

CENTRES

Julius Centre University of Malaya

(Centre for Clinical Epidemiology & Evidence-Based Medicine)

Introduction

The Julius Centre University of Malaya was borne out of the collaboration between the University of Malaya (UM) and the University Medical Centre, Utrecht (UMCU). UMCU together with the Centre for Evidence-Based Medicine (CEBM), University of Oxford, the Rumah Sakit Cipto Mangunkusumo (RSCM) Hospital, Jakarta and UM had earlier won a bid under the Asia-Link project series funded by the European Union. The winning bid for this particular Asia-Link project was called the Asia-Europe Clinical Epidemiology and Evidence-Based Medicine project (fondly referred to as Asia-Link within JCUM) and required the collaboration of at least 2 European and 2 Asian partners. The project will last for 3 years (Nov 2007 to Oct 2010) and was officially launched on 19 Nov 2007 in UM. To further strengthen the ties between UMCU as well as UM, it was decided by the SPM Department that the department would set up a centre which would further the collaboration beyond the remit of the Asia-Link project. Professor Awang Bulgiba presented the proposal to create this centre to the UM Management and the centre was approved by the UM Management on 9 Jan 2008.

Renovation work to create space for the centre started in late 2008 and was completed in early 2009. Currently the centre has a Visiting Professor room, 2 work areas which are able to accommodate 12 doctoral students and 2 research officers, a utility room and a meeting room. The centre is currently equipped with 15 personal computers, printers, copy and fax machines and software. Plans are afoot to equip the centre with video-conferencing facilities to enhance communication.

The first project officer hired under the Asia-Link programme was Ms Celine Quek She Lin. She served as project officer from January to March 2008 and was succeeded by Ms Aimi Naira Mat Ruzlin who served from April to December 2008. Ms Aimi left to pursue her studies at the end of 2008 and she was succeeded by Ms Hamizwanis Abdul Hamid.

The future is bright for JCUM as it is an officially recognised research centre in the Faculty of Medicine and is expected to grow to be the referral centre for epidemiology and evidence-based medicine in Malaysia.

Aims

The aims of the JCUM are:

1. To carry out research in the field of epidemiology
2. To develop the field of epidemiology in Malaysia
3. To train medical staff in the field of epidemiology and medical statistics
4. To improve the quality of epidemiological research in Malaysia
5. To develop training and activity development programmes in epidemiology and medical statistics in the Faculty of Medicine, UM

6. To act as the centre for problem solving in research methodology and medical statistics in the country

Strengths / Expertise

The strengths of the centre lie in its expertise in statistics, epidemiology and research. As a young centre, it is still growing in stature but has proven itself capable of organising itself very well. The other main strength of the centre is its close links to its partners in the Netherlands, the United Kingdom and Indonesia.

Centre Activities

The activities of the JCUM are:

- a) Managing research activities in the field of clinical epidemiology and evidence-based medicine.
- b) Managing the Asia-Europe Clinical Epidemiology and Evidence-Based Medicine Programme.
- c) Short courses in the field of clinical epidemiology and evidence-based medicine.
- d) Student exchange programmes amongst PhD candidates between Utrecht, Oxford and Jakarta.
- e) Development of curriculum in the field of clinical epidemiology and evidence-based medicine.
- f) As a reference and advisory centre in the field of clinical epidemiology and evidence-based medicine.

Since its inception, the centre has been active in carrying out activities under the Asia-Link programme. These activities include maintaining the Asia-Europe CE & EBM website (<http://www.asialink-ce.org>), organising short courses (with UMCU, CEBM and RSCM partners), selecting PhD fellows destined for UMCU and CEBM Oxford and coming out with the clinical epidemiology and evidence-based medicine module for the MBBS programme. Two PhD fellows were selected for 2009 under the Asia-Europe Clinical Epidemiology and Evidence-Based Medicine Programme. They were Dr Ng Chong Guan and Dr Sharmini Selvarajah. Both are currently in UMCU. The following activities were carried out by the Julius Centre UM in 2009.

Research Projects

No	Title	Project No	Principal Investigator	Amount (RM)
1	Identification of Determinants For Progression To AIDS in HIV Patients Receiving Anti-Retroviral Treatments	FP080/2006A	Prof Awang Bulgiba	141,000
2	Factors Affecting Adherence To Antiretroviral Treatment In HIV Patients In Malaysia	RG006/09HTM	Prof Awang Bulgiba	222,000
3	Association of Candidate Genes Predisposing To Obesity In Malaysia	RG075/09HTM	Prof Awang Bulgiba/ Assoc. Prof Sanjay Rampal	98,000
4	Translational research in primary prevention of chronic	RG051/09HTM	Dr. Moy Foong Ming	97,300
5	Primary Prevention of chronic Diseases In Worksite	FS193/2008B	Dr. Moy Foong Ming	58,000
6	The relationship of salivary biomarkers and job stress among office workers in a multinational company using JCQ	FS195/2007C	Assoc. Prof. Retneswari	68,400
7	Salivary Cortisol and IgA markers for psychological stress-a stud of workplace stress among the police personnel	FP022/2008C	Assoc. Prof. Retneswari	68,400
8	Direct, Indirect and Intangible Cost of Occupational Disease In Malaysia	RG008/09HTM	Dr. Azlan Darus	94,500
9	Progressivity healthcare of financing in Malaysia	FS128/2008A	Dr. Ng Chiu Wan	74,000
10	Randomised Controlled Trial of Safety and Efficacy of Ziprazidone vs Aripiprazole in Schizophrenia with Metabolic Syndrome and Diabetes Mellitus	RG048/09HTM	Dr. Mas Ayu	133,470
11	Estimation of marginal cost to maintain cost to maintain quit-smoking status among ex-smokers in the Tanglin quit smoking clini, Kuala Lumpur	FS31/2008C	Dr. Tin Tin Su	59,400
12	Effectiveness of Disaster Management Programme vis-à-vis health and socioeconomic consequences for affected communities	RG092/09HTM	Dr. Tin Tin Su	64,400
13	Increasing Awareness on Breast Cancer and Enhancement of Breast Self Examination (BSE) Practise among University Malaya Female Staff	FS276/2008B	Dr. Maznah Dahlui	69,000
14	Influence of lifetime occupation on muscle strength and functional ability		Assoc. Prof. Sanjay Rampal	51,700
15	Awareness and Communication Practice of Parents of Primary School Children On Sexual Abuse In Selangor	UMRG 017/09HTM	Dr. Claire Choo Wan Yuen	128,980
16	Mercury levels in newborn Cord Blood and Maternal Blood and the Association with the Ante partum Consumption of Seafood of Pregnant Mothers in UMMC		Dr. Moy Foong Ming	74,575

Research Projects already being carried out by SPM PHD and DRPH Students (2009)

No	Title	Project No	Principal Investigator	Amount
1	Smoking Cessation at a workplace: Dynamic Process of Relapse after and 2nd administration	PS161/2009B	Dr. Siti Munira Binti Yasin	30,000
2	Planning in Smoking Cessation Attempts: A Prospective and Retrospective Cohort Study in Malaysia	Ministry of Health, Malaysia	Ms Wee Lai Hum	1,000,000
3	Survival analysis of end-stage renal disease (ESRD) patients in Malaysia	PS169/2009B	Dr. Narimah	10,000
4	Methods of determining agreement and reliability in some medical applications	PS162/2009B	Dr. Rafdzah	15,910
5	Mathematical Modelling in Tuberculosis Transmission and Impact on Early intervention (Chemoprophylaxis) in Malaysia	PS386/2009B	Dr. Nurhuda Ismail	10,100
6	Employee assistance Program (EAP) for Stress	PS175/2009B	Dr. Marzuki	17,620
7	Survival of Patients With Vascular Complication of PCI in Malaysia	PS172/2009B	Dr. Noorhaire Sumarlie	5,000
8	Telephone Lactation Counseling and Feeding Practices	PS171/2009B	Dr. Noorzakiah	17,000
9	A cervical call recall System	PS170/2009B	Dr. Fauziah	12,500
10	Effectiveness of School Based Weight Management Programme	PS186/2009B	Dr. Noraliza	20,500
11	Predictors of High Risk Sexual Behaviour	PS166/2009B	Dr. Nik Daliana	11,000

Project Descriptions

Identification of determinants for progression to AIDS in HIV patients receiving anti-retroviral treatment

Investigators: Prof Awang Bulgiba Awang Mahmud
 Dr Rahayu Lubis
 Prof Adeeba Kamarulzaman
 Devi Peramalah

Funding agency: Ministry of Higher Education

Grant: Fundamental Research Grant Scheme

Reference number: FP080/2006A

Amount: RM145,000

Period: Dec 2006-Dec 2009

This project aims to determine the predictors for progression to AIDS in HIV patients receiving anti-retroviral treatment. The study is expected to offer badly needed new knowledge and understanding of the prognosis and survival of HIV-infected patients in Malaysia. The study design is a combined retrospective and prospective cohort. The study population comes from the UMMC. Data collection for the project has completed and the results are being analysed. Preliminary results

from the study indicate that CD4 counts and type of therapy are highly influential in determining the survival of HIV and AIDS patients. The project has funded research by one PhD candidate and has so far resulted in 2 oral and 1 poster presentations by Dr Rahayu Lubis (PhD candidate). The completion of the project should result in 3 journal papers, 3 conference papers and 1 PhD thesis.

Outputs

1. Bulgiba AM, Lubis R, Peramalah D, Noran NH, Kamarulzaman A. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
2. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. Characteristics of patients diagnosed with HIV/AIDS in University of Malaya Medical Centre from 1986-2008. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
3. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. A 21-year review of HIV/AIDS patients seen in the University of Malaya Medical Centre. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur.

The process of smoking cessation in smokers attending Quit Smoking Clinics in Malaysia

Investigators: Ms Wee Lei Hum
Prof Dr Awang Bulgiba Awang Mahmud
Prof Dr Robert West (Health Behaviour Research Centre, Department of Epidemiology and Public Health, University College London) – Advisor

Funding agency: Ministry of Health Malaysia

Grant: Ninth Malaysia Plan (Research and Development)

Reference number: 53-02-03-1016 (Oracle 8531016)

Amount spent: RM520, 000

Period: January 2007 - Dec 2010

This project attempts to test a new motivational theory called the PRIME theory in understanding how smokers prepare their quit attempts. This groundbreaking theory marks a significant shift in understanding the process and determinants of behavioural change. Despite the evidence on the effectiveness of various tobacco control strategies to improve the quit rates, there appear to be gaps in understanding the processes involve in smokers' decisions to stop smoking. The study is expected to offer new insights into the process of smoking cessation and also set to discover new predictors and improve intervention strategies. The project is funded by the Ministry of Health and is expected to cost about RM1 million over 4 years. Data collection for the project has been going well and the project is on schedule for completion at the end of 2010. The project has funded research by one PhD candidate (Ms Wee Lei Hum) and has so far resulted in 9 conference papers presented by Ms Wee Lei Hum. The completion of the project should result in 4 journal papers, 5 conference papers and 1 PhD thesis.

Outputs

1. Wee LH, Bulgiba A, West R. Motivational Pathways in Smoking Cessation Attempts - A Qualitative Study. Conference on Behavioral Medicine, 25-27 January 2008, Penang, Malaysia.

2. Wee LH, Bulgiba A, West R. Factors leading up to attending Stop-Smoking Clinics in Malaysia. The UK National Smoking Cessation Conference, 30 June – 1 July 2008, Birmingham, United Kingdom.
3. Wee LH, Bulgiba A, West R. A qualitative analysis of beliefs and feelings about smoking and quitting during a quit attempt. The Society for Research in Nicotine and Tobacco, 1st Asian Regional Conference, 28-31 Oct 2008, Bangkok, Thailand.
4. Wee LH, Bulgiba A, West R. Characteristics of smokers attending Malaysian Stop Smoking Clinics. 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
5. Wee LH, Bulgiba A, West R. Factors associated with short-term success among smokers attending stop smoking clinics in Malaysia. 14th World Conference on Tobacco or Health, 8-12 March 2009, Mumbai, India.
6. Wee LH, Bulgiba A, West R. Smokers beliefs and feelings about smoking and quitting during a quit attempt: A qualitative study. UK National Smoking Cessation Conference, 22-23 June 2009, London, United Kingdom.
7. Wee LH, Bulgiba A, West R. Predictors of 4-week smoking cessation among clinic attendees in Malaysia. UK National Smoking Cessation Conference, 22-23 June 2009, London, United Kingdom.
8. Wee LH, Bulgiba A, West R. Process of smoking cessation among smokers attending stop-smoking clinics in Malaysia. Malaysia. Council for Tobacco Control Conference, 8-9 August 2009, UKM, Malaysia.
9. Wee LH, Bulgiba A, West R. Thoughts, feelings and behaviours of clients attending clinics in Malaysia. 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 December 2009, Taipei, Taiwan.
10. A paper "Exploring smoker's beliefs and feelings about smoking and quitting during a quit attempt – findings from a qualitative analysis of the SNAP model" has been submitted to the Substance Use and Misuse Journal for publication.

Mathematical Modelling in Tuberculosis Transmission and Impact on Early intervention (Chemoprophylaxis) in Malaysia

Investigators: Dr. Nurhuda Ismail
 Prof. Dr. Awang Bulgiba Awang Mahmud
 Funding agency: University of Malaya
 Grant: UM Postgraduate Research Fund
 Reference number: PS386/2009B
 Amount: RM10,100.00 (August 2009 till August 2010)
 Period: June 2009 - May 2011

Epidemic modelling generates estimates and projections of disease morbidity and mortality over time. This project aims to apply the use of deterministic mathematical models to study the progression of latent tuberculosis infection in high risk sub-populations in Malaysia, and to assess the impact of chemoprophylaxis i.e. Isoniazid Preventive Therapy on reducing incidence. It is hoped that the result will demonstrate that treatment of infectives is more effective in the first years of implementation as treatment results in clearing active tuberculosis immediately and there after chemoprophylaxis will do better in controlling the number of infectives due to reduced progression to active tuberculosis. The model also suggests that this recommended chemoprophylaxis which identify and treat persons recently infected may have a substantial effect on controlling tuberculosis epidemics. The project is funding research by one DrPH candidate (Dr. Nurhuda Ismail), currently at the development of model and data collection phase. The completion of the project should result in 2 journal papers, 2 conference papers and 1 DrPH thesis.

Factors affecting adherence to anti-retroviral treatment in HIV patients in Malaysia

Investigators: Prof Awang Bulgiba Awang Mahmud
Dr Umar Yagoub Mohammed
Dr Zamri bin Chik
Dr Christopher KC lee
Devi Peramalah
Funding agency: University of Malaya
Grant: University of Malaya Research Grant
Reference number: UMRG/RG006/09HTM
Amount: RM 222,200
Period: April 2009-March 2012

This project aims to determine the true level and determinants of adherence to anti-retroviral treatments in HIV positive patients in Sungai Buloh Hospital, Malaysia. It will also be used to validate self- reporting instruments as a means of testing adherence. This is the first study on adherence to antiretroviral treatment in Malaysia and expected to help in improving the clinical management of HIV/ AIDS patients, reduce drug resistance and treatment failure and more importantly provide the different pharmacy departments with sufficient information about the effect of their prescribed medications which will enable the country to avoid wastage of expensive medication. The study is a combined retrospective and prospective cohort in which a self-reported medication adherence questionnaire is administered and blood samples collected for analysis by mass spectrometry, while pharmacy records and medical test results are collected from medical electronic records retrospectively. The project will fund research by one PhD candidate (Dr Umar Yagoub Mohammed). The completion of the project should result in 3 journal papers, 3 conference papers and 1 PhD thesis.

Survival analysis of end-stage renal disease (ESRD) patients in Malaysia

Investigators: Dr Narimah Hanim Ibrahim
Prof Awang Bulgiba Awang Mahmud
Funding agency: University of Malaya
Grant: UM Postgraduate Research Fund

Reference number: PS 169/2009B
Amount: RM 10,000
Period: August 2009 - August 2010

This study aims to prognosticate the 5-year and 10-year survival probabilities and to prognosticate CVD-specific mortality among End-Stage Renal Disease (ESRD) patients in Malaysia. It is a cohort study involving all ESRD patients registered in either NRR or NTR between 1992 and 2008. Prognostic factors of interest are predictors for better survival for example younger age group, non-smoking patients, no history of existing co-morbidities, good social support, less immunologic risks and normal biochemical data (normal cholesterol level, no Hepatitis B, no Hepatitis C, HIV negative). This study will come out with scoring models to predict the survival probabilities of ESRD patients in Malaysia. This will be very useful especially to the healthcare provider to improve the management of renal failure patients and also the Ministry of Health and other agencies which contributed to the service in terms of planning and expanding the services in future. The project will fund research by one PhD candidate (Dr Narimah Hanim Ibrahim). The completion of the project should result in 2 journal papers and 1 DrPH thesis.

Methods of determining agreement and reliability in some medical applications

Investigator: Dr Rafdzah Ahmad Zaki
Prof Awang Bulgiba Awang Mahmud
Funding agency: University of Malaya
Grant: UM Postgraduate Research Grant
Reference number: PS162/2009B
Amount: RM15,910
Period: June 2009 - June 2011

The purpose of this study is to compare different statistical methods of measuring agreement and reliability, and to propose a method using regression analysis for measuring agreement. This study will present a direct comparison of commonly used statistical methods to measure agreement and reliability. This study aims to make recommendations on which method is the most appropriate method to use to measure agreement and reliability. This is a cross-sectional study, where the study population comes from the UM Wellness programme and community-based health screening program. Phase I of data collection has been completed (variables: Systolic BP, Diastolic BP, Heart Rate, and Glucose level). Phase II of data collection (variables: CO level, Peak Flow Rate, Weight and Temperature) is now on going at the UM Wellness Quit Smoking Clinic. This study is funding research by one DrPH candidate (Dr Rafdzah Ahmad Zaki). The completion of this project should result in 3 journal papers, at least 2 conference papers and 1 DrPH thesis.

Output:

1. Systematic review paper: A Review of Statistical Method used to Measure Agreement in Medicine – in process of writing up paper

Primary Prevention of Chronic Diseases in Worksite

Investigators: Dr Moy Foong Ming
Dr Victor Hoe Chee Wai Abdullah
Assoc. Prof Sanjay Rampal
Prof Awang Bulgiba Awang Mahmud

Funding agency: University of Malaya

Grant: UM Short-term grant

Reference number: FS193/2008B

Amount: RM58,000

Period: March 2008-December 2009

Worksite health promotion has been associated with a reduction in health risks and promotion of healthy lifestyles, improvements in economic and productivity factors including medical costs, compensation benefits, employee absenteeism and job satisfaction. This study aimed to track the pre- and post-intervention of participants and non-participants. Universal sampling on all staff aged 40 years and above was used. Data was collected through a pre-tested questionnaire which covers socio-demographic characteristics, medical history, lifestyle behaviors (physical activity, diet and eating pattern, smoking status, stress), barriers and triggers for healthy lifestyle behaviours. Health promotion program in educating the participants on diet, physical activities, quit smoking and stress management are planned and will be introduced in stages. A wellness website was also set up as a tool of health education.

Outputs

1. Moy FM & Bulgiba AM. Obesity & metabolic syndrom in a wellness cohort in Kuala Lumpur. Proceedings of MASO 2009 Scientific Conference on Obesity. pg 29.
2. Moy FM & Bulgiba AM. Association of serum urate with risk factors of Metabolic Syndrome. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan. Pg. 41

Translational research in primary prevention of chronic diseases in a workplace

Investigators: Dr Moy Foong Ming
Prof Awang Bulgiba Awang Mahmud
Assoc. Prof Sanjay Rampal
Dr Victor Hoe Chee Wai Abdullah

Funding agency: University of Malaya

Grant: Research University Grant

Reference number: RG051/09HTM

Amount: RM97,300

Period: March 2009 - December 2010

Primary prevention of chronic diseases is proven to be much more cost effective than secondary and tertiary prevention. Multiple approaches at different settings are needed to combat the increase burden of these diseases. Worksite health promotion which is comprehensive with multiple

approaches has been associated with a reduction in health risks and promotion of healthy lifestyles, improvements in economic and productivity factors including medical costs, compensation benefits, employee absenteeism and job satisfaction. This proposed study will try to translate evidences from clinical trials to the worksite setting through health education with behavioural change, environmental support and participation from the management of the university. This study is supporting 2 DrPH and 2 Master candidates.

Determinants of clinical outcomes among ACS patients following PCI in UMMC

Investigators: Dr. Noorhaire Sumarlie B. Nordin
Dr. Moy Foong Ming
Assoc. Prof. Imran Zainal Abidin
Funding agency: University of Malaya
Grant: UM Postgraduate Research Grant
Reference number: PS172/2009B
Amount: RM 5,000
Period: August 18, 2009 – August 17, 2010

The aims of this study are to identify different determinants or predictors of clinical outcomes following PCI among ACS patients in UMMC, Malaysia as well as develop a prognostic model for the risk of these outcomes following PCI. Besides that this study plans to describe the HRQOL outcome following PCI in UMMC. This study will be the first study to identify the predictors of outcomes of PCI and provide knowledge in terms of local management in Malaysia. The prognostic model can be used as a tool for stratifying patients according to the risk of outcomes and as a simple bedside scoring system. The study design is a prospective cohort study. The study population is selected from all ACS patients who are admitted to the cardiology ward and undergo PCI in the UMMC. Data collection for the study is still ongoing. The project has funded research on one DrPH candidate. The completion of the study should result in 1 DrPH thesis and 3 journal papers.

Influence of lifetime occupation on muscle strength and functional ability

Investigators: Assoc Prof Sanjay Rampal
Dr Moy Foong Ming
Dr Victor Hoe Chee Wai Abdullah
Prof Awang Bulgiba Awang Mahmud
Funding agency: University of Malaya
Grant: UM Short term Grant
Amount: RM51,700
Period: March 2008- June 2009

Output:

1. Kee KW, Chang EWH, Toh TH, Siow CS, Leong YH, CRP Bentong, Hoe VCH, Rampal S, Moy FM. 2008. Handgrip strength of rural elderly in Pahang, Malaysia. Proceedings of the 40th Asia Pacific Academic Consortium of Public Health. pg 126

Built environment factors, individual factors and social factors affecting adolescents' physical activity behaviour

Investigators: Rosalia Saimon
 Prof Awang Bulgiba Awang Mahmud
 Dr Claire Choo Wan Yuen

Funding agency: University of Malaya

Grant: UM Postgraduate Research Fund

Reference number: PS200/2009C

Amount: RM16,000

Period: Jan 2010 – Dec 2011

Physical inactivity is a global health hazard on its own contributing to mammoth public health problems. Thus this project aims to determine the relationship between built environment factors, individual factors and social factors affecting adolescents' physical activity (PA) behaviour. There is a pressing need for more scientific and rigorous data on built environment and physical activity research as ecological models open up a broader range of interventions to increase physical activity and combat obesity in Malaysia. This mixed method research uses a sequential transformative designs. In the qualitative phase, data will be collected through photovoice techniques, in-depth interviews, and focus group discussions. The study has been conducted with adolescents and parents in the rural and urban neighbourhoods to explore specific themes and domains, identify hypotheses and construct items. Data generated from the interviews will inform the subsequent survey designed for larger samples in the quantitative phase. The quantitative data will use structural equation modelling (SEM) to examine the relationship between latent variables in a single model. Data collection is still in progress. The project will support one PhD student and is expected to result in 3 journal papers and 1 PhD thesis.

Short Courses

Date	Event
14-16 Jan 09	Logistic regression for medical research
12 & 13-14 Feb 2009	Fifth and Sixth Asia-Link course in UM (Systematic Review)
16 Feb 2009	Seventh Asia-Link course in UM (The Practice of EBM)
20-22 Apr 2009	Eighth Asia-Link course (Design of Aetiologic Research)
6 May 09	Using EndNote X1
14-16 Jun 2009	Ninth Asia-Link course (Train the trainers)
Aug 2009	CE & EBM module for MBBS started
Sept 2009	Second batch of PhD fellows (Sharmini Selvarajah and Ng Chong Guan for UMCU) First PhD fellow (Nirmala Bhoo Pathy returns to continue PhD in Malaysia)
30 Sept – 2 Oct 2009	Tenth Asia-Link course (Clinical Epidemiology)
6 Oct 2009	Using EndNote X1
8-10 Oct 2009	Eleventh Asia-Link course (Evidence-Based Practice)

For 2010, JCUM is expected to mature further. JCUM is expected to house a total of 12 PhD/DrPH students in 2010.

Consultancies & Special Services:

Consultancies

1. R076477SCH3022 Study: An Open-label Prospective Trial to Explore the Tolerability, Safety and Efficacy of Flexibly Dosed Paliperidone ER in Subjects With Schizophrenia. Janssen-Cilag (ongoing)
2. Malaysian HIV/AIDS Estimation Project. Economic Planning Unit, Prime Minister's Department (ongoing)
3. RISSCH4210 Study: A Multi-center, Retrospective, Comparative Study to Investigate Drug Utilization Patterns and Treatment Period Associated with Atypical Antipsychotics treatment in Schizophrenia or Schizoaffective Disorders: Aripiprazole, Olanzapine, Quetiaine, and Risperidone. Janssen-Cilag (completed)

Members

No	Name	Faculty/Department
1	Prof Dr Awang Bulgiba Awang Mahmud	Social and Preventive Medicine
2	Dr Sanjay Rampal	Social and Preventive Medicine
3	Dr Moy Foong Ming	Social and Preventive Medicine
4	Dr Claire Choo Wan Yuen	Social and Preventive Medicine
5	Dr Noran Naqiah Mohd Hairi	Social and Preventive Medicine
6	Dr Mas Ayu Said	Social and Preventive Medicine
7	Mr Mohd Roshidi Ismail	Social and Preventive Medicine
8	Dr Liew Su-May	Primary Care Medicine
9	A/Prof Dr Retneswari Masilamani	Social and Preventive Medicine
10	Dr Azlan Darus	Social and Preventive Medicine
11	Dr Htay Moe	Social and Preventive Medicine
12	Prof Dr Patrick Tan Seow Koon	Anaesthesiology
13	Prof Dr Samsinah Hussain	Pharmacy
14	Prof Dr Kulentheran Arumugam	Medical Education and Research Development Unit
15	A/Prof Dr Saimy Ismail	Social and Preventive Medicine
16	A/Prof Dr Chua Siew Siang	Pharmacy
17	A/Prof Dr Wong Yut Lin	Merdu
18	A/Prof Dr Noor Azina Ismail	Dept of Applied Statistics, Faculty of Economics
19	Prof Dr Lucy Lum Chai See	Paediatrics
20	Dr Gan Chin Seng	Paediatrics
21	Dr Veeranoot Nissapatorn	Parasitology/ Medicine
22	Dr Mohamad Shariff Abdul Hamid	Sport Medicine Unit

23	Mrs Loh Siew Yim	Rehab Medicine
24	Mrs Rasnah Abdul Rahman	Nursing
25	Dr Si Lay Khaing	Obstetric & Gynaecology
26	Dr Maznah Dahlui	Social & Preventive Medicine
27	Dr Zulkarnain Jaafar	Sport Medicine Unit
28	A/Prof Dr Jessie De Bruyne	Paediatrics
29	Dr Anna Maria Nathan	Paediatrics
30	A/Prof Dr Khatijah Lim Abdullah	Nursing
31	Dr Abdul Halim Mokthar	Sport Medicine Unit
32	Mrs Shireen Alwi	Pharmacy
33	Dr Nurliza Khaliddin	Ophthalmology
34	Dr Ng Chiu Wan	Social and Preventive Medicine

External Membership

No	Name	Name of Agency
1	Prof Yolanda van der Graaf	Julius Centre, University Medical Centre, Utrecht, The Netherlands
2	Prof Diedrick Groebbe	Julius Centre, University Medical Centre, Utrecht, The Netherlands
3	Prof Arno Hoes	Julius Centre, University Medical Centre, Utrecht, The Netherlands
4	Prof Paul Glasziou	Centre for Evidence-Based Medicine, University of Oxford, United Kingdom
5	Associate Prof Cuno Uiterwaal	Julius Centre, University Medical Centre, Utrecht, The Netherlands

Support Staff

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