



Professor Dr Peh Suat Cheng

MBBS, MPath, MD, PhD, FRCPA, MRCPATH, FRCPath

Position:

- Director, Sunway Institute for Healthcare Development
- Special Adviser on Life Sciences Translational Research Development and Research Professor cum Professor of Pathology

Email:

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Professor Peh joins Sunway University with 40 years' experience in academia. Starting off her career as a lecturer, Professor Peh has worked her way up to being professor and head of department. Prior to her current position with Sunway University, she was dean of a medical faculty with one of the private university in Malaysia. She is also a senior consultant at a leading private hospital.

With a specialisation in pathology and interest in cancer research, she has published her work extensively in national and international peer-reviewed journals and co-authored the WHO reference book on Tumours of the Haematopoietic and Lymphoid tissues. She holds two doctorate degrees, including an MD from the University of Leicester, United Kingdom and a PhD from the University of Groningen in the Netherlands. She also holds a Master of Pathology from the University of Malaya and is a Fellow of both the Royal Colleges of Pathologists of Australasia and the United Kingdom. In addition to teaching and research, Dr Peh is an active practising clinician.

Teaching Experience:

Professor Peh has over 40 years of academic experience in program development and management and teaching experience for both undergraduate and postgraduate students in anatomic pathology. She has been the frequent speakers for both national and international conference, workshops, and seminars.

Research Grants and Awards As PI

F-Vote, University of Malaya, 1988 – Principle Investigator

Amount: RM 4,100.00

CMB, University of Malaya, 1989 – Principle Investigator

Amount: RM 20,200.00

IRPA, Ministry of Science, 1995 – Principle Investigator

Pilot project: "Molecular Pathology of Lymphoproliferative Disease"

Amount: RM 35,000.00

IRPA, Ministry of Science, 1996-1998 (06-02-03-0176) – Principle Investigator
“Molecular Pathology and Aetiology of Malignant Lymphoma”

Amount: RM 183,000.00

IRPA, Ministry of Science, 1999-2001 (06-02-03-0576) – Principle Investigator
“The Role of Human Herpes Virus and Their Latent Gene Expression in Hodgkin’s Disease”

Amount: RM 209,000.00

IRPA, Ministry of Science, 1999-2001 (06-02-03-0619) – Principle Investigator
“Apoptosis and Tumour Necrosis Factor in Neoplasia”

Amount: RM 147,000.00

NBD (National Biotech Directorate) Top-down grant, 1999-2002 (26-02-03-0586) – Principle Investigator

A multicentre collaborative project of UM, UKM, UNIMAS and Univ. Groningen
“Interactions of Tumour, Host and Virus Factors in Growth and Progression of Malignant Lymphomas”

Amount: RM 909,000.00

Upgrading of infrastructure: RM 370,000.00

IRPA, Ministry of Science, 2003-2006 (06-02-03-1014) – Principle Investigator
“Chromosomal Alterations and Malignant Lymphomas”

Amount: RM 273,000.00

CMB, University of Malaya, 2005-2006 (CMB 181.61241.8122232) – Principle Investigator

“The Role of AKT Signalling Pathway in Malignant Lymphomas”

Amount: RM 10,000.00

Ministry of Health, Malaysia, 2006 (67-02-03-0020) – Co-Investigator

“Collaborative Research with IMR on Multiple Antigen Expression Techniques”

Amount: RM 88,200.00

University of Malaya, 2006 (67-02-03-0024) – Principle Investigator

“Collaborative Research Project with Cambridge University”

Amount: RM 300,000.00

University of Groningen, The Netherlands, 2006 (67-02-03-0015) – Co-Investigator

“Collaborative Study on Malignant Lymphoma with University of Groningen”

Amount: RM 40,993.14

Ministry of Higher Education, Malaysia, 2006 (FP083/2006A) – Principle Investigator

“Biology of Cancer Stem Cell in Lymphoma of the T/NK Type and Related Tumours”

Amount: RM 119,000.00

E-Science, Ministry of Science, 2006 (12-02-03-2025) – Principle Investigator

“The Role of Viral Genomes in Kinase Activities and Protein Expression Profile in Lymphoma”

Amount: RM 246,200.00

E-Science, Ministry of Science, 2006 (12-02-03-2002) – Co-investigator

“Gene Expression and Biological Properties of Epstein-Barr Viral Gene Transfected Cells”

Amount: RM 158,000.00

E-Science, Ministry of Science, 2006 (12-02-03-2023) – Co-Investigator

“Association Study of Single Nucleotide Polymorphisms in Selected Candidate Genes and non-Hodgkin’s Lymphoma in the Malaysian Populations”

Amount: RM 150,000.00

University of Malaya (PJP), 2007 (FS172/2007C) – Principle Investigator

“Genetic Alteration of Tumour Suppressor Genes $p16^{INK4a}$ and $p15^{INK4b}$ in Diffuse Large B Cell Lymphoma”

Amount: RM 50,000.00

University of Malaya (PPP), 2007 (PS293/2007B) – Co-Investigator

“Epstein-Barr Virus Latent Membrane Proteins in Hodgkin’s Lymphoma Immunology and Survival”

Amount: RM 30,000

Fundamental Research Grant Scheme (FRGS), MOE, 2014-1016– Principle Investigator

“FISH detection on Gene Rearrangement of Malaysian Lymphomas”

Amount: RM 172,960

Collaborator in awarded grant:

IMR: Alterations of p53 and Rb2/p130 genes in Malaysian nasopharyngeal carcinoma samples - status: completed

IMR: Preliminary studies on Tumour Initiating Cells (“Cancer Stem Cells”) of Nasopharyngeal Carcinoma - status: completed

IMR: Identification and characterization of cancer stem cells in nasopharyngeal carcinoma (NPC) samples - status: on-going

Regular update courses for the following:

Slide workshop of the EAHP: Participant and contributor of workshop cases every 2 years from 1992 to date

Long and short courses, slide seminars in IAP International Congresses: every 2 years from 1992 to date

Long and short courses, slide seminars in European Society of Pathology Congresses: every 2 years from 1992 to date

Long and short courses, slide seminars in USCAP Meeting: yearly from 1998 to date

Regular updates from the following meetings and conferences:

Symposiums and scientific sessions of the Meeting of the EAHP: every 2 years from 1992 to date

Symposiums and scientific sessions of the IAP International Congresses: every 2 years from 1992 to date

Symposiums and scientific sessions of the in European Society of Pathology Congress: every 2 years from 1992 to date

Symposiums and scientific sessions of the Malaysian Society of Pathologist/ College of Pathologists from 1979 to date

Symposiums and scientific sessions of the Malaysian- Singapore Congress of Medicine from 1995 to date

Research Interests:

1. Immunohistochemistry
2. Laser capture microdissection
3. Cell culture
4. Laser microdissection
5. Molecular Biology
6. Cell Biology
7. Cancer Research
8. Cancer Biology
9. Pathology
10. Gene Regulation
11. Cell Signalling
12. Molecular Cytogenetic

Scholarly Activities/ Industry Experience

Member of Editorial Board

- a) Journal of Haematopathology
- b) Chinese Journal of Pathology
- c) Pathobiology
- d) Journal of the University of Malaya Medical Centre (JUMMEC)

Reviewer of articles and books

International:

- a) *Journal of Clinical Pathology*
- b) *Pathology*
- c) *British Journal of Haematology*
- d) *Chinese Journal of Pathology*

Local & regional:

- a) *The Malaysian Journal of Pathology*
- b) *The Medical Journal of Malaysia*
- c) *JUMMEC*

Selected Publications:

- Chan JKC, Quintanilla- Martinez L, Ferry JA, Peh, SC. Extranodal NK/T Cell lymphoma, nasal-type (2008). In Swerdlow SH, Campo E, Harris NL, et al. *WHO classification of tumours of haematopoietic and lymphoid tissues*. 4th ed. Lyon, France: IARC Press, 2008.
- Susan Ling Ling Hoe, Lu Ping Tan, Juliana Jamal, Suat Cheng Peh, Ching Ching Ng, Wen Cai Zhang, Munirah Ahmad and Alan Soo Beng Khoo. Evaluation of stem-like side population cells in a recurrent nasopharyngeal carcinoma cell line. *Cancer Cell International* 2014, 14:101
- Potu BK, S Jagadeesan, Thidar Aung, Wana Hla Shwe and Peh SC.
Scope of anatomy teaching in problem-based learning (PBL) sessions of integrated medical curriculum. *International Journal of Morphology* 2013; 31(3):899-901
- Huzlinda H, Jayalakshmi P, Peh SC.
The Role of CD10 Immunohistochemistry in the Grading of Phyllodes Tumour of the Breast.
J Interdiscipl Histopathol 2013; 1(4): 195-203, 2013
- Khoo JJ, Gunn A, Peh SC.
Pattern of hMLH1, hMLH2 and hMLH6 expression and clinical characteristics in a sample of Malaysian colorectal carcinoma.
Malaysian J Pathol 2013; 35(1): 45-57, 2013.
- Lee ES, Kim LH, Abdullah WA, Peh SC.
[Expression and alteration of p16 in diffuse large B cell lymphoma.](#)
Pathobiology 2010; 77(2):96-105.
- Wong KK, Prepageran N, Peh SC.
[Prognostic subgroup distribution in diffuse large B-cell lymphoma of the upper aerodigestive tract.](#)
Pathology 2009; 41(2):133-9.
- Tan LP, Wang M, Robertus JL, Schakel RN, Gibcus JH, Diepstra A, Harms G, Peh SC, Reijmers RM, Pals ST, Kroesen BJ, Kluin PM, Poppema S, van den Berg A.
[miRNA profiling of B-cell subsets: specific miRNA profile for germinal center B cells with variation between centroblasts and centrocytes.](#)
Lab Invest. 2009 Jun; 89(6):708-16.
- Pang MF, Lin KW, Peh SC.
[The signaling pathways of Epstein-Barr virus-encoded latent membrane protein 2A \(LMP2A\) in latency and cancer.](#)
Cell Mol Biol Lett. 2009; 14(2):222-47.
- Hoe SLL, Lee ES, Khoo ASB, Peh SC
Lack of Rb2/p130 Genetic Alteration in Malaysian Nasopharyngeal Carcinoma.
Malaysian Journal of Pathology 2009; 31 (1): 53-56.
- Hoe SLL, Lee ES, Khoo ASB, Peh SC.
p53 and nasopharyngeal carcinoma: A Malaysian study.
Pathology 2009; 41 (6): 561-565.

Kouichi Ohshima, Hiroshi Kimura, Tadashi Yoshino, Chul Woo Kim, Young H. Ko, Seung-Suk Lee, Suat-Cheng Peh, John KC Chan and The CAEBV Study Group Proposed categorization of pathological states of EBV- associated T/natural killer-cell phoproliferative disorder (LPD) in children and young adults: Overlap with chronic active EBV infection and infantile fulminant EBV T-LPD
Pathology International, 2008; 58: 209-217.

Peh SC

Chapter 5.26: Selected Cancer Sites in Peninsular Malaysia, 2003-2005: Lymphoma In GCC Lim, S Rampal, Y Halimah (Eds). Cancer Incidence in Peninsular Malaysia, 2003-2005. National Cancer Registry. Kuala Lumpur 2008.

Pathology International, 2008; 58: 209-217 Kim LH, Peh SC and Poppema S
 Dual Variant of EBV in Hodgkin/ Reed- Sternberg Cell: Single Cell PCR Study on LMP-1 Gene
International Journal of Cancer, 2003; 107: 250-255.

Sanvej K, Peh SC, Andresen BS and Pallesen G

Identification of Potential Hot Spots in the Carboxy Terminal Part of the Epstein-Barr Virus (EBV) BNLF-1 Gene in Both Malignant and Benign EBV-Associated Disease: High Frequency of a 30-bp Deletion in Malaysian and Danish Peripheral T-cell Lymphomas
Blood, 1994; 84: 4053-4060.

Peh SC and Lindop GBM

Chronic Pyelonephritis: The Significance of Renal Renin and the Vascular Changes in the Human Kidney
Journal of Pathology, 1991; 163: 343-349.

Merit awards in academic/ professional field

Name of Award/Prize	Awarding Body	Year
University of Malaya Merit Award	University of Malaya, Kuala Lumpur	1987
British High Commissioner's Award	British High Commissioner Malaysia	1989
British High Commissioner's Award	British High Commissioner Malaysia	1991
Bectin Dickinson Award	Malaysian Society of Pathologists, Malaysia	1991
Bectin Dickinson Award	Malaysian Society of Pathologists, Malaysia	1995
UICC Fellowship Award	International Union Against Cancer, Geneva	1993
UICC Fellowship Award	International Union Against Cancer, Geneva	1997
Best Presentation (Pathology)	Health Sector Research Conference, Faculty of Medicine, UM	1993
Bectin Dickinson Award	College of Pathologists, Malaysia	2003
University of Malaya Merit Award	University of Malaya, Kuala Lumpur	2007

Professional Membership/ Affiliations:

1. Malaysian Society of Pathologists/ College of Pathologists, 1979 to date
2. Member, The Royal College of Pathologists, United Kingdom, 1985 to 1995
3. Fellow, The Royal College of Pathologists, United Kingdom, 1995 to date
4. Fellow, Royal College of Pathologist Australasia, 2001 to date
5. Member, Pathological Society of Great Britain & Ireland, U.K 1988 to date
6. Member, European Association of Haematopathology, 1988 to date
7. Member, Malaysian Oncological Society, 1989 to 2009
8. Member, Malaysian Gastroenterology Society, 1993 to 2009
9. Member, Academic member, Academy of Medicine, Malaysia, 1993 to date
10. Member, American Society of Haematopathology, 1996 to date