

ANNUAL NEWSLETTER

DEPARTMENT OF PARASITOLOGY

FACULTY OF MEDICINE



Heading one of the largest Parasitology Departments in the world, the task becomes more demanding when one needs to sustain the incredible leadership previously provided by the past heads of this department who have generated a seamless work culture and created an incredible cohesive team. Departments from an academic environment all over the world have possibly two or three core functions which will include teaching, research and in the case of our department, diagnosis which will constitute the Business As Usual (BAU) activities.

We have currently 7 academic programs which we teach, involving 15 academic staff members. The new additional focus this year is to create a dedicated module to cater for the elective students from other faculties. We have also embarked on the development of a Master Programme for Parasitology and Entomology. This is an additional contribution the Faculty and the University as a whole can make to attract foreign students from countries where parasitic infections pose a serious problem.

We are happy to be listed in the top 6 departments at the Faculty of Medicine in terms of paper contributions. Our researchers are prolific and the number of post-graduate students totaling to more than 60 is a testimony to the dedication we have towards research. Prof Datin Indra has recently been appointed as subject Editor and Dr Hesham as Honorary Editor of Parasites and Vectors. Our department continues to be recognized for its frontier work in malaria especially in *Plasmodium knowlesi*, soil transmitted helminthes, *Toxoplasma* and *Blastocystis* sp. The number of papers produced by the Department has gained steadily over the years, attracting international collaborations and grants.

We are happy to announce that the Department has now rallied behind the idea of community adoption. A serious continuous effort to adopt an Orang Asli village is being planned and the twin grant application to UM CARES by the Department recently made is the evidence for this commitment. It is a point of concern that after almost 5 decades of parasitological surveys as well treatment interventions by Parasitologists throughout the country, we still have an average of more than 50-70% of the Orang Asli communities infected with at least one if not more of these parasites. This really is disappointing! We are having the first round table discussion with the Ministry of Health officials in April 2016 with a view of assessing how much of our data collected will be able to influence policy direction. This will be the first of a series of interactions with relevant stakeholders to make the Department become more visible and relevant.

Prof Dr Rohela have been holding the fort in the diagnostic front and samples have been coming in from both our UH hospital as well from neighboring hospitals. We thank the relevant heads of committees for teaching, research and diagnosis in our Department who have taken the initiatives to collaborate with their respective heads of similar committees at the Department of Microbiology for the enhanced collaboration between both the Departments as envisaged by our Dean.

We rose to the challenge when the University asked for programmes from faculties to commemorate the 111th anniversary of University Malaya when we decided to organize the Inter-University/ college Parasitology Quiz on the 20th April 2016. We congratulate Associate Prof Dr Zurainee and Prof Dr Fong for being appointed as Director and Deputy Director of SERU and QMAC respectively. We say thank you and farewell to Professor Dr. Johari and Prof Dr Jamaiah for both of them have retired recently. Their valuable and priceless contribution to the department will be fondly remembered by all.

We hope the coming years will see even more achievements for our departments. On behalf of the department let me congratulate A/P Dr Veeranoot for sustaining the Animal care programme for so many years and A/P Dr Yee Ling for her dedication in manifesting this newsletter for us. The remaining pages of this newsletter will highlight our recent achievements and therefore I refrain myself by mentioning them here.

I thank all academic, non-academic and support staff for their continuous support, willingness to go the extra mile and most of all the efforts taken to ensure an incredible working atmosphere that will surely attract many more publications and other accolades for us in the future.

Prof Dr Suresh Kumar, Head Department of Parasitology

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Research Grants

No	Project Title	Source	Recipient	Amount	Grant Period
1	Concomitant infections of Plasmodium and Brugia in animal model	FP002-2014B	Prof. Dr. Rohela Mahmud	RM176,000.00	1/12/2014-30/11/2016
2	Molecular epidemiology of water-borne intestinal parasites in Malaysian environment	RG157-12SUS	Prof. Dr. Johari Surin	RM54,000.00	15/6/2012-30/4/2015
3	Genotyping of Giardia duodenalis and Cryptosporidium spp. isolated from human in Sabah	PV063-2012A	Prof. Dr. Johari Surin	RM65,000.00	1/6/2012-31/5/2015
4	Prevalence of Sarcocystis infection in Malaysia	RP011-2012D	Prof. Dr. Jamaiah Ibrahim	RM76,000.00	2/7/2012-31/12/2015
5	Recombinant Expression of TES-26 and TES-30 of Toxocara canis by Escherichia coli for diagnostic use	PG061-2014A	Prof. Dr. Jamaiah Ibrahim	RM16,500.00	28/8/2012-28/8/2017
6	Studies to evaluate the cell proliferation rates, gene expression of cells, physiological effect on rabbit's ileum when treated with soluble extracts of antigens as well as excretory secretory (Es) antigen from Subtype 3 of lbs and non lbs patients respectively and assess cytochemical, immunological and hispathological changes during in vivo experimental infection	PG108-2012B	Prof. Dr. Suresh Kumar	RM125,000.00	1/1/2013-31/12/2015
7	Studies on the biology and in vitro culture studies on Dientamoeba fragilis	PG095-2013B	Prof. Dr. Suresh Kumar	RM5,500.00	2/12/2013-1/12/2015
8	Differential gene expression during programmed cell death and identification of early pro and anti-apoptotic signals in Blastocystis spp.	PG101-2013B	Prof. Dr. Suresh Kumar	RM25,000.00	1/1/2014-31/12/2016
9	Beijing Genome Institute (Genomics and Bioinformatics Services)	UM- MOHE HIR – E000050-20001	Prof. Dr. Fong Mun Yik	RM1,100,000.00	2011 - 2015
10	Characterization of epitopes on the merozoite surface antigens of zoonotic simian malaria	UM-MOHE HIR – E000006-20001	Prof. Dr. Fong Mun Yik	RM275,500.00	2011 - 2015
11	Identification of the life cycle of S. nesbitti	RP011-2012B	Prof. Dr. Fong Mun Yik	RM136,000.00	2/7/2012-31/12/2015
12	Sylvatic dengue study	LR001-2011B	Prof. Dr. Fong Mun Yik	RM496,900.00	1/8/2012-28/2/2015
13	Molecular identification and characterization of human malaria parasites	PG056-2013A	Prof. Dr. Yvonne Lim Ai Lian	RM20,000.00	6/9/2013-5/9/2016
14	High-Resolution melting approach for rapid and effective evaluation of helminth in mixed-helminthes-population samples	16-02-03-6034	Prof. Dr. Yvonne Lim Ai Lian	RM131,000.00	1/9/2012-31/1/2015
15	Innate immune response against P. falciparum and P. knowlesi among Malaysian healthy individuals	RG503-13HTM	Prof. Dr. Yvonne Lim Ai Lian	RM146,200.00	24/7/2013-24/7/2015
16	Study of infection pattern and dynamics of Wolbachia in Malaysian Aedes albopictus	PG011-2013A	Prof. Datin Dr. Indra Vythilingam	RM9,800.00	6/9/2013-5/9/2015
17	Genotypic variation of Aedes aegypti in Malaysia and its relation to dengue transmission	PG103-2014A	Prof. Datin Dr. Indra Vythilingam	RM6,300.00	28/8/2014-28/8/2015
18	Molecular epidemiology of simian malaria vectors with special reference to the Anopheles leucosphyrus group	PG105-2014A	Prof. Datin Dr. Indra Vythilingam	RM13,000.00	28/8/2014-28/8/2017
19	Study on interactions of co-infection of filarial and malaria parasites in murine model	PG139-2014B	Prof. Datin Dr. Indra Vythilingam	RM19,900.00	25/3/2015-25/3/2018
20	Dynamics of Wolbachia on Aedes albopictus in references to dengue virus	RG148-2014B	Prof. Datin Dr. Indra Vythilingam	RM22,000.00	26/3/2015-25/3/2016
21	Study on knowledge, attitudes and practices (Kap) on lymphatic filariasis in Peninsular Malaysia area and in search fro microfilaricidal activity in Malaysian medical plant	PG085-2012B	Prof. Madya Dr. Zurainee Mohamed Nor	RM60,000.00	1/1/2013-31/12/2015
22	Molecular identification and recombinant proteins characterization of Acanthamoeba isolated from keratitis corneas and environmental samples	RG510-13HTM	Prof. Madya Dr. Init Ithoi	RM97,500.00	29/7/2013-4/5/2015
23	Intestinal parasitism in rural and urban communities of Selangor, Malaysia	PG022-2013B	Prof. Madya Dr. Init Ithoi	RM16,500.00	1/12/2013-1/12/2016
24	Phylogenetic study of free-living amoebas isolated from animal corneas and environmental samples: An approach of public health and human risk of infection with amoebic keratitis	PG021-2013B	Prof. Madya Dr. Init Ithoi	RM7,000.00	1/12/2013-1/12/2016
25	Isolation and characterization of parasites from varius water types in Malaysia	RG544-14HTM	Prof. Madya Dr. Veeranoot Nissapatorn	RM51,200.00	18/4/2014-31/5/2015
26	Evaluation of the usefulness of non-invasive biological samples in diagnosing of human malaria	PG055-2014A	Prof. Madya Dr. Veeranoot Nissapatorn	RM4,000.00	28/8/2014-28/8/2015
27	Epidemiological and genetic studies on some zoonotic parasitic infections in Malaysia and Yemen : Implications for effective control programmes	RG331-15AFR	Prof. Madya Dr. Hesham Mahyoub Sarhan Al-Mekhlafi	RM56,000.00	21/1/2015-21/1/2016
28	Identification and Genotyping of Medically Important Parasites and Mosquitoes	UM-MOHE HIR – E0000051-20001	Prof. Madya Dr. Lau Yee Ling	RM1,194,300.00	2012 - 2015
29	Genomics and Molecular Characterization of Tropical Infectious Disease Agents (TIDREC)	E000020-20001	Prof. Madya Dr. Lau Yee Ling	RM204,000.00	2011 - 2015
30	Sarcocystosis: An Emerging Parasitic Infection	UMRG	Prof. Madya Dr. Lau Yee Ling	RM196,000.00	2012 - 2015
31	Genome expression analysis of Anopheles cracens and Anopheles latens responses to Plasmodium knowlesi infection	PV044-2012A	Prof. Madya Dr. Lau Yee Ling	RM164,000.00	1/6/2012-31/5/2015
32	Development of new serology test	RP011-2012C	Prof. Madya Dr. Lau Yee Ling	RM138,000.00	2/7/2012-31/12/2015
33	Dengue detection method for field research	LR001-2011D	Prof. Madya Dr. Lau Yee Ling	RM520,400.00	1/8/2011-28/2/2015
34	An innovation method of parasites DNA extraction from culture, clinical and environmental samples using microwave heat treatment	RG362-15AFR	Dr. Tan Tian Chye	RM43,000.00	30/1/2015-31/1/2016
35	Association among parasitic infections, nutritional status, socioeconomic and environmental sanitary behavior among communities in Sarikei and Kapit Divisions, Sarawak	BK007-2014	Dr. Romano Ngui	RM33,000.00	3/3/2014-3/9/2015
36	Genetic characterisation and virulence genes profiling of soil-transmitted helminths in Malaysia	PG063-2014B	Dr. Romano Ngui	RM23,000.00	19/3/2015-19/3/2018

1	Lau, Yee Ling; Lai, Meng Yee; Anthony, Claudia N.; et al. Comparison of Three Molecular Methods for the Detection and Speciation of Five Human Plasmodium Species. AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE Volume: 92 Issue: 1 Pages: 28-33 Published: JAN 2015		evidence-based case study. PARASITOLOGY RESEARCH Volume: 114 Issue: 8 Pages: 2999-3005 Published: AUG 2015		Sady, Hany; Al-Mekhlafi, Hesham M.; Webster, Bonnie L.; et al. New insights into the genetic diversity of Schistosoma mansoni and S. haematobium in Yemen. PARASITES & VECTORS Volume: 8 Article Number: 544 Published: OCT 20 2015
2	Fong, Mun-Yik; Rashdi, Sarah A. A.; Yusof, Ruhani; et al. Distinct genetic difference between the Duffy binding protein (PkDBP alpha II) of Plasmodium knowlesi clinical isolates from North Borneo and Peninsular Malaysia. MALARIA JOURNAL Volume: 14 Article Number: 91 Published: FEB 21 2015	18	Joanne, Sylvia; Vythilingam, Indra; Yugavathy, Nava; et al. Distribution and dynamics of Wolbachia infection in Malaysian Aedes albopictus. ACTA TROPICA Volume: 148 Pages: 38-45 Published: AUG 2015	34	Al-Abd, Nazeem M.; Nor, Zurainee Mohamed; Mansor, Marzida; et al. Antioxidant, antibacterial activity, and phytochemical characterization of Melaleuca cajuputi extract. BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE Volume: 15 Article Number: 385 Published: OCT 24 2015
3	Ragavan, Anitaamaral Devi; Govind, Suresh Kumar. Modified fields' stain: ideal to differentiate Dientamoeba fragilis and Blastocystis sp. PARASITOLOGY RESEARCH Volume: 114 Issue: 3 Pages: 1163-1166 Published: MAR 2015	19	Ngui, Romano; Aziz, Shafie; Chua, Kek Heng; et al. Patterns and Risk Factors of Soil-Transmitted Helminthiasis among Orang Asli Subgroups in Peninsular Malaysia. AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE Volume: 93 Issue: 2 Pages: 361-370 Published: AUG 2015	35	Angal, Lorainne; Mahmud, Rohela; Samin, Sajideh; et al. Determining intestinal parasitic infections (IPIs) in inmates from Kajang Prison, Selangor, Malaysia for improved prison management. BMC INFECTIOUS DISEASES Volume: 15 Article Number: 467 Published: OCT 29 2015
4	Muhammad-Aidil, R.; Imelda, A.; Jeffery, J.; et al. Distribution of mosquito larvae in various breeding sites in National Zoo Malaysia. TROPICAL BIOMEDICINE Volume: 32 Issue: 1 Pages: 183-186 Published: MAR 2015	20	Chong, Chun Wie; Ahmad, Arine Fadzlan; Lim, Yvonne Ai Lian; et al. Effect of ethnicity and socioeconomic variation to the gut microbiota composition among pre-adolescent in Malaysia. SCIENTIFIC REPORTS Volume: 5 Article Number: 13338 Published: AUG 20 2015	36	Loke, P'ng; Lim, Yvonne A. L. Can Helminth Infection Reverse Microbial Dysbiosis? TRENDS IN PARASITOLOGY Volume: 31 Issue: 11 Pages: 534-535 Published: NOV 2015
5	Rajoo, Yamuna; Mahmud, Rohela; Xiang, Ng Rong; et al. Liver cirrhosis and splenomegaly associated with Schistosoma mansoni in a Sudanese woman in Malaysia: A case report. ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE Volume: 8 Issue: 4 Pages: 334-336 Published: APR 2015	21	Sady, Hany; Al-Mekhlafi, Hesham M.; Atroosh, Wahib M.; et al. Knowledge, attitude, and practices towards schistosomiasis among rural population in Yemen. PARASITES & VECTORS Volume: 8 Article Number: 436 Published: AUG 25 2015	37	Dawaki, Salwa; Al-Mekhlafi, Hesham M.; Ithoi, Init; et al. The Menace of Schistosomiasis in Nigeria: Knowledge, Attitude, and Practices Regarding Schistosomiasis among Rural Communities in Kano State. PLOS ONE Volume: 10 Issue: 11 Article Number: e0143667 Published: NOV 25 2015
6	Brandon-Mong, Guo-Jie; Seri, Nurul Asma Anati Che Mat; Sharma, Reuben Sunil-Kumar; et al. Seroepidemiology of toxoplasmosis among people having close contact with animals. FRONTIERS IN IMMUNOLOGY Volume: 6 Article Number: 143 Published: APR 28 2015	22	Liew, Jonathan; Amir, Amirah; Chen, Yeng; et al. Autoantibody profile of patients infected with knowlesi malaria. CLINICA CHIMICA ACTA Volume: 448 Pages: 33-38 Published: AUG 25 2015	38	Lau YL, Lai MY, Fong MY, Jelip J, Mahmud R. Loop-Mediated Isothermal Amplification Assay for Identification of Five Human Plasmodium Species in Malaysia. Am J Trop Med Hyg. pii: 15-0569 Published: NOV 23 2015
7	Zain, Siti Nurseena Mohd; Amdan, Syed Arnez Syed Khalil; Braima, Kamil A.; et al. Ectoparasites of murids in peninsular Malaysia and their associated diseases. PARASITES & VECTORS Volume: 8 Article Number: 254 Published: APR 29 2015	23	Al-Abd, Nazeem M.; Nor, Zurainee Mohamed; Kassim, Mustafa; et al. Prevalence of filarial parasites in domestic and stray cats in Selangor State, Malaysia. ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE Volume: 8 Issue: 9 Pages: 693-697 Published: SEP 2015	39	Chemoh, Waenurama; Sawangjaroen, Nongyao; Siripaitoon, Pisut; et al. Toxoplasma gondii - Prevalence and Risk Factors in HIV-infected Patients from Songklanagarind Hospital, Southern Thailand. FRONTIERS IN MICROBIOLOGY Volume: 6 Article Number: 1304 Published: NOV 25 2015
8	Ching, Xiao-Teng; Lau, Yee-Ling; Fong, Mun-Yik. HETEROLOGOUS EXPRESSION OF TOXOPLASMA GONDII DENSE GRANULE PROTEIN 2 AND 5. SOUTHEAST ASIAN JOURNAL OF TROPICAL MEDICINE AND PUBLIC HEALTH Volume: 46 Issue: 3 Pages: 375-387 Published: MAY 2015	24	Bamaga, Omar A. A.; Mahdy, Mohammed A. K.; Lim, Yvonne A. L. Survey of chloroquine-resistant mutations in the Plasmodium falciparum pfcrt and pfmdr-1 genes in Hadhramout, Yemen. ACTA TROPICA Volume: 149 Pages: 59-63 Published: SEP 2015	40	Ng, Yit Han; Subramaniam, Vellayan; Lau, Yee Ling. Modified use of methylene blue in the tissue compression technique to detect sarcocysts in meat-producing animals. VETERINARY PARASITOLOGY Volume: 214 Issue: 1-2 Pages: 200-203 Published: NOV 30 2015
9	Tan, Tiong Kai; Low, Van Lun; Lee, Soo Ching; et al. Detection of Schistosoma spindale ova and associated risk factors among Malaysian cattle through coprological survey. JAPANESE JOURNAL OF VETERINARY RESEARCH Volume: 63 Issue: 2 Pages: 63-71 Published: MAY 2015	25	Lau, Yee-Ling; Lee, Wenn-Chyau; Xia, Jinquan; et al. Draft genome of Brugia pahangi: high similarity between B-pahangi and B-malayi. PARASITES & VECTORS Volume: 8 Article Number: 451 Published: SEP 8 2015	41	Fong, Mun Yik; Wong, Shen Siang; De Silva, Jeremy Ryan; et al. Genetic polymorphism in domain I of the apical membrane antigen-1 among Plasmodium knowlesi clinical isolates from Peninsular Malaysia. ACTA TROPICA Volume: 152 Pages: 145-150 Published: DEC 2015
10	Muslimin, Mustakiza; Wilson, John-James; Ghazali, Amir-Ridhwan M.; et al. First report of brown widow spider sightings in Peninsular Malaysia and notes on its global distribution. JOURNAL OF VENOMOUS ANIMALS AND TOXINS INCLUDING TROPICAL DISEASES Volume: 21 Article Number: 11 Published: MAY 9 2015	26	Choy, Seow Huey; Mahdy, Mohammed A. K.; Al-Mekhlafi, Hesham M.; et al. Population expansion and gene flow in Giardia duodenalis as revealed by triosephosphate isomerase gene. PARASITES & VECTORS Volume: 8 Article Number: 454 Published: SEP 15 2015	42	Ng, Yit Han; Fong, Mun Yik; Subramaniam, Vellayan; et al. Short communication: Genetic variants of Sarcocystis cruzi in infected Malaysian cattle based on 18S rDNA. RESEARCH IN VETERINARY SCIENCE Volume: 103 Pages: 201-204 Published: DEC 2015
11	Loke, P.; Lim, Y. A. L. Helminths and the microbiota: parts of the hygiene hypothesis. PARASITE IMMUNOLOGY Volume: 37 Issue: 6 Special Issue: SI Pages: 314-323 Published: JUN 2015	27	Ragavan, Nanthiney Devi; Kumar, Suresh; Chye, Tan Tian; et al. Blastocystis sp. in Irritable Bowel Syndrome (IBS) - Detection in Stool Aspirates during Colonoscopy. PLOS ONE Volume: 10 Issue: 9 Article Number: e0121173 Published: SEP 16 2015	43	Tun, Sandee; Ithoi, Init; Mahmud, Rohela; et al. Detection of Helminth Eggs and Identification of Hookworm Species in Stray Cats, Dogs and Soil from Klang Valley, Malaysia. PLOS ONE Volume: 10 Issue: 12 Article Number: e0142231 Published: DEC 15 2015
12	Sonaimuthu, Parthasarathy; Cheong, Fei Wen; Chin, Lit Chein; et al. Detection of human malaria using recombinant Plasmodium knowlesi merozoite surface protein-1 (MSP-1(19)) expressed in Escherichia coli. EXPERIMENTAL PARASITOLOGY Volume: 153 Pages: 118-122 Published: JUN 2015	28	Fong, Mun Yik; Ahmed, Md Atique; Wong, Shen Siang; et al. Genetic Diversity and Natural Selection of the Plasmodium knowlesi Circumsporozoite Protein Nonrepeat Regions. PLOS ONE Volume: 10 Issue: 9 Article Number: e0137734 Published: SEP 17 2015	44	Bamaga, Omar A. A.; Mahdy, Mohammed A. K.; Lim, Yvonne A. L. Frequencies distribution of dihydrofolate reductase and dihydropteroate synthetase mutant alleles associated with sulfadoxine-pyrimethamine resistance in Plasmodium falciparum population from Hadhramout Governorate, Yemen. MALARIA JOURNAL Volume: 14 Article Number: 516 Published: DEC 22 2015
13	Iqbal, Asma; Sim, B. L. H.; Dixon, Brent R.; et al. Molecular epidemiology of Cryptosporidium in HIV/AIDS patients in Malaysia. TROPICAL BIOMEDICINE Volume: 32 Issue: 2 Pages: 310-322 Published: JUN 2015	29	Lau, Yee-Ling; Lai, Meng-Yee; Teoh, Boon-Teong; et al. Colorimetric Detection of Dengue by Single Tube Reverse-Transcription-Loop-Mediated Isothermal Amplification. PLOS ONE Volume: 10 Issue: 9 Article Number: e0138694 Published: SEP 18 2015	45	Loke-Tim Khaw, Nontawat Leerach, Nan-Jiun Yap, Narong Jaturas, Tian-Chye Tan, Julieta Z Dungca, Zenaida D Los Ba os, Sutthirath Sitthisak, Sek-Chuen Chow, Yvonne Al Lim, Nongyao Sawangjaroen, Veeranoot Nissapattorn, Christophe Wiart. 2015. A preliminary screening of potentially antimalarial plants against Plasmodium falciparum in vitro. TROPICAL BIOMEDICINE, 2015; 32(4): 676-683. Published: DEC 2015
14	Girish, Sonal; Kumar, Suresh; Aminudin, Norhaniza. Tongkat Ali (Eurycoma longifolia): a possible therapeutic candidate against Blastocystis sp. PARASITES & VECTORS Volume: 8 Article Number: 332 Published: JUN 18 2015	30	Lau, Sai-Ming; Vythilingam, Indra; Doss, Jonathan Inbaraj; et al. Surveillance of adult Aedes mosquitoes in Selangor, Malaysia. TROPICAL MEDICINE & INTERNATIONAL HEALTH Volume: 20 Issue: 10 Pages: 1271-1280 Published: OCT 2015	46	Narong Jaturas, Naruemon Onnoi, Thulasi Kumar, Brandon Mong Guo Jie, Subashini Onichandran, Sasheela Ponnampalavanar, Aunchalee Thanwisai, Tian-Chye Tan, Nongyao Sawangjaroen and Veeranoot Nissapattorn. A reproducible method for extraction of Plasmodium falciparum by microwave irradiation and its potential for rapid molecular diagnosis. Tropical Biomed. 32(4):753-760. Published: DEC 2015
15	Sady, Hany; Al-Mekhlafi, Hesham M.; Ngui, Romano; et al. Detection of Schistosoma mansoni and Schistosoma haematobium by Real-Time PCR with High Resolution Melting Analysis. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 16 Issue: 7 Pages: 16085-16103 Published: JUL 2015	31	Ng, Khuen Foong; Tan, Kah Kee; Ngui, Romano; et al. Fatal case of amoebic liver abscess in a child. ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE Volume: 8 Issue: 10 Pages: 858-860 Published: OCT 2015	47	Cheong FW, Lau YL, Fong MY. Immunogenicity of the merozoite surface protein-1 (msp-1) of human plasmodium sp. JUMMEC 2015:18(2) Published: DEC 2015
16	Atroosh, Wahib M.; Al-Mekhlafi, Hesham M.; Al-Jasari, Adel; et al. Genetic variation of pfrp2 in Plasmodium falciparum isolates from Yemen and the performance of HRP2-based malaria rapid diagnostic test. PARASITES & VECTORS Volume: 8 Article Number: 388 Published: JUL 22 2015	32	Wong, Meng L.; Chua, Tock H.; Leong, Chong S.; et al. Seasonal and Spatial Dynamics of the Primary Vector of Plasmodium knowlesi within a Major Transmission Focus in Sabah, Malaysia. PLoS Neglected Tropical Diseases Volume: 9 Issue: 10 Article Number: e0004135 Published: OCT 2015	48	
17	Ragavan, Nanthiney Devi; Govind, Suresh Kumar; Chye, Tan Tian; et al. Factors that influence the shedding of Blastocystis cysts in an irritable bowel syndrome (IBS) patient-an	33	Akter, Rumana; Vythilingam, Indra; Khaw, Loke Tim; et al. Simian malaria in wild macaques: first report from Hulu Selangor district, Selangor, Malaysia. MALARIA JOURNAL Volume: 14 Article Number: 386 Published: OCT 5 2015	49	

Journal Club - Seminars



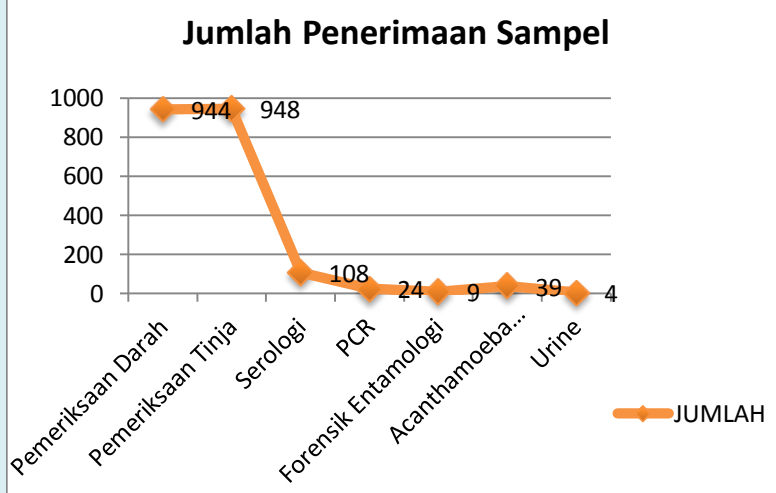
“If we knew what it
was we were
doing, it would
not be called
research, would
it?”
— Albert Einstein

	TITLE	NAME	DATE
1.	Malaria Burden And The Distribution Of Genetic Markers Associated With Anti-Malarial Drug Resistance In Taiz, Yemen	Lina Mohammed Qaid Al-Areqi (Phd)	7 January 2015
2.	In Vitro Studies Of Sicavar Gene Transcription Of Plasmodium Knowlesi Infected Erythrocytes Induced By Adhesion To Different Host Cell Receptors	Yap Nan Jiun (Phd)	20 January 2015
3.	The Effects Of Wolbachia On Chikungunya Virus (Chikv) Infection In Aedes Albopictus	Noor Afizah Ahmad (Master)	
4.	Recombinant Expression Of Tes-32 And Tes-120 Of Toxocara Canis By Escherichia Coli For Diagnostic Use In Adult Asthmatic Patients	Seyedeh Zahra Rouhani Rankouhi (Phd)	5 February 2015
5.	Distribution Of Anopheles Spp. And Their Susceptibility Status In Knowlesi Endemic Areas In Peninsular Malaysia	Aidil Azahary Abdul Rahman (Master)	
6.	Modifications Of Parasite Protein: New Targets For Malaria	Prof. Dr. Tony Holder (Academic Icon)	13 February 2015
7.	Red Blood Cell Invasion In The Simian/ Human Malaria Parasite Plasmodium Knowlesi – An Old Model And New Threat	Dr. Robert W. Moon (Medical Research Council - National Institute For Medical Research, Uk)	16 February 2015
8.	Use Of Gis And Gravitraps For Surveillance And Control Of Dengue Vectors	Lau Sai Ming (Phd)	12 March 2015
9.	Study On Interactions Of Co-Infection Of Filarial And Malaria Parasites In Rodent And Vector Host	Junaid Olawale Quazim (Phd)	
10.	Helminth Colonization Is Associated With Increased Diversity Of The Gut Microbiota	Lee Soo Ching (Phd)	17 March 2015
11.	In-Vitro Studies On The Effects Of Herbal Extracts Against Blastocystis Hominis	Sonal Girish (Master)	20 March 2015
12.	Prevalence And Associated Risk Factors Of Giardia Infection Among Indigenous Communities In Rural Malaysia	Choy Seow Huey (Phd)	
13.	Higher Caspase-Like Activity In Symptomatic Isolates Of Blastocystis Sp.	Dhurga Devi A/P Balakrishnan (Phd)	22 April 2015
14.	The Functional Role Of Nutritional Oils In The Embryonic Development Of Mice And In Prevention Of Neural Tube Defects	Renuka A/P Gunasekaran (Master)	11 June 2015
15.	Factors That Influence The Shedding Of Blastocystis Cysts In An Irritable Bowel Syndrome (Ibs) Patient – An Evidence - Based Case Study”	Nanthiney Devi A/P Ragavan	25 June 2015
16.	Dientamoeba Fragilis – Prevalence And Significance”	ANITAMALAR Devi A/P Ragavan	
17.	Antibiotics In Ingested Human Blood Affect The Mosquito Microbiota And Capacity To Transmit Malaria	Dr. Amirah Amir (Trainee Lecturer)	3 July 2015
18.	The Jak/Stat Immune Signaling Pathway Of Anopheles Dirus In Response Towards Malaria Infection	Jonathan Liew Wee Kent (Phd)	9 July 2015
19.	Analysis Of Sarcocystis Spp. Surface Antigen Proteins For Development Of Human Sarcocystosis Serological Test Kit	Tengku Idzzan Nadzirah Tengku Idris (Phd)	
20.	The Journey Of The First Spina Bifida Occulta Mouse Model (From Department Of Parasitology, Um To Denver, Colorado)	Dr. Noraishah Mydin Abd Aziz (Senior Lecturer)	5 August 2015
21.	Genetic Variation Of Pfhrp2 In Plasmodium Falciparum Isolates From Yemen And The Performance Of Hrp2 – Based Malaria Rapid Diagnostic Test	Wahib Mohammed Mohsen Atroosh (Phd)	20 August 2015
22.	First Molecular Characterization Of Benzimidazole Resistance Of Haemonchus contortus In A Malaysian Government Farm	Tan Tiong Kai (Phd)	
23.	Malaria In Hadhramout, A Southeast Province Of Yemen: Prevalence, Risk Factors, Knowledge, Attitude And Practice (Kaps)	Omar Abdullah Ali Bamaga (Phd)	16 October 2015
24.	Myosins And Their Role In Malaria Parasite Cell Biology	Prof. Dr. Tony Holder (Academic Icon)	21 October 2015
25.	Detection Of Resistance Status Of Aedes Aegypti (Linnaeus) From Selangor Using Bioassays, Biochemical And Molecular Tools	Leong Cherng Shii (Phd)	4 November 2015
26.	Antifilarial Activity Of Methanolic Extract Of Melaleuca cajuputi Flowers	Nazeh Mohammed Al-Abd Ali (Phd)	9 December 2015
27.	PfSPZ-Based Malaria Vaccines From Concept To Licensure: Challenges And Successes In Developing A New GMP Manufacturing Process	Prof. Dr. Betty Kim Lee Sim (Visiting Professor)	22 December 2015

Parasites: South East Asian Diagnostic Laboratory (PARA:SEAD)

A. Sample yang di proses

KES	JUMLAH
Pemeriksaan Darah	944
Pemeriksaan Tinja	948
Serologi	108
PCR	24
Forensik Entamologi	9
Acanthamoeba Culture	39
Urine	4
Jumlah	2076



B. Pengajaran untuk pelajar yang menjalani latihan

- Pelajar Tahun 3 sesi 2015/2016 Program Diploma Teknologi Makmal Perubatan, Kolej Sains Kesihatan, PPUM (22/12/2014- 29/05/2015)
- Pelajar Tahun 2 sesi 2015/2016 program Diploma Teknologi Makmal Perubatan, Kolej Sains Kesihatan, PPUM (21/4/15 – 21/5/2015)
- Penempatan makmal klinikal pelajar Program Diploma Teknologi Makmal Perubatan PICOM PUSRAWI (01/12/2015- 16/01/2016)

C. Persidangan/konferen/bengkel yang disertai:

- 4th Workshop on EQAP – for neglected tropical diseases laboratories in Western Pacific Region Countries. Organised by National Institute of Parasitic Diseases, Chinese Center for Diseases Control and Prevention (NIPD), Shanghai, China.
- Peserta: En Redzuan Naziri dan Puan Hasidah Omar



En Redzuan performing ELISA test



Pn. Hasidah performing IHA test

We accept samples out of UM

1. Call 603-7967 4751 / 5735
2. Follow instructions
3. Sends sample to :
Unit of Diagnostic Parasitology UMMC, A3-30, Level 5 Block O
4. Receives result report.

Activities



Animal Awareness Day

Prof. Dr. Suresh on Astro Awani



Dr Noraishah on Star2.com 13th Jul 2015

LIVE

LEARN

WORK

PLAY



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Token of appreciation for Prof. Dr. Johari



Dr. Betty Sim on BFM Radio



Majikan perlu galak pekerja aktif melakukan kerja amal

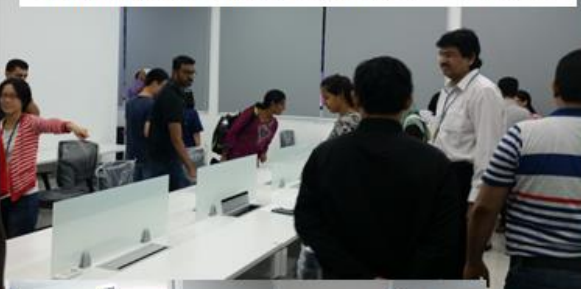
BUALA CAMPUR DI RUMAH - Majlis persembahan oleh pihak berwajib bagi memperingati Hari Kitaran Alam dan Hari Pekerja. Majlis ini diadakan di Bilik Mesyuarat Dewan Serbaguna, Kompleks Pejabat Kerajaan, Jalan Sultan Hassan, Kuala Lumpur. Majlis ini dihadiri oleh Pengerusi Majlis Perbandaran Kuala Lumpur, Datuk Seri Amir Khalid, dan beberapa pegawai kanan kerajaan. Majlis ini bertujuan untuk meningkatkan kesedaran masyarakat mengenai kepentingan kitaran alam dan peranan pekerja dalam pembangunan negara. Majlis ini juga diadakan untuk memperingati Hari Pekerja dan untuk menggalakan pekerja untuk aktif melakukan kerja amal.



Deepavali lunch



Launch of department post graduate room, 13 Nov 2015



Prof. Dr. Suresh on Utusan Melayu



Visiting an orphanage



Accreditation of Insectarium



Our International visitors (left to right): Ron F (US), Anthony H (UK), Robert M (UK), Ananias E (US), Georges S (France), Bruce R (Singapore) and Alan C (Australia) (above).



Postgraduate Students

- | | | |
|---|-----------------------------------|---|
| 1. Adibah Binti Sahmat | 2. Aida Syafinaz Binti Mokhtar | 3. Aidil Azahary Bin Abdul Rahman |
| 4. Amal R Nimir | 5. Amirah Binti Amir | 6. Anitamalar Devi A/P Ragavan |
| 7. Ching Xiao Teng | 8. Choy Seow Huey | 9. Dhurga Devi A/P Balakrishnan |
| 10. Fatin Nur Elyana | 11. Goh Xiang Ting | 12. Hany Sady Shokry Redah |
| 13. Hemalatha A/P Chandrasekaran | 14. Jeremy Ryan De Silva | 15. Jonathan Liew Wee Kent |
| 16. Junaid Olawale Quazim | 17. Lai Meng Yee | 18. Lau Sai Ming |
| 19. Lee Soo Ching | 20. Leong Cherng Shii | 21. Lina Mohammed Qaid Al-Areeqi |
| 22. Lorainne Binti Angal | 23. Mira Syahfrien Amir Rawa | 24. Mohamad Azlan Bin Abd. Majid |
| 25. Mohamad Hafiz Bin Abd Basher | 26. Mohammad Behram Khan | 27. Mona Abdullah Mohammed Al_Areeqi |
| 28. Muhammad Aidil Bin Roslan | 29. Nabil Ahmed Mohammed Nasr | 30. Nanthiney Devi A/P Ragavan |
| 31. Narong Jaturas | 32. Nava Yugavathy A/P Selvaraja | 33. Nazeh Mohammed Al-Abd Ali |
| 34. Ng Yit Han | 35. Nithyamathi A/P Kalimuthu | 36. Noor Afizah Ahmad |
| 37. Norashikin @ Suzani Bt Mohd Shahrudin | 38. Norashiqin Binti Misni | 39. Omar Abdullah Ali Bamaga |
| 40. Reena Leeba Anak Richard | 41. Renuka A/P Gunasekaran | 42. S.J.Lahvanya Raoov A/L Subramaniam |
| 43. Salwa Shehu Dawaki | 44. Sandee Tun | 45. Seyedeh Zahra Rouhani Rankouhi |
| 46. Siti Waheeda Binti Mohd. Zin @ Zain | 47. Sonal Girish | 48. Sum Jia Siang |
| 49. Sylvia Joanne | 50. Tan Tiong Kai | 51. Tengku Idzzan Nadzirah Binti Tengku Idris |
| 52. Tooba Mahboob | 53. Wahib Mohammed Mohsen Atroosh | 54. Wan Najdah Binti Wan Mohamad Ali |
| 55. Wong Meng Li | 56. Yap Nan Jiun | |

Postgraduate International Experiences

Conference

Venue: Marina Mandarin Hotel, Singapore

Date: 11-13 March 2015

Award: Travel Award, Oral Presenter

Held in the heart of Singapore city on March, 2015, the Courage Fund Infectious Disease Conference was to gather knowledge and expertise internationally in hope of changing paradigms in infectious diseases. It was a good exposure for me to gain experience and meet new people from various countries, to share ideas and different perspectives, which have at least helped me to develop more confidence. Like the old saying, "eyes opened wide, heart opened wider", the more we travel and see the world, the wider we open our heart and mind to learn and accept things around us. Singapore may not be the best country to live in but definitely one of the best places for life improvement and mind opening.



Mohammad Behram Khan

Joint International Tropical Medicine Meeting 2015 (JITMM 2015) Bangkok, Thailand
(2-4 December 2015)

My trip to Thailand for the conference was more of an adventure and it was a once in a lifetime experience for me. I was lucky enough to share the same stage with other more capable researchers. This conference was more than just a prerequisite for my graduation and it has taught me more than any textbook ever could.

Awards

University of Malaya Excellence Awards 2015

Award for Consultancy went to Dr Wan Yusoff Wan Sulaiman

Award for Excellent Lecturer (Science Discipline) went to Professor Dr Yvonne Lim Ai Lian

Anugerah Perkhidmatan Cemerlang 2014

Prof. Dr. Yvonne Lim Ai Lian

Prof. Madya Dr. Zurainee Mohamed Nor

Sijil Perkhidmatan Cemerlang 2014

Dr. Tan Tian Chye

En. Mohd Afiffudin Mohd Ali

2015 Australian Endeavour Fellowships



Ms Yap Nan Jiun (left; supervised by Prof Dr Yvonne Lim, Prof Datin Dr Indra Vythilingam and Dr Khaw Loke Tim) and Ms Wong Meng Li (right; supervised by Prof Datin Dr Indra Vythilingam and Dr Wan Yusoff Wan Sulaiman) receiving their 2015 Australian Endeavour Fellowships from the Australian High Commissioner, Mr Rod Smith.

Ms Yap was attached to University of Melbourne under the tutelage of Prof Robin Gasser (1 July -31 December 2015) whilst Ms Wong was trained at University of Queensland by Associate Prof Dr Nigel Beebe (May-September 2015).

The Farida Habib Shah Memorial Award

Jeremy Ryan De Silva

International Postgraduate Research Awards Seminar held in the High Impact Research (HIR) building in University Malaya on 10th December 2014.

I was fortunate enough to attend the International Postgraduate Research Awards Seminar held in the High Impact Research (HIR) building in University Malaya on 10th December 2014. There were many great presenters and I managed to gain valuable insight into the work of my peers in the field of molecular biology and biotechnology. I was also given the honour of receiving the Farida Habib Shah Memorial Award from the Malaysian Society for Molecular Biology and Biotechnology (MSMBB) for my work on the 'Genotyping of the Duffy Blood Group among *Plasmodium knowlesi*-Infected Patients in Malaysia'. I will fondly remember this conference for a long time to come.



Graduated Students

MMedSc | Mustakiza Binti Muslimin | Arutchelvan Rajamanikam | Ruhani Binti Yusof
Gaythri A/P Thergarajan | Hemah A/P Andiappan | Subashini A/P Onichandran
Kalyani A/P Raman | Sum Jia Siang

PhD | Cheong Fei Wen | Ahmed Khalaf Soofi Al-Delaimy



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