

CURRICULUM VITAE



A. Personal Details			
Full Name	Ho, Kok Lian		Title: Dr.
Designation:	Citizenship:	Race:	Gender:
Associate Professor	Malaysia	Chinese	Male

Department/Faculty	Email and URL
Department of Pathology, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor. Tel: 03-8947-2729 (Office) 012-3368773 (Mobile) Fax: 03-8941-2787	klho@upm.edu.my ORCID: 0000-0002-5778-4729 Scopus ID: 18233493700

B. Academic Qualifications			
<i>Certificate / Qualification obtained</i>	<i>Name of School/ Institution</i>	<i>Year obtained</i>	<i>Area of Specialization</i>
Ph.D.	University of Edinburgh	2009	Structural biochemistry
M.Sc.	Universiti Putra Malaysia	2001	Molecular Biology
B.Sc. (Hons.)	Universiti Putra Malaysia	1999	Biochemistry & Microbiology

D. Scientific Experience and Specialization				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
eBic Electron Bio-Imaging Centre (eBIC), Didkot, UK	Researcher	15 th April 2017	29 th April 2017	Cryo-electron microscopy (Krios Titan 300 kV)
University of Glasgow	Visiting scientist	1 st April 2016	31 st Dec 2016	Cryo-electron microscopy (200 kV)
Diamond Light Source, Didkot, Oxford, UK (MX 8471)	Project leader	17 th May 2013	18 th May 2013	Synchrotron X-ray data collection

Diamond Light Source, Didkot, Oxford, UK (MX4921)	Project leader	13 th Dec 2013	14 th Dec 2013	Synchrotron X-ray data collection
Diamond Light Source, Didkot, Oxford, UK (MX 5901)	Project leader	20 th Dec 2012	21 st Dec 2012	Synchrotron X-ray data collection
Synchrotron Light Research Institute, Thailand	Project leader	16 th July 2012	21 st July 2012	X-ray data collection
Diamond Light Source, UK	Researcher	14 th Feb 2009	15 th Feb 2009	Synchrotron X-ray data collection
ESRF, Grenoble, France	Researcher	2005	2009	Synchrotron X-ray data collection (Various trips)
SRS Daresbury, UK	Researcher	2005	2008	Synchrotron X-ray data collection (various trips)
University of York, UK	PhD student	10 th April 2007	15 th April 2007	X-ray crystallography

E. Employments

<i>Employer</i>	<i>Designation</i>	<i>Department</i>	<i>Start Date</i>	<i>Date Ended</i>
Edinburgh University	Research Fellow	Institute of Structural & Molecular Biology	03/2008	03/2009
Southern Edible Oil (M) Sdn. Bhd.	Quality control executive	Quality control	11/1998	06/1999
Universiti Putra Malaysia	Research Assistant	Dept of Biochemistry	06/1999	11/1999

F. Honours and Awards

<i>Name of awards</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
High Performance Researcher 2017	Faculty of Medicine and Health Sciences, Universiti Putra Malaysia	University	2018
Wellcome Trust Research Fellowship	The Wellcome Trust for Cell Biology, University of Edinburgh	International	2008-2009
Darwin Trust Postgraduate Scholarship	The Darwin Trust of Edinburgh	International	2004-2007
Graduate Research Assistantship	Universiti Putra Malaysia	University	1999-2001

G. List of publications – Author(s), title, journal, volume, page and year published

<i>Journal</i>	
	1. Thong QX, Roya Biabanikhankahdani, Ho Kok Lian , Noorjahan Banu Alitheen, Wen Siang Tan. (2019). Thermally-responsive Virus-like Particle for Targeted Delivery of Cancer

Drug. *Scientific Reports*. (accepted).

2. L. C. Chong, H. Ganesan, CY Yong, WS Tan, and **KL Ho**. (2019). Expression, purification and characterization of the dimeric protruding domain of *Macrobrachium rosenbergii* nodavirus capsid protein expressed in *Escherichia coli*. *PLoS One.*, **14** (2), e0211740.
3. **Ho KL**, Gabrielsen M, Beh PL, Kueh CL, Thong QX, Streetley J, Tan WS, Bhella D. (2018). Structure of the *Macrobrachium rosenbergii* nodavirus: A new genus within the Nodaviridae? *PLoS Biol.*, **16** (10), e3000038.
4. A Rahaman SN, Mat Yusop J, Mohamed-Hussein ZA, Aizat WM, **Ho KL**, Teh AH, Waterman J, Tan BK, Tan HL, Li AY, Chen ES, Ng CL. (2018). Crystal structure and functional analysis of human C1ORF123. *PeerJ.*, **6**, e5377.
5. Thong QX, Wong CL, Ooi MK, Kueh CL, **Ho KL**, Alitheen NB, Tan WS. (2018). Peptide inhibitors of *Macrobrachium rosenbergii* nodavirus. *J Gen Virol.*, **99**(9), 1227-1238.
6. Gan BK, Yong CY, **Ho KL**, Omar AR, Alitheen NB, Tan WS. (2018). Targeted Delivery of Cell Penetrating Peptide Virus-like Nanoparticles to Skin Cancer Cells. *Sci Rep.* 8 (1):8499.
7. Roya Biabanikhankahdani, **Kok Lian Ho**, Noorjahan Banu Alitheen, Wen Siang Tan. (2018). A Dual Bioconjugated Virus-Like Nanoparticle as Drug Delivery System and Comparison with pH-responsive Delivery System. *Nanomaterials (Basel)*. **8**(4). pii: E236.
8. Cheng Seng Tan, Maizom Hassan, Zeti Azura Mohamed Hussein, Ismanizan Ismail, **Kok Lian Ho**, Chyan Leong Ng, Zamri Zainal. (2017). Structural and kinetic studies of a novel nerol dehydrogenase from *Persicaria minor*, a nerol-specific enzyme for citral biosynthesis. *Plant Physiology and Biochemistry*, **123**, 359-368.
9. Hui Kian Ong, Wen Siang Tan, **Kok Lian Ho**. (2017). Virus like particles as a platform for cancer vaccine development. *PeerJ.*, **5**, e4053.
10. Roya Biabanikhankahdani, Saadi Bayat, **Kok Lian Ho**, Noorjahan Banu Mohamed Alitheen, Wen Siang Tan. (2017). A simple add-and-display method for immobilisation of cancer drug on His-tagged virus-like nanoparticles for controlled drug delivery. *Scientific Reports*, **7**, 5307.
11. Swee Lu Lim, Chien-Wei Ooi, Wen Siang Tan, Eng-Seng Chan, **Kok Lian Ho**, Beng Ti Tey (2017). Biosensing of hepatitis B antigen with poly (acrylic acid) hydrogel immobilized with antigens and antibodies. *Sensors and Actuators B: Chemical*, **252**, 409-417.
12. **Kok Lian Ho**, Chare Li Kueh, Poay Ling Beh, Wen Siang Tan, David Bhella. (2017). Cryo-electron microscopy structure of the *Macrobrachium rosenbergii* nodavirus capsid at 7 angstroms resolution. *Scientific Reports*, **7**, 2083.
13. Elaine Chin Jinfeng, Mohamed Ikhtifar, Mohamad Rafi, Khoo Chai Hoon, **Ho Kok Lian**, Cheah Yoke Kqueen. (2017). Analysis of chemical constituents, antimicrobial and anticancer activities of dichloromethane extracts of *Sordariomycetes sp.* endophytic fungi isolated from *Strobilanthes crispus*. *World Journal of Microbiology and Biotechnology*, **33**, 1-19.
14. Nurhikmah Mohd-Sharif, Sofiyah Shaibullah, Vasanthakumar Givajothi, C-S Tan, **Kok Lian Ho**, A-H Teh, Syarul Nataqain Baharum, Jitka Waterman, Chyan Leong Ng (2017). Crystallization and X-ray crystallographic analysis of recombinant Ty1P, a putative γ -butyrolactone receptor protein from *Streptomyces fradiae*. *Acta Crystallographica Section F: Structural Biology Communications*, **73**, 109-115.
15. Roya Biabanikhankahdani, Noorjahan Banu Mohamed Alitheen, **Kok Lian Ho**, Wen Siang Tan. (2016). pH-responsive virus-like nanoparticles with enhanced tumour-targeting ligands for cancer drug delivery. *Scientific Reports*, **6**, 37891.
16. Jyh Yea Chia, Wen Siang Tan, Chyan Leong Ng, Nien-Jen Hu, Hooi Ling Foo, **Kok Lian Ho** (2016). A/T run geometry of B-form DNA is independent of bound Methyl-CpG binding domain, cytosine methylation and flanking sequence. *Scientific Reports*, **6**, 31210.
17. Narcisse Joseph, **Kok Lian Ho**, Beng Ti Tey, Chon Seng Tan, Norazizah Shafee, Wen Siang Tan (2016). Production of the virus-like particles of nipah virus matrix protein in

pichia pastoris as diagnostic reagents. *Biotechnology Progress*, **32**, 1038-1045.

18. Kian Piaw Chai, Noor Farhan Binti Othman, Aik-Hong Teh, **Kok Lian Ho**, Kok-Gan Chan, Mohd Shahir Shamsir, Kian Mau Goh, Chyan Leong Ng (2016). Crystal structure of Anoxybacillus α -amylase provides insights into maltose binding of a new glycosyl hydrolase subclass. *Scientific Reports*, **6**, 23126.
19. Siti Nurulnabila A Rahman, J Mat Yusop, Z-A Mohamed-Hussein, **Kok Lian Ho**, A-H Teh, Jitka Waterman, Chyan Leong Ng (2016). Cloning, expression, purification, crystallization and X-ray crystallographic analysis of recombinant human C1ORF123 protein. *Acta Crystallographica Section F: Structural Biology Communications*, **72**, 207-13.
20. Azira Muhamad, **Kok Lian Ho**, Mohd Basyaruddin Abdul Rahman, Bimo A Tejo, Dušan Uhrin, Wen Siang Tan (2015). Hepatitis B virus peptide inhibitors: solution structures and interactions with the viral capsid. *Organic & Biomolecular Chemistry*, **13**, 7780-9.
21. Chean Yeah Yong, Swee Keong Yeap, Zee Hong Goh, **Kok Lian Ho**, Abdul Rahman Omar, Wen Siang Tan (2015). Induction of humoral and cell-mediated immune responses by hepatitis B virus epitope displayed on the virus-like particles of prawn nodavirus. *Applied and Environmental Microbiology*, **81**, 882-889.
22. Chean Yeah Yong, Swee Keong Yeap, Kok Lian Ho, Abdul Rahman Omar, Wen Siang Tan (2015). Potential recombinant vaccine against influenza A virus based on M2e displayed on nodaviral capsid nanoparticles. *International Journal of Nanomedicine*, **10**, 2751-63.
23. Sze Lei Pang, **Kok Lian Ho**, Jitka Waterman, A-H Teh, Fook Tim Chew, Chyan Leong Ng (2015). Cloning, expression, purification, characterization, crystallization and X-ray crystallographic analysis of recombinant Der f 21 (rDer f 21) from Dermatophagoides farina. *Acta Crystallographica Section F: Structural Biology Communications*, **71**, 1396-1400.
24. Sofiyah Shaibullah, Nurhikmah Mohd-Sharif, **Kok Lian Ho**, Mohd Firdaus-Raih, Sheila Nathan, Rahmah Mohamed, Chyan Leong Ng (2014). Crystallization and preliminary crystallographic studies of the hypothetical protein BPSL1038 from *Burkholderia pseudomallei*. *Acta Crystallographica Section F: Structural Biology Communications*, **70**, 1697-700.
25. Wen Siang Tan, **Kok Lian Ho** (2014). Phage display creates innovative applications to combat hepatitis B virus. *World Journal of Gastroenterology*, **20**, 11650-70.
26. Azira Muhamad, **Kok Lian Ho**, A Rahman, Mohd Basyaruddin, Dušan Uhrin, Wen Siang Tan (2013). Solution structure and in silico binding of a cyclic peptide with hepatitis B surface antigen. *Chemical Biology & Drug Design*, **81**, 784-794.
27. Kam Yee Yoon, Wen Siang Tan, Beng Ti Tey, Khai Wooi Lee, **Kok Lian Ho** (2013). Native agarose gel electrophoresis and electroelution: a fast and cost-effective method to separate the small and large hepatitis B capsids. *Electrophoresis*, **34**, 244-253.
28. Shamala Salvamani, Zee Hong Goh, **Kok Lian Ho**, Beng Ti Tey, Wen Siang Tan (2013). Oligomerization state of the multimerization domain of Nipah virus phosphoprotein. *Process Biochemistry*, **48**, 1476-1480.
29. Khai Wooi Lee, Beng Ti Tey, **Kok Lian Ho**, Bimo A Tejo, Wen Siang Tan (2012). Nano-glue: An Alternative Way to Display Cell-internalizing Peptide (CIP) at the Spikes of Hepatitis B Virus Core Nanoparticles for Cell-targeting Delivery. *Molecular Pharmaceutics*, **9**, 2415-23.
30. Khai Wooi Lee, Beng Ti Tey, **Kok Lian Ho**, Bimo A Tejo and Wen Siang Tan (2012). Delivery of chimeric hepatitis B core particles into liver cells. *Journal of Applied Microbiology*, **112**, 119-131.
31. **Kok Lian Ho**, Iain W McNae, Lars Schmiedeberg, Robert J Klose, Adrian P Bird, Malcolm D Walkinshaw (2008). MeCP2 binding to DNA depends upon hydration at methyl-CpG. *Molecular Cell*, **29**, 525-531.
32. Wen Siang Tan, Iain W McNae, **Kok Lian Ho**, Malcolm D Walkinshaw (2007). Crystallization and X-ray Analysis of the T=4 particle Hepatitis B capsid protein with an N-

	<p>terminal Extension. <i>Acta Crystallographica Section F: Structural Biology and Crystallization Communications</i>, 63, 642-7.</p> <p>33. Kok Lian Ho, Khatijah Yusoff, Heng Fong Seow, Wen Siang Tan (2003). Selection of high affinity ligands to Hepatitis B core particles from a phage-displayed cyclic peptide library. <i>Journal of Medical Virology</i>, 69, 27-32.</p>
Proceedings	<ol style="list-style-type: none"> 1. Li Chuin Chong, HagilaanA/P Ganesan, Wen Siang Tan, Abdah MD Akim, Kok Lian Ho. (2018). Production and characterization of the P-domain of <i>Macrobrachium rosenbergii</i> nodavirus that is involved in host cell attachment and internalization. <i>The 3rd international Symposium & Workshop on Functional Genomics and Structural Biology. Universiti Putra Malaysia</i>. 23-27 July 2018. Pg 66. 2. Kok Lian Ho, Chare Li Kueh, Poay Ling Beh, Wen Siang Tan, David Bhella. (2017). Cryo-Electron Microscopy Structure of the <i>Macrobrachium rosenbergii</i> Nodavirus Capsid at 7 Angstroms Resolution. <i>Integrative Structural Biology Symposium 2017, Malaysia Genome Institute, Bangi</i>. 6-7th March 2017. Pg 10. 3. Kok Lian Ho, Chare Li Kueh, Poay Ling Beh, Wen Siang Tan, David Bhella (2017). Cryo-Electron Microscopy Structure of the <i>Macrobrachium rosenbergii</i> Nodavirus Capsid at 7 Angstroms Resolution. <i>42nd Annual Conference of the MSBMB</i>. Pullman Bangsar Kuala Lumpur Hotel. Pg. 98. 4. Roya Biabanikhankahdani, Saadi Bayat, Kok Lian Ho, Noorjahan Banu Mohamed Alitheen, Wen Siang Tan (2017). Conjugation of tumor-targeting molecule to virus-like nanoparticles via nanoglue for cancer targeting drug delivery. <i>42nd Annual Conference of the MSBMB</i>. Pullman Bangsar Kuala Lumpur Hotel. Pg. 38. 5. Siti Nurulnabila A Rahaman, Jastina Mat Yusop, Zeti Azura, Mohamed-Hussein, Kok Lian Ho, Aik Hong Teh, Jitka Waterman, Chyan Leong Ng Functional characterization of a hypothetical polycystic ovarian syndrome (PCOS) related protein C1ORF123 through structural and protein-protein interaction analysis (2015). <i>40th Annual Conference of the MSBMB</i>. 10th -11th June 2015. Putrajaya Marriott Hotel, IOI Resort City, Sepang, Malaysia. pg. 26. 6. Chen Yeah Yong, Swee Keong Yeap, Zee Hong Goh, Kok Lian Ho, Abdul Rahman Omar, and Wen Siang Tan (2015). <i>Macrobrachium rosenbergii</i> nodavirus nanoparticles as an immunogen carrier for hepatitis B epitope. <i>40th Annual Conference of the MSBMB</i>. 10th - 11th June 2015. Putrajaya Marriott Hotel, IOI Resort City, Sepang, Malaysia. pg. 32. 7. Nursyaza Zulkifli, Kok Lian Ho, Wen Siang Tan (2015). Thermodynamics of the interaction of hepatitis B core antigen with a peptide inhibitor. <i>40th Annual Conference of the MSBMB</i>. 10th to 11th June 2015. Putrajaya Marriott Hotel, IOI Resort City, Sepang, Malaysia. pg. 52. 8. Poay Ling Beh, Wen Siang Tan and Kok Lian Ho (2015). Purification of <i>Macrobrachium rosenbergii</i> nodavirids capsid protein with fast protein liquid chromatography. <i>40th Annual Conference of the MSBMB</i>. 10th to 11th June 2015. Putrajaya Marriott Hotel, IOI Resort City, Sepang, Malaysia. pg. 53. 9. Qiu Xian Thong, Man Kwan Ooi, Noorjahan Banu Mohamad Alitheen, Kok Lian Ho and Wen Siang Tan (2015). Selection of high affinity ligands to virus-like particle of <i>Macrobrachium rosenbergii</i> nodavirus from a phage-displayed library. <i>40th Annual Conference of the MSBMB</i>. 10th to 11th June 2015. Putrajaya Marriott Hotel, IOI Resort City, Sepang, Malaysia. pg. 74. 10. Jyh Yea Chia, Wen Siang Tan, Hooi Ling Foo, Kok Lian Ho. (2014) A/T run geometry is independent of bound Methyl-CpG binding domain of Methyl-CpG Binding Protein 2. <i>39th Annual Conference of the MSBMB</i>. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 22. 11. Sofiyah Shaibullah, Nurhikmah Mohd-Sharif, Mohd Firdaus-Raih, Sheila Nathan, Kok Lian Ho, The Aik Hong, Chyan Leong Ng, Rahmah Mohamed (2014). Structural and functional study of conserved hypothetical proteins in <i>Burkholderia pseudomallei</i>. <i>39th Annual Conference of the MSBMB</i>. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 30.

12. Siti Nurulnabila A Rahaman, Jastina Mat Yusop, Zeti Azura, Mohamed-Hussein, **Kok Lian Ho**, Aik Hong Teh, Chyan Leong Ng (2014). Structural and functional elucidation of a hypothetical protein as a potential biomarker and drug target for polycystic ovarian syndrome (PCOS). *39th Annual Conference of the MSBMB*. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 31.
13. Nur Azmina Syakirin Mohd, Wen Siang Tan, and **Kok Lian Ho** (2014). Purification of *Macrobrachium rosenbergii* nodavirus capsid protein by using native agarose cell electrophoresis. *39th Annual Conference of the MSBMB*. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 51.
14. Roya Biabanikhankahdani, **Kok Lian Ho**, Noorjahan Banu Mohamed Alitheen, Wen Siang Tan (2014). Thermodynamic and binding of His-tagged hepatitis virus nanoparticles with metal ions as studied by isothermal titration calorimetry. *39th Annual Conference of the MSBMB*. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 52.
15. Sze Lei Pang, Fook Tim Chew, **Kok Lian Ho**, Aik Hong The, Chyan Leong Ng (2014). Structural and allergenicity studies of group 21 allergens from dust mites. *39th Annual Conference of the MSBMB*. 25th -26th June 2014. Sama-Sama Hotel, Sepang, Malaysia. Poster 56.
16. Jyh Yea Chia, Wen Siang Tan, Hooi Ling Foo, **Kok Lian Ho**. (2013). Structural and Thermodynamic Characterisations of MeCP2 MBD Mutants that Correlate with Rett Syndrome. *Simposium Biologi Kebangsaan ke-9*, Port Dickson, Negeri Sembilan.
17. Kam Yee Yoon, **Kok Lian Ho**, and Wen Siang Tan. (2013). Structural studies of Hepatitis B virus core protein. *Simposium Biologi Kebangsaan ke-9*, Port Dickson, Negeri Sembilan.
18. Khai Wooi Lee, Wen Siang Tan, Beng Ti Tey, **Kok Lian Ho**. (2011). Hepatitis B Virus Capsid as a Cell Targeting Delivery System. In *25th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology*. Selangor, Malaysia.
19. **Kok Lian Ho**, McNae, I.W., Schmiedeberg, L., Klose R.J., Bird, A.B., and Walkinshaw, W.D. (2011). Crystal Structure of MeCP2 in Complex with Methylated DNA. *International Symposium and Workshop on Functional Genomics and Structural Biology*. Pg 62.
20. Azila, M., **Ho, K.L.**, Mohd. Basyaruddin A.R., Dusan, U., Tan, W.S. (2011). Solution structure of a cyclic peptide inhibitor. *International Symposium and Workshop on Functional Genomics and Structural Biology*. Pg 57.
21. Kam Yee Yoon, Wen Siang Tan, Beng Ti Tey, Khai Wooi Lee and **Kok Lian Ho** (2011). Purification and separation of Hepatitis B Capsids. *International Symposium and Workshop on Functional Genomics and Structural Biology*. Pg 53.
22. **Kok Lian Ho**, Iain W. McNae, Adrian P. Bird, Malcolm D. Walkinshaw (2010). X-ray structure of an MeCP2-DNA complex. *35th Annual Conference of the MSBMB*. Pg. 44.
23. Kam Yee Yoon, Wen Siang Tan, Beng Ti Tey, Khai Wooi Lee and **Kok Lian Ho** (2010). A simple method to separate large and small particles of hepatitis B virus capsids. *35th Annual Conference of the MSBMB*. Pg 72.
24. Wen Siang Tan, **Kok Lian Ho**, Iain W. McNae, Malcolm D. Walkinshaw (2009). Three-Dimensional structure of hepatitis B virus capsid. *34th Annual Conference of the MSBMB*. Pg 88.
25. **Kok Lian Ho**, Iain W. McNae, Adrian P. Bird, Malcolm D. Walkinshaw (2008). Recognition of methylated DNA by MeCP2. *British Crystallographic Association, Winter Meeting*, University of Newcastle, UK.
26. **Kok Lian Ho**, Iain W. McNae, Lars Schmiedeberg, Rebert J. Klose, Adrian P. Bird, Malcolm D. Walkinshaw (2008). An X-ray structure of Human MeCP2 MBD in complex with methylated DNA. *The Darwin Trust 25th Anniversary Meeting*, University of Edinburgh, UK.
27. **Kok Lian Ho**, Iain W. McNae, Lars Schmiedeberg, Rebert J. Klose, Adrian P. Bird, Malcolm D. Walkinshaw (2007). The Crystal Structure of Methyl-CpG Binding Domain of Human MeCP2 in Complex with a Methylated DNA Sequence from *BDNF*. *The Wellcome Trust Centre Annual Meeting 2007*, University of Edinburgh, UK.

	<p>28. Kok Lian Ho (14th Feb 2007). Structural studies of MeCP2 MBD in complex with methylated DNA. <i>3rd Year PhD presentation</i>. School of Biological Sciences, the University of Edinburgh, UK.</p> <p>29. Kok Lian Ho, Adrian P. Bird, Malcolm D. Walkinshaw (7th – 14th Sept 2006). Phasing problem in solving X-ray structure of the selenomethionyl MeCP2 MBD complexed with methylated DNA. <i>SHELX MAXINF workshop on experimental phasing of macromolecules</i>. University of Göttingen, Germany.</p> <p>30. Kok Lian Ho and Khatijah Yusoff (2002). Identification of some local isolates of Group A Streptococcus by DNA sequencing and Polymerase Chain Reaction. <i>MSTC 2002</i>. Awana Golf and Country Resorts, Genting Highland. Pg 69.</p> <p>31. Kok Lian Ho, Heng Fong Seow, Khatijah Yusoff, Wen Siang Tan (25th -28th Oct 2001). <i>IPTA Research Exhibition (National level)</i>. Putra World Trade Centre, Kuala Lumpur, Malaysia.</p> <p>32. Wen Siang Tan, Pria Ramanujam, Kok Lian Ho, and Khatijah Yusoff. (2001). Phage display technology: selection of peptides that inhibit the replication of hepatitis B virus and Newcastle disease virus. <i>ASEAN COURSE in recombinant protein production and molecular-based techniques for the diagnosis of avian disease</i>, VRI, Ipoh, Malaysia.</p> <p>33. Kok Lian Ho, Heng Fong Seow, Khatijah Yusoff, Wen Siang Tan (2001). Interaction of hepatitis B virus core particle with fusion phages selected from a disulfide constrained phage display peptide library. <i>11th MSMBB Scientific Meeting</i>, Hyatt Saujana Resort, Subang. Pg. 32-33.</p> <p>34. Kok Lian Ho, Heng Fong Seow, Khatijah Yusoff, Wen Siang Tan (2000). Affinity selection of the core antigen of hepatitis B virus with a disulfide constrained phage display peptide library. <i>23rd Microbiology Symposium</i>, Aseania Resort, Langkawi. Malaysia. Pg. 84-85.</p> <p>35. Wai Ling Kok, Kok Lian Ho, Khatijah Yusoff, Wen Siang Tan (2000). Cloning and <i>in vitro</i> translation of the preS regions of hepatitis B virus. <i>10th MSMBB Scientific Meeting</i>, Hyatt Saujana Resort, Subang. Pg. 44.</p> <p>36. Kok Lian Ho, Heng Fong Seow, Khatijah Yusoff, Wen Siang Tan (2000). Production of the preS regions of hepatitis B virus in <i>Escherichia coli</i>. <i>10th MSMBB Scientific Meeting</i>, Hyatt Saujana Resort, Subang. Pg. 44-45.</p>
Computer software	Microsoft Office Linux operating system CCP4 packages autoSHARP PHENIX packages SOLVE/ RESOLVE LIDAEUS SHELX packages RELION

H. Current/ Past Research Projects					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
FRGS/1/2018/STG 05/UPM/2/2	Native structure of <i>Macrobrachium rosenbergii</i> nodavirus: A key to unlock the near-atomic molecular details of a crustacean nodavirus that causes white tail disease in freshwater giant prawn.	Project leader	2019-2020	FRGS	On-going

GP-IPS/2018/9667700	Cloning, expression, purification and characterization of chimeric <i>Macrobrachium rosenbergii</i> nodavirus virus like particle displaying the domain III region of the envelope protein of Japanese encephalitis virus	Project leader	1/12/2018-30/112019	Putra IPS	On-going
GP-IPS/2016/9505700	Immunization study of potential recombinant vaccine against influenza A virus based on M2e peptides displayed on <i>Macrobrachium rosenbergii</i> nodavirus capsids.	Project leader	2016-2017	Putra IPS	Completed
GP-IPS/2016/9509400	Production of <i>Macrobrachium rosenbergii</i> nodavirus capsid in <i>Spodoptera frugiperda</i> (insect cells) for structural analysis.	Project leader	2016-2017	Putra IPS	Completed
04-02-13-1323FR	Hepatitis B virus inhibitor: Structural analysis and inhibitory characterisations in cell culture.	Project leader	2013-2016	FRGS	On-going
02-01-04-SF1749	Display of the matrix protein of influenza A virus on the surface of Nodavirus capsid and its application in vaccine development	Project leader	2013-2016	eScience-fund	Completed
04-02-12-1813RU	Thermodynamics characterisations of MeCP2 MBD mutants and methylated DNA	Project leader	2012-2013	RUGS	Completed
MX 5901-1	Structural studies of HBcAg with N-terminal extension	Project leader	2012	DLS, UK	Completed
SLRI-721	Structural studies of HBcAg with N-terminal extension	Project leader	2012	SLRI, Thailand	Completed
ER-PS-Biotek-5487743	Structural studies of hepatitis B virus capsid using microgravity crystallisation approaches	Researcher	2011-2013	JAXA Project	Completed
03-10-10-948FR	Structural analysis and molecular characterizations of MBD mutants that correlate the Rett Syndrome	Project leader	2010-2013	FRGS	Completed
05-01-09-0623RU	Structural studies of hepatitis B core particles in complex with peptide	Project leader	2009-2011	RUGS	Completed