthorchiasis and cholangiocarcinoma <i>Sutthinun Boonmee</i></p>

S60_R3: Ivermectin mass drug administration for malaria elimination: preliminary results

Silk 4

Chairperson: Kevin C Kobylinski

Co-Chairperson: Jetsumon Sattabongkot Prachumsri

Overview of ongoing mass drug administration trials

Kevin C Kobylinski

Results from Burkina Faso, ivermectin MDA to humans combined with seasonal malaria chemoprophylaxis (RIMDAMALII)

Brian D Foy

Mass drug administration of ivermectin and dihydroartemisinin-piperaquine against malaria in settings with high coverage of standard control interventions: a cluster-randomised controlled trial in the Gambia

Umberto D'Alessandro

Entomological impact of ivermectin mass drug administration to humans in southern Thailand

Narenrit Wamaket

Results from Vietnam, ivermectin mass administration to cattle (ZAIVE)

Andrew Lover

S61_R4: Malaria elimination in the GMS and the GF RAI initiative

Nile 1

Chairperson: Arjen Dondorp

Co-Chairperson: Luciano Tuseo

Malaria elimination in the GMS and the GF RAI Initiative

Luciano Tuseo

Malaria elimination in Thailand

Prayuth Sudathip

The last mile to malaria elimination: implementing aggressive interventions in Cambodia

Celine Christiansen-Jucht

	<p>S62_R5: Meeting the challenge of outdoor and residual malaria transmission in the Indo-Pacific IVCC <i>Chairperson: Alongkot Ponlawat</i> <i>Co-Chairperson: Jason Richardson</i></p> <p>Expanding the toolbox for malaria vector control: The IVCC Indo-Pacific Initiative <i>Fred Yeomans</i></p> <p>A series of semi-field studies using multiple biological endpoints to evaluate the personal and community protective efficacy of pyrethroid based bite prevention vector control tools <i>David McIver</i></p> <p>Modelling the impact of novel vector control interventions on malaria transmission based on semi-field and field data <i>Nakul Chitnis</i></p> <p>Building a framework for the rapid assessment and adoption of novel vector control tools in PNG <i>Stephan Karl</i></p>	Nile 2
	<p>S63_R6: Innovation and initiatives for malaria elimination in Thailand <i>Chairperson: Rungrawee Tipmontree</i> <i>Co-Chairperson: Panupong Kowsurat</i></p> <p>Utilization of M-Health application for malaria elimination <i>Suravadee Kitchakarn</i></p> <p>Webscope for malaria diagnosis <i>Aungkana Saejeng</i></p> <p>Malaria knowlesi with One Health scheme <i>Apinya Niramitsantipong</i></p>	Nile 3
10.30-11.00	Refreshment	Event Hall 98
11.00-12.00	<p>Closing keynote lecture: How the treatment of malaria has changed over the past century <i>Sir Nicholas White</i></p>	Event Hall 98
12.00-12.30	Closing ceremony	Event Hall 98
	<p>Closing remarks <i>Tamar Ghosh</i> <i>Malcolm Jones</i> <i>Pratap Singhasivanon</i></p>	
12.30-13.30	Lunch	Event Hall 98

POSTER PRESENTATION

Abstract No.	Title	Presenting author	E-mail address	Log No.
Theme: Malaria				
Sub-theme: Epidemiology				
IC20-00004	An outbreak investigation of <i>Plasmodium vivax</i> and <i>Plasmodium malariae</i> in Ranong, Southern Thailand	Suriyo Chujun	chujun_yo@hotmail.com	P01-001-01
IC20-00216	Mobility patterns of various occupations as they relate to malaria along the Thai-Myanmar border	Chaitawat Sa-Ngamuang	chaitawat.chat@gmail.com	P01-001-02
IC20-00225	Spatial analysis of malaria situation using geographic information system in Sisaket Province, Thailand	Sutthisak Noradee	pum_satha@yahoo.com	P01-001-03
IC20-00191	Prevalence of malaria in WInnebe, Effutu Municipality, central region, Ghana	Samuel Yaw Agyemang-Badu	nanayawbadu45@gmail.com	P01-001-04
IC20-00077	Analysis of the trend of malaria indicators between 2013-2017 in Nepal	Sagun Paudel	mail4sagun@gmail.com	P01-001-05
IC20-00063	Regional disparities of malaria incidence in Eastern Indonesia	Mara Ipa	tiarmara@gmail.com	P01-001-06
IC20-00277	Saturated pluviometry as explanatory variable to forecast malaria incidence in three endemic regions of Senegal	Ousmane Diao	ousmane.diao@uclouvain.be	P01-001-07
IC20-00439	A health survey revealing prevalence of vector borne disease and tuberculosis in Papua New Guinea Defence Force personnel and families of military bases	Fiona McCallum	fionamccallum@hotmail.com	P01-001-08

Sub-theme: Elimination				
IC20-00166	Defeating malaria in the North-East: the forerunner for malaria elimination in India	Vas Dev	mrcassam@hotmail.com	P01-002-01
IC20-00214	Three new weapons for fast malaria elimination	Guoqiao Li	117231216@qq.com	P01-002-02
IC20-00507	Implementation of reactive case detection (RACD) and possible alternatives in countries of the Greater Mekong Subregion (GMS)	Rafael Jairah Jr Matoy	rjjrmatoy@clintonhealthaccess.org	P01-002-03
IC20-00498	Regular subnational data reviews in CHAI-supported provinces in Cambodia advance progress towards malaria elimination	Mary Hahm	mhahm@clintonhealthaccess.org	P01-002-04
Sub-theme: Clinical manifestations and complications				
IC20-00012	The study of complication of <i>Plasmodium vivax</i> malaria in western coast of India	Hemanand S P	vpmedicalcenter@gmail.com	P01-003-01
IC20-00032	Overweight and obesity as protective factors in severe falciparum malaria	Polrat Wilairatana	polrat.wil@mahidol.ac.th	P01-003-02
IC20-00108	Clinical and haematological features of severe <i>P. falciparum</i> , <i>P. vivax</i> and mixed infection patients in Mangaluru, a southwestern coastal city of India	Rajeshwara Achur	rajachur@gmail.com	P01-003-03
IC20-00029	Anemia and plasmodiasis among pregnant women in Otto Ijanikin Primary Health Centre, Otto-Ijanikin, Lagos	Babasola Ajayi	ajayibabasola@yahoo.com	P01-003-04
IC20-00141	Prevalence of <i>Plasmodium falciparum</i> and its impact on haematological parameters in children attending LAUTECH Teaching Hospital Osogbo, Osogbo	Oloyede Samuel Bolaji	osbolaji@lautech.edu.ng	P01-003-05
IC20-00143	Prevalence of <i>Plasmodium falciparum</i> and impact of malaria on haematological parameters in children at LAUTECH teaching hospital, Osogbo, Nigeria	Richard Ojedele	richardjune121988@gmail.com	P01-003-06
IC20-00389	Malaria in pregnant women	Rohayat Bilmahdi Simanjuntak	dr.rohayatbilmahdis@gmail.com	P01-003-07

Sub-theme: G6PD				
IC20-00235	Facility-based evaluation of a point-of-care standard G6PD test to detect G6PD deficiency in Eastern India	Sampa Pal	spal@path.org	P01-004-01
IC20-00204	Functional and structural characterization of glucose-6-phosphate dehydrogenase deficiency variants	Phonchanan Pakparnich	bethenutt@gmail.com	P01-004-02
Sub-theme: Pathology and pathogenesis				
IC20-00210	Lung pathology in severe malaria: histopathological, immunohistochemical, and electron microscopic studies	Sumate Ampawong	sumate.aum@mahidol.ac.th	P01-005-01
IC20-002047	Malaria serum-induced alteration of actin in endothelial cells	Supattra Glaharn	supattra.gla@mahidol.ac.th	P01-005-02
IC20-00222	<i>Plasmodium falciparum</i> EBA-181 ligand-searching for a receptor	Ewa Jaśkiewicz	ewa.jaskiewicz@hirszfeld.pl	P01-005-03
IC20-00248	The proteomic comparison of extracellular vesicles derived from <i>Plasmodium falciparum</i> infected red blood cells during growth development	Ladawan Khowawisetsut	ladawan.kho@mahidol.edu	P01-005-04
IC20-00101	Sequestration of infected erythrocyte, monocyte, and parasite pigment are related with fetal low birth weight (LBW) from pregnant women with <i>Plasmodium vivax</i> infection in Nusa Tenggara Timur	Nabila Erina Erwan	nabilaerina2468@gmail.com	P01-005-05
IC20-00231	Malaria, <i>Plasmodium vivax</i> , EphA2, invasion, sporozoite	Sittinont Chainarin	sittinont.c@gmail.com	P01-005-06
IC20-00459	Investigating aquaporin-1 in choroid plexus of post mortem cerebral malaria patients	Charit Srisook	charit.sri@mahidol.ac.th	P01-005-07

IC20-00592	High throughput screening of human genetic determinants associated with malarial disease outcomes using custom targeted amplicon sequencing	Ashley Osborne	ashley.osborne@lshtm.ac.uk	P01-005-08
Sub-theme: Immunology				
IC20-00046	Role of regulatory B cell (Bregs) in pathogenesis of malaria	Meenu Kalkal	meenukalkal@gmail.com	P01-006-01
IC20-00129	Characterization of natural immune response and B-cell repertoire in individuals from a <i>Plasmodium vivax</i> endemic region	Najara Bittencourt	najaracb@hotmail.com	P01-006-02
IC20-00461	Expression of B cell receptors related to the BAFF/APRIL system in spleen of fatal <i>Plasmodium falciparum</i> malaria patients	Wilanee Dechkhajorn	wilanee.dec@mahidol.ac.th	P01-006-03
IC20-00091	T cell epitope mapping and immunophenotyping of circulating Tfh and Tfr cells in samples from individuals with vivax malaria	Natália Soares Ferreira	nataliasf@usp.br	P01-006-04
IC20-00261	Interaction between Epstein-Barr Virus (EBV) and malaria parasites to dysregulate the immune system: quantitative measurement of EBV genome and cytokine levels of TNF- α , IFN- γ , IL-10 and TGF- β in malaria patients and controls	Insani Budiningsih	insanibrielz99@gmail.com	P01-006-05
IC20-00574	Development of therapeutic monoclonal antibodies for <i>P. falciparum</i> malaria	Jenna Zuromski	jenna_zuromski@brown.edu	P01-006-06
Sub-theme: Vaccine				
IC20-00356	Development of circular mRNA vaccines targeting <i>Plasmodium vivax</i>	Thitipa Thosapornvichai	thitipa.pim@gmail.com	P01-007-01
IC20-00354	Characterization of the cysteine-rich small secreted (CSS) protein as a vaccine candidate against <i>Plasmodium</i>	Xiomara Alexandra Gaitán	alexag2004@hotmail.com	P01-007-02

Sub-theme: Diagnosis				
IC20-00126	Development of assay for malaria diagnosis using a novel <i>Plasmodium falciparum</i> antigen	Lokesh Kori	drlokeskori@gmail.com	P01-008-01
IC20-00115	Factors attributed to the performance of rapid diagnostic test (RDT) and microscopy in accurate diagnosis of malaria using polymerase chain reaction (PCR) as a reference standard	Hari Shankar	hshankar6127@gmail.com	P01-008-02
IC20-00241	A quantitative real time RT-PCR assay for the detection of <i>Plasmodium falciparum</i> gametocytes in Thai clinical samples	Sasikanya Thaloengsok	aomsasii@gmail.com	P01-008-03
IC20-00372	An automated microscopic malaria parasite detection system using artificial-intelligence assisted malaria detected program	Chris Gunwoo Kim	iamdrchris@hanmail.net	P01-008-04
IC20-00178	Assessment of intraerythrocytic development of <i>Plasmodium falciparum</i> using a monochromatic flow cytometric assay	Kasem Kulkeaw	kasem.kuk@mahidol.edu	P01-008-05
IC20-00500	Evaluation of the malaria detection performance of XN-31 prototype, the automated hematology analyzer, conducted at outpatient clinic in Mahidol University in Thailand	Miki Kawaguchi	Kawaguchi.Miki@sysmex.co.jp	P01-008-06
IC20-00441	Development of deep learning methods for erythrocytic <i>Plasmodium</i> detection	Kuttayawan Wannoo	kuttayawan@gmail.com	P01-008-07
IC20-00427	Optimization and assessment of a combined system of a simple and fast purification method with a lyophilized dual-LAMP assay for malaria diagnosis	Alexandra Martín Ramírez	sandra.martin.ramirez@gmail.com	P01-008-08
IC20-00154	Inhibitory effects of KAE609 and KAF156 on cytoadhesion of <i>Plasmodium falciparum</i>	Srisuda Keayarsa	srisuda.kea@mahidol.ac.th	P01-008-09

IC20-00375	The interaction of malarial cysteine proteases, falcipains, with their natural substrate hemoglobin and endogenous inhibitor falstatin	Rahul Pasupureddy	rahul@mrcindia.org	P01-008-10
IC20-00088	Screening the pathogen box for molecules active against <i>Plasmodium</i> sexual stages using a new nanoluciferase-based transgenic line of <i>P. berghei</i> identifies transmission-blocking compounds	Juliana Calit	julianaacalit@gmail.com	P01-008-11
IC20-00061	Antimalarial activity of combination therapy of methanolic leaf extracts of <i>Anogeissus leiocarpus</i> and <i>Terminalia avicennioides</i> on <i>Plasmodium berghei</i> infected mice	Olusegun Akanbi	olusegun.akanbi@aaua.edu.ng	P01-008-12
IC20-00047	Antimalarial activity, cytotoxicity and GC-FID assessment of <i>Allanblackia floribunda</i> stem fractions	Francis Irabor	francis.irabor4@gmail.com	P01-008-13
IC20-00472	Identification of malaria transmission blocking agents from Thai natural products	Kanthinich Thima	kanthinich.thi@mahidol.edu	P01-008-14
IC20-00463	High-throughput screening of Thai natural products for potential antimalarial activity	Phongthon Kanjanasirirat	phongku1232@gmail.com	P01-008-15
IC20-00107	QSAR-driven discovery of natural compound-derived molecules as promising antimalarial candidates	Leticia Tiburcio Ferreira	ltiburciof@gmail.com	P01-008-16
IC20-00056	Identification of potential antimalarial alkaloids and terpenoids from African medicinal plants using in silico <i>Plasmodium falciparum</i> protein-ligand interactions	Kayode Adewole	kayowolemi@gmail.com	P01-008-17
IC20-00324	Herb extract inhibits the growth of <i>Plasmodium</i> parasites by platelet regulation	Youn-Kyoung Goo	kuku1819@knu.ac.kr	P01-008-18

Sub-theme: Drug resistance				
IC20-00187	Molecular surveillance of dihydroartemisinin-piperaquine resistance markers in Thailand	Khine Nwe Win	khinenwewin1@gmail.com	P01-009-01
IC20-00273	Identification of potent lead inhibitor against <i>Plasmodium falciparum</i> (Pf) kelch13-protein in artemisinin resistant malaria	Priyanka Verma	priyankaverma60@gmail.com	P01-009-02
IC20-00033	Spread of multidrug-resistant <i>Plasmodium falciparum</i> malaria and predictors of treatment failures in Vietnam	Minh Cuong Duong	minh.duong@unsw.edu.au	P01-009-03
IC20-00059	Constructing a response surface for sulfadoxine-pyrimethamine in 'fully sensitive' and 'super resistant' <i>Plasmodium falciparum</i> to evaluate the extent of synergy	Gasim Abd-Elfarag	gasim4u83@gmail.com	P01-009-04
IC20-00260	Flow cytometry evaluation of dormant <i>Plasmodium falciparum</i> parasites against artemisinin-based combination therapy	Rosa Del Carmen Miluska Vargas Rodriguez	miluz_vr@hotmail.com	P01-009-05
IC20-00457	Adapted Thai <i>Plasmodium falciparum</i> isolate carrying K13C580Y retains high transmission potential in <i>Anopheles dirus</i>	Tachin Khulmanee	tachin.khu@gmail.com	P01-009-06
IC20-00330	Detection of single nucleotide polymorphism (SNP) in Pvmdr1 gene associated with chloroquine drug resistance in <i>P. vivax</i> by using loop mediated isothermal amplification (LAMP)	Davinder Kaur	davinderchechi95@gmail.com	P01-009-07

Sub-theme: Treatment and pharmacokinetics				
IC20-00075	Monitoring the efficacy and safety of artemisinin-based combination therapies: a review of anti-malarial therapeutic efficacy trails in Cameroon	Solange Whegang Youdom	whegang@gmail.com	P01-010-01
IC20-00042	Sustained-release liquisolid compacts of lumefantrine-artemether as alternate-day-regimen for malaria treatment to improve patient compliance	Ugwu Agatha	agathmary5@gmail.com	P01-010-02
IC20-00160	Lumefantrine-loaded solid dispersions prepared by acid base interaction using ascorbic acid and citric acid for improved antimalarial activity	Onyinyechi Lydia Ugorji	Lydia.ugorji@unn.edu.ng	P01-010-03
IC20-00052	Development of self-emulsifying liquid formulations of artemether for improved antimalarial efficacy	Njideka Ani	njideka.ifeoma@gmail.com	P01-010-04
IC20-00253	UPLC-MSMS method development and validation for 9 antimalarial drugs and its metabolites simultaneously in human plasma	Winita Ta-aksorn	winitat.ca@afirms.org	P01-010-05
IC20-00254	Evaluation of high-dose ivermectin and chloroquine pharmacokinetics in <i>Plasmodium cynomolgi</i> -infected Rhesus Macaques	Chanikarn Kodchakorn	chanikarnk.ca@afirms.org	P01-010-06
Sub-theme: <i>Plasmodium</i> genetics				
IC20-00027	Genetic changes of <i>P. vivax</i> tempers host tissue-specific responses in <i>Anopheles stephensi</i>	Seena Kumari	cnayadav11@gmail.com	P01-011-01
IC20-00397	Genetic polymorphisms and natural selection of the erythrocyte binding protein-175 in the <i>Plasmodium falciparum</i> populations from Vietnam and Myanmar	Tuan Cuong Vo	vtcuong241@gmail.com	P01-011-02
IC20-00402	Identification and characterization of <i>Plasmodium falciparum</i> and <i>Plasmodium knowlesi</i> 's sexual forms using single cell RNA sequencing	Roberto Moraes Barros	Moraes.barros@unifesp.br	P01-011-04

IC20-00517	Population dynamics and genomic variation of <i>Plasmodium falciparum</i> malaria parasites from asymptomatic individual in and around Ouelessebougou, Mali	Leen Vanheer	leen.vanheer@lshtm.ac.uk	P01-011-05
IC20-00181	Genetic diversity of <i>Plasmodium knowlesi</i> isolates from central and southern regions, Thailand	Sirasate Bantuchai	sirasate.ban@mahidol.ac.th	P01-011-06
Sub-theme: Others				
IC20-00181	The nanoworld of malaria parasite	Urai Chaisri	urai.cha@mahidol.ac.th	P01-012-01

Theme: Protozoa				
Sub-theme: Intestinal protozoa				
IC20-00277	Survey on prevalence rate of <i>Cryptosporidium</i> infection in stockmen of Boukan City	Ousmane Diao	ousmane.diao@uclouvain.be	P02-001-01
IC20-00339	Genetic characterization of <i>Cryptosporidium</i> from humans and animals to study the zoonotic transmission potential in north India	Shabnam Thakur	shabnamthakur62@gmail.com	P02-001-02
IC20-000002	Investigation of various gastrointestinal protozoa among indigenous children using untreated water for living in Malaysia	Mehru Nisha	mehrunisha@unikl.edu.my	P02-001-03
IC20-00133	Novel multi-locus genotypes of <i>Giardia duodenalis</i> isolates among children in rural communities in Southern Palawan, Philippines	Jeanne Briones	jgbriones@up.edu.ph	P02-001-04
IC20-00247	Survey on prevalence rate of sarcocystosis in slaughtered sheep in Miane City by digestive and macroscopic method	Sohrab Rasouli	sohrab_rasouli86@yahoo.com	P02-001-05
IC20-00452	6 years analysis of serological characteristics of <i>Entamoeba histolytica</i> infections seen in cases suspected of amoebiasis	Mohd Adilin Yaacob	mdadilin@gmail.com	P02-001-07
IC20-00548	Differential detection of <i>Entamoeba</i> species, their clinical and management profile in varied clinical groups in a tertiary care centre in North India	Rakesh Sehgal	sharmadebu95@gmail.com	P02-001-08
IC20-00577	Molecular identification of <i>Cryptosporidium</i> spp in reptiles in central part of Thailand	Chantira Sutthikornchai	chantira.sut@mahidol.edu	P02-001-09
IC20-00481	Molecular detection of <i>Entamoeba dispar</i> from water samples in Thailand	Pongruj Rattaprasert	pongruj.rat@mahidol.ac.th	P02-001-10

Sub-theme: <i>Toxoplasma</i>				
IC20-00117	Relationship between the use of personal protective equipment and anti-toxoplasmic seroprevalence in individuals with contact history with farm animals in Batu City, East Java, Indonesia	Dearikha Karina Mayashinta	dea.rika@ub.ac.id	P02-002-01
IC20-00200	A dense granule protein of <i>T. gondii</i> , GRA16, overcomes chemo-resistance of irinotecan through a direct PP2A increase and NF- κ B inhibition in non-small-cell lung carcinoma cells	Eun-Hee Shin	ehshin@snu.ac.kr	P02-002-02
IC20-00264	Management of hydrocephalus in congenital toxoplasmosis using pyrimethamine and sulfonamide: a systematic review	Sarah Waicus	waicuss@tcd.ie	P02-002-03
IC20-00580	Cytotoxicity of <i>Ageratum</i> weeds on Vero cells	Khuanchai Koopapong	khuanchai.koo@mahidol.edu	P02-002-04
Sub-theme: <i>Leishmania</i>				
IC20-00067	Awareness and measures to contain leishmaniasis: an emergent epidemic in Northern Pakistan	Usma Iftikhar	usmaiftikhar@gmail.com	P02-003-01
IC20-00120	PI-3 kinase mediated regulation of host arginase pathway promotes intracellular survival of <i>Leishmania donovani</i>	Abhishek Mandal	abhibiochem1984@gmail.com	P02-003-02
Sub-theme: Free living <i>Amoeba</i>				
IC20-00393	Amoebicidal activity of <i>Phragmites australis</i> (Cav.) Trin. ex Steud. extract in <i>Acanthamoeba castellanii</i>	Huong Giang Le	gianglee291994@gmail.com	P02-004-01
IC20-00394	Anti-amoebic effect of <i>Pinus densiflora</i> leaf extract on brain-eating amoeba <i>Naegleria fowleri</i>	Byoung-Kuk Na	bkna@gnu.ac.kr	P02-004-02
IC20-00293	Establishment of a Cre-loxP system for gene manipulation in <i>Acanthamoeba</i>	Yeonchul Hong	ychong@knu.ac.kr	P02-004-03

Theme: Helminths				
Sub-theme: Soil-transmitted helminths				
IC20-00020	Prevalence of parasitic infection among the children in Bhaktapur, Nepal	Sunita Neupane	sunitaneupane127@gmail.com	P03-001-01
IC20-00156	Evaluation of combined school-based deworming interventions on soil-transmitted helminths in Visale Community	June-Der Lee	judele@kmu.edu.tw	P03-001-02
IC20-00085	Low awareness of soil transmitted helminthiasis in expectant mother in Malang, Indonesia	Yulia Dwi Setia	dr.yulia.fk@ub.ac.id	P03-001-03
Sub-theme: Schistosoma				
IC20-00276	Update of human schistosomiasis prevalence, in Poso Regency, Central Sulawesi Province, Indonesia	Anis Nur Widayati	anisnurw21@gmail.com	P03-002-01
IC20-00423	Transmission foci and planorbid snail vectors underlying autochthonous urinary schistosomiasis cases in southern Spain	María Dolores Barges	m.d.barges@uv.es	P03-002-02
IC20-00081	Determination of major causative agents of cercarial dermatitis in Vietnam	Thi Dung Bui	dungbt.iebr@gmail.com	P03-002-03
IC20-00227	Ecology of <i>Neotricula aperta</i> , snail intermediate host of <i>Schistosoma mekongi</i> inhabited in Mekong River, Thailand	Phiraphol Chusongsang	phiraphol.chu@mahidol.ac.th	P03-002-04
IC20-00144	Mixed infection of <i>Schistosoma haematobium</i> and <i>Schistosoma mansoni</i> in Osun State Nigeria: assessment in human samples	Johnson Adeyemi Ojo	johnnyem13@gmail.com	P03-002-05

Sub-theme: <i>Echinococcus</i>				
IC20-00104	Reaction of hydatid cyst wall antisera with human breast cancer tissues	Azar Balouti Dehkordi	azar.balouti@resident.mui.ac.ir	P03-003-01
IC20-00184	Human echinococcosis in Western Mongolia	Giimaa Narantsogt	giimaa.n@mnums.edu.mn	P03-003-02
IC20-00347	Cystic echinococcosis: a neglected parasitic zoonoses in Bangladesh	Moizur Rahman	moizur@ru.ac.bd	P03-003-03
Sub-theme: Zoonotic helminths				
IC20-00150	Seroprevalence of meat-borne parasites in native pigs and risk factor analysis in selected backyard farms in Quezon Province, Philippines	Modesto Jr Bandal	modbandal@gmail.com	P03-004-01
IC20-00193	Assessment of people's knowledge on angiostrongyliasis using a video media	Panyawat Boontanom	panyawat.boo@mahidol.edu	P03-004-02
IC20-00093	Morphological and molecular characteristics of <i>Angiostrongylus cantonensis</i> Chen <i>et al</i> , 1935 from Bac Ninh and Hung Yen Provinces, Vietnam	Van Hien Hoang	hieniebr@gmail.com	P03-004-03
IC20-00199	Production of a recombinant protein for serodiagnosis of human gnathostomiasis	Tipparat Thiangtrongjit	tipparat.thi@mahidol.ac.th	P03-004-04
IC20-00458	Excretory-secretory products from third stage <i>Gnathostoma spinigerum</i> larvae involves immune evasion strategies in human gnathostomiasis	Yaowapa Maneerat	yaowapa.man@mahidol.ac.th	P03-004-05
IC20-00508	Blood biomarkers for the detection and prevention of neurological disorder risk in fascioliasis patients	Santiago Mas-Coma	s.mas.coma@uv.es	P03-004-06
IC20-00516	The first human case of rhabditiasis in Bangladesh	Hansol Park	yes.hansol@gmail.com	P03-004-07
IC20-99002	Detection of <i>Opisthorchis viverrini</i> by using environmental DNA	Riko Matsuo	ric_o@icloud.com	P03-004-08

Sub-theme: Filaria				
IC20-00137	<i>Loa loa</i> and <i>Onchocerca volvulus</i> co-endemicity in Western Nigeria and the role of human ficolin-2 in susceptibility to <i>Lao lao</i> infection	Akeem Akindele	aaakindele@lautech.edu.ng	P03-005-01
IC20-00134	Transmission assessment survey failure in ASEAN countries: a challenge towards elimination of lymphatic filariasis	Meuthika Noor Fitriyana	meuthika.noor.f@gmail.com	P03-005-02
IC20-99001	PacELF ENDGAME Project: Lymphatic filariasis elimination in the Pacific	Peter Leggat	Peter.leggat@jcu.edu.au	P03-005-03
IC20-00371	Evaluation of recombinant antigens for serodiagnosis of loiasis	Belen Gonzalez-Bertolin	Belen Gonzalez-Bertolin	P03-005-04

Theme: Bacterial infections				
Sub-theme: Tuberculosis				
IC20-00281	Performance evaluation of a loop-mediated isothermal amplification and nucleic acid lateral flow method (LAMP-NALF) for detection of <i>Mycobacterium tuberculosis</i>	Chae Seung Lim	malarim@korea.ac.kr	P04-001-01
IC20-00429	Coordinated in vitro release of granulysin, perforin, and IFN- γ in TB and HIV/TB coinfection associated with clinical outcomes before and after anti-TB therapy	Nada Pitabut	nada.pi@kmitl.ac.th	P04-001-02
IC20-0074	Barriers in the access, diagnosis and treatment completion for tuberculosis patients in central and western Nepal: a qualitative study among patients, community members and health care workers	Bipin Adhikari	biopion@gmail.com	P04-001-03
IC20-00009	Predictors of delay in treatment initiation among multidrug resistant tuberculosis patients at Yangon Regional Tuberculosis Centre, Myanmar	Ye Minn Htun	dryeminnhtun85@gmail.com	P04-001-04
IC20-00116	Yield of contact tracing in TB cases identification in Asia: review article	Ashmita Ghimire	ashmi.gr8@gmail.com	P04-001-05
IC20-00606	Exploring inter-regulatory gene network derived candidate genes imparting resistance in <i>Mycobacterium tuberculosis</i>	Muhammad Ahsan Naeem	muhammadahsannaem@ymail.com	P04-001-06

Sub-theme: Leptospirosis				
IC20-00123	Geospatial risk prediction of human leptospirosis in two major river basins in China: framework for elimination	Pandji Wibawa Dhewantara	p.dhewantara@gmail.com	P04-002-01
IC20-00158	Seroprevalence of leptospirosis among presumptive malaria patients in a secondary health facility in Oyo State, Southwest Nigeria	Mathias Besong	drbisong@yahoo.com	P04-002-02
IC20-00527	Seroprevalence and serovar distribution of leptospirosis among healthy people in Vietnam: results from a multi-center study	Phuong Dung Luu	topaze1527@gmail.com	P04-002-03
IC20-00286	DNA aptamer selection through cell-SELEX for the detection of leptospirosis	Chembie Almazar	caalmazar@up.edu.ph	P04-002-04
IC20-00086	Development and validation of an in-house ELISA diagnostic assay using locally isolated <i>Leptospira</i> in the Philippines	Florence Giannina San Juan	jannysanjuan@gmail.com	P04-002-05
IC20-00496	A simplified MLST scheme for direct typing of <i>Leptospira</i> spp from clinical samples	Windell Rivera	wlrivera@up.edu.ph	P04-002-06
IC20-00553	Application of leptospiral novel peptide biomarkers in lateral flow immunoassay for detection of acute leptospirosis	Siti Ramli	roszilawati@moh.gov.my	P04-002-07
IC20-00581	<i>Leptospira</i> surveillance in primary host and environmental reservoirs of military training sites, Thailand	Kasima Wasuworawong	kasimaw.ca@afirms.org	P04-002-08

Sub-theme: Other bacterial infections				
IC20-00008	The clinical and subclinical feature of shigellosis disease in National Hospital for Tropical Diseases	Thang Dinh	dinhthang101189@gmail.com	P04-003-01
IC20-00003	Identification of <i>Burkholderia pseudomallei</i> clinical isolates by Vitek2 and RapID NF plus in Myanmar	Nay Myo Aung	naymyoang.microbiology@gmail.com	P04-003-02
IC20-00249	Characterization of <i>Arcobacter butzleri</i> isolated from human diarrheal, non-diarrheal, and food samples in Thailand	Paksathorn Kietsiri	paksathornk@afirms.org	P04-003-03
IC20-00054	Seroprevalence and risk factors of human brucellosis among febrile patients visited health institutes at Awra and Gulina District, Afar Region, Ethiopia	Biruk Z Habtemariam	Biruk.zerfu@aau.edu.et	P04-003-04
IC20-00159	Evaluation of microbiological and clinic-epidemiological profile of infective endocarditis at a center in Eastern Nepal	Sohani Bajracharya	bjr.sohani@gmail.com	P04-003-05
IC20-00250	National seroprevalence of rickettsial diseases among young Thai men	Siriphan Gonwong	siriphang@afirms.org	P04-003-06
IC20-00382	Evaluating the efficacy of <i>Clostridium butyricum</i> <i>miyairi</i> 588 in the clinical improvement of colitis and diarrhea in <i>Rhesus macaques</i>	Moriah Jackson	moriahejackson@gmail.com	P04-003-07
IC20-00545	Risk factors associated with street food consumption in Dhaka, Bangladesh	Priyanka Barua	baruap@du.ac.bd	P04-003-08
Sub-theme: Antimicrobial activity and resistance				
IC20-00317	Antimicrobial resistance of <i>Salmonella enterica</i> isolated from feces of <i>Gallus gallus domesticus</i> in a selected farm in the Philippines	Maria Margarita Lota	mmlota@up.edu.ph	P04-004-01
IC20-00291	Detection of antibiotic resistance genes in <i>Bacteriodes</i> spp isolates from feces of Philippine livestock duck	Christian Jordan Dela Rosa	christian.jordan.delarosa@gmail.com	P04-004-02

IC20-00149	Study on the outcome after implementing antimicrobial stewardship program in a tertiary hospital	Izzati Abdul Halim Zaki	izzatizaki@gmail.com	P04-004-03
IC20-00022	Multidrug resistant bacteria in hospital wards of tertiary care hospital and the antibiogram of the isolates	Subas Subedi	subphysics22@gmail.com	P04-004-04
IC20-00060	Prevalence of asymptomatic urinary tract infection, major causal agents and their antimicrobial susceptibility among pregnant women in Addis Ababa, Ethiopia	Ketema Bizuwork Gebremedhin	ketema.bizuwork@aau.edu.et	P04-004-05
IC20-00013	Etiology and drug resistance in enteric fever: ten years retrospective study from tertiary care center of Western Nepal	Dharm Raj Bhatta	ddharma2039@gmail.com	P04-004-06
IC20-00342	Design, synthesis and quorum quenching potential of novel catechol-zingerone conjugate to find an elixir to tackle <i>Pseudomonas aeruginosa</i> through Trojan horse strategy	Surabhi Mangal	Surabhimangal1693@gmail.com	P04-004-07

Theme: Viral infections				
Sub-theme: HIV/AIDS				
IC20-00146	Health related quality of life among HIV affected individuals- a cross sectional study	Asmin Sha	docasminsha@gmail.com	P05-001-01
IC20-00053	Strategies to elimination barriers to male involvement in option B+ PMTCT programs in low middle-income countries (LMICs)	Emmanuel Chongwe	chongweemma@yahoo.com	P05-001-02
IC20-00125	Common infections at uncommon site in early diagnosis of human immunodeficiency virus infection	Deepa Chudal	deepa_smile@hotmail.com	P05-001-03
IC20-00220	Metabolic disorders in adults living with HIV receiving first line antiretroviral regime	Kyaw Soe Htun	kyawsoehtun20@gmail.com	P05-001-04
IC20-00083	A clinical study on monitoring the response to antiretroviral drugs with factors contributing to HIV/AIDS epidemic and antiretroviral therapy switch to second line regimen in Nepal	Subas Subedi	subasalok@gmail.com	P05-001-05
IC20-00023	Hepatitis B and C viral co-infections among HIV-1 infected individuals in South Kerala, India	Sabin Katpattil	siddiqekp1982@gmail.com	P05-001-06
Sub-theme: Viral hepatitis				
IC20-00232	Rapid and simplified methods for HBV DNA level quantitative for clinical management of chronic hepatitis B infection	Kittiyod Poovorawan	kittiyod.poo@mahidol.ac.th	P05-002-01
IC20-00035	Efficacy of entecavir versus lamivudine prophylaxis in preventing hepatitis B virus reactivation in patients with allogeneic stem cell transplant	D A Johns	heedapriyanka@gmail.com	P05-002-02
IC20-00014	The genotypic association of hepatitis C associated oral lichen planus and its response to direct acting antivirals	D A Johns	dextonjohns@gmail.com	P05-002-03

Sub-theme: Dengue infection				
IC20-00211	Knowledge, attitudes and practice of suspected dengue infected patients at the Bangkok Hospital for Tropical Diseases	Viravarn Luvira	viravarn.luv@mahidol.ac.th	P05-003-01
IC20-00234	Immunogenicity and safety of a tetravalent dengue vaccine in Asia and Latin America: a four-year randomized placebo-controlled phase 2 study	Vianney Tricou	vianney.tricou@takeda.com	P05-003-02
IC20-00477	The burden of dengue in Latin America and Asia-epidemiological data from a phase 3 trial	John Weil	John.Weil@takeda.com	P05-003-03
IC20-00509	Establishment of Asia Dengue Voice and Action (ADVA) dengue task force to prioritize dengue preparedness and responsiveness in Asia	Francis Kwong	francis@adva.asia	P05-003-04
IC20-00224	Unbiased metagenomic next-generation sequencing to define the febrile landscape in Cambodia	Lay Sreyngim	laysreyngim7@gmail.com	P05-003-05
IC20-00603	Mechanistic study of baicalein and baicalin against <i>in vitro</i> replication of dengue virus	Pouya Hassandarvish	pouyahassandarvish@um.edu.my	P05-003-06
Sub-theme: Zika				
IC20-00179	A 1-year Zika serosurvey study in Amphawa District, Samut Songkram Province, Thailand	Kriengsak Limkittikul	kriengsak.lim@mahidol.ac.th	P05-004-01
IC20-00212	Use of Zika NS1 ELISA to evaluate Zika virus infection in Ratchaburi cohort study	Supawat Chatchen	supawat.cht@mahidol.ac.th	P05-004-02
IC20-00492	Natural infection and vertical transmission of Zika virus in sylvatic mosquitoes <i>Aedes albopictus</i> and <i>Haemagogus leucocelaenus</i> from Rio de Janeiro, Brazil	Sergio Lisboa Machado	machadosl2011@gmail.com	P05-004-03
IC20-00233	Use of blockade-of-binding ELISA to verify Zika virus serostatus in Ratchaburi cohort study	Pichamon Sittikul	pichamon.sit@mahidol.ac.th	P05-004-04

Sub-theme: Rabies				
IC20-00246	Study of community's knowledge, attitude, and practices regarding rabies and its control among dog owners in Songan Village in Bali, Indonesia	Paulus Mario Christopher	paulusmarioc@gmail.com	P05-005-01
IC20-00124	The need to improve access to rabies post-exposure vaccines: lessons from Tanzania	Joel Chungalucha	jchungalucha@ihi.or.tz	P05-005-02
Sub-theme: Other viral infections				
IC20-00136	Update effectiveness of influenza vaccine in preventing medically-attended influenza virus infection among health care personnel, a test negative case-control study in Bangkok, Thailand, 2018/19 season	Theethach Eamchotchawalit	Theethach.eam@pcm.ac.th	P05-006-01
IC20-00015	Transmission dynamics and community compliance of containing Nipah virus transmission in Kerala, India	Priyanka Rozario	ralphcrowther8@gmail.com	P05-006-02
IC20-00602	Monitoring the COVID-19 immune landscape in Japan	Hiroshi Nishiura	Nishiura.hiroshi.5r@kyoto-u.ac.jp	P05-006-03
IC20-00586	Characterization and monitoring of vaccine hesitancy in French Guiana	Claude Flamand	Flamand.claude@gmail.com	P05-006-04
IC20-00607	An early epidemiological investigation of COVID-19 in Parsa, Province-2, Nepal	Ram Kumar Mahato	Mahatoram811@gmail.com	P05-006-05

Theme: Insects and arachnids				
Sub-theme: Mosquitoes				
IC20-00213	Entomological inoculation rate (EIR) value of malaria transmission in Mamuju District (Sulawesi) and Sintang District (Kalimatan), Indonesia	Rizqiani Kusumasari	rizqiani.a.k@ugm.ac.id	P06-001-01
IC20-00034	The breeding ecology of malaria vectors and the physico-chemical properties of the breeding sites influencing their abundance in a tropical rainforest community in Southeastern Nigeria	Kindness Irikannu	kayceeirika@yahoo.com	P06-001-02
IC20-00180	Potential breeding places and abundance of filariasis vector mosquitoes in Buton District, Southeast Sulawesi Province	Wigati Marsongko	ajeng0102@gmail.com	P06-001-03
IC20-00337	Personal protection of permethrin-treated military uniforms against malaria and dengue vector in the laboratory	Patcharee Khongtak	patchareek.fsn@afirms.org	P06-001-04
IC20-00338	Semi-field evaluation of permethrin treated military uniforms against malaria and dengue vectors in Thailand	Wachiraphan Chittham	wachiraphanc.ca@afirms.org	P06-001-05
IC20-00177	<i>Anopheles farauti</i> susceptibility to deltamethrin 0.05% and permethrin 0.07% in the District of Manokwari, West Papua	Semuel Sandy	mercury.sandy56@gmail.com	P06-001-06
IC20-00098	Synthesis and evaluation of green solid lipid nanoparticulate mosquito repellent creams	Chinekwu Nwagwu	Chinekwu.nwobi@unn.edu.ng	P06-001-07
IC20-00073	The ethanol extract of <i>Dendrophthoe pentandra</i> leaves impair to midgut necrosis through chitin synthase-B and structural damage of perispiracular lobe of <i>Aedes aegypti</i> larvae	Agustina Tri Endharti	tinapermana.fk@gmail.com	P06-001-08

IC20-00335	Pyrethroids resistance and detection of knockdown resistance (kdr) mutations in natural populations of <i>Aedes aegypti</i> in Thailand	Arissara Pongsiri	ArissaraP@afirms.org	P06-001-09
IC20-00142	Perceptions on the use of long lasting insecticide-treated net in rural areas of Osun State	Gbolabo Odewale	odewalegbolabo@gmail.com	P06-001-10
IC20-00153	Assessment of community needs, acceptability and willingness to pay for transfluthrin-treated sandals as a complimentary tool against mosquito bites in rural Tanzania	Winifrida Mponzi	wmponzi@ihi.or.tz	P06-001-11
IC20-00468	Effect of temperature stress on development of <i>Anopheles cracens</i> mosquito	Rezki Sabrina Masse	rezki.sabrina@moh.gov.my	P06-001-12
IC20-00494	A next generation targeted amplicon sequencing method to rapidly screen for insecticide resistance mutations in <i>Aedes aegypti</i> populations reveals a rdl mutation in mosquitoes from Cabo Verde	Emma Collins	emma.collins@lshtm.ac.uk	P06-001-13
IC20-00542	Comparison of three different sample size cohorts used for the WHO susceptibility assay in resistance study	Manop Saeung	manop.saeu@ku.th	P06-001-14
IC20-00385	Assessment of a split homing based gene drive targeting doublesex in <i>Anopheles stephensi</i>	Mireia Larrosa	mireia.larrosa-godall@pirbright.ac.uk	P06-001-15
IC20-00566	Temephos susceptibility and arbovirus screening of <i>Aedes aegypti</i> populations in Thailand	Duangkamon Pintong	Duangkamomp.ca@afirms.org	P06-001-16

Sub-theme: Vectors				
IC20-00378	<i>In vivo</i> hard tick feeding using mice (<i>Mus musculus</i>) as blood sources	Thanin Jitbantrengphan	ThaninJ.ca@afirms.com	P06-002-01
IC20-00376	A laboratory procedure for rearing ticks at the AFRIMS insectary in Bangkok, Thailand	Jaruwan Tawong	jaruwant.ca@afirms.org	P06-002-02
IC20-00332	Tick bite precautions: lesson learned from Thai travelers via in-depth interview (a preliminary report)	Panupong Kowsurat	isomer35884@gmail.com	P06-002-03
IC20-00082	Chromosome-level <i>de novo</i> genome assembly and comparative transcriptomics reveal temporal expression profiles during the life cycle of <i>Sarcophagi peregrina</i>	Lipin Ren	306425046@qq.com	P06-002-04
IC20-00295	Alternative feeding of triatomines (<i>Meccus pallidipennis</i>) under laboratory conditions	Ana Maria Fernández-Presas	presas@unam.mx	P06-002-05
IC20-00328	Comparative field evaluation of different trap types, light colors, and attractants for collecting Phlebotomine sand flies (Diptera: Psychodidae) in Thailand	Nattaphol Pathawong	nattapholp.ca@afirms.org	P06-002-06
IC20-00583	Effectiveness of novel repellents against the scrub typhus chigger mites	Nutthanun Auysawasdi	nutthanuna.ca@afirms.org	P06-002-07
IC20-00590	Sandflies (Diptera: Psychodidae) in urban and periurban environments, Rio Branco, Acre, Western Amazon	Andreia Brilhante	Andreia.brilhante@ufac.br	P06-002-08
IC20-00585	Investigation the role of chigger in transmission Orientiae, Rickettsiae and <i>Dabie bundavirus</i> in field-collected chiggers in Thailand	Chawin Limsuwan	ChawinL.ca@afirms.org	P06-002-09
IC20-00530	Phlebotomine fauna (Diptera: Psychodidae) in areas of forest extraction, Western Brazilian Amazon	Paloma Shimabukuro	paloma.helena@fiocruz.br	P06-002-10

IC20-00608	<i>Borrelia miyamotoi</i> , a neglected tick-borne relapsing fever spirochete in Thailand	Jira Sakolvaree	Jiras.ca@afirms.org	P06-002-11
Sub-theme: Ectoparasite				
IC20-00122	Clinical and epidemiological profile of scabies in children. Do we need mass drug administration?	Vikash Paudel	vikashpoudel@iom.edu.np	P06-003-01
IC20-00584	Host immune response to chigger-transmitted <i>Orientia tsutsugamushi</i>	Sirima Wongwairot	SirimaW.ca@afirms.org	P06-003-02

Theme: Fungus				
IC20-00460	Pulmonary epithelium infected with <i>Aspergillus fumigatus</i> induces cytoskeletal alteration in early cellular response rather than <i>Scedosporium apiospermum</i>	Tapanee Kanjanapruthipong	tapanee.kan@mahidol.ac.th	P07-001-01
IC20-00483	Species identification and <i>in vitro</i> antifungal susceptibility testing of <i>Aspergillus</i> section Nigri strains isolated from otomycosis patients	Roshanak Daie Ghazvini	roshanak1043@yahoo.com	P07-001-02
IC20-00490	Study on invasive aspergillosis using galactomannan enzyme immunoassay and determining antifungal drug susceptibility among hospitalized patients	Pegah Ardi	Pegahardi1982@gmail.com	P07-001-03

Themes: Others				
IC20-00103	Anti-diarrhoeal properties of methanol extract of <i>Costus afer</i> stem in male albino rats	John Ogbodo	john.ogbodo@unn.edu.ng	P08-001-01
IC20-00065	Program development on the behavioral change intervention in risky people to diabetes mellitus (DM)	Orathai Srithongtham	tutuubonorathai@gmail.com	P08-001-02
IC20-00223	Association between waist circumference at two measurement sites and indicators of metabolic syndrome and cardiovascular disease	Karunee Kwanbunjan	karunee.kwa@mahidol.ac.th	P08-001-03
IC20-00006	A study on genetic polymorphism in matrix metalloproteinases-3 in oral submucous fibrosis patients and in healthy individuals	Preethi Poonja	preetipoonja@gmail.com	P08-001-04
IC20-00062	Hepato- and nephroprotective activities of a Nigerian local King Tuber Oyster mushroom, <i>Pleurotus tuberregium</i> (Higher Basidiomycetes), in chemically induced organ toxicities in rats	Stella Ihim	ihim.stella@unn.edu.ng	P08-001-05