

CURRICULUM VITAE

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I. EDUCATION

1. 1981-1987: St Paul's Co-educational College, Hong Kong – Ordinary and Advanced Level
2. 1987-1992: Faculty of Medicine, University of Hong Kong – **Bachelor of Medicine and Bachelor of Surgery (MBBS)**
3. 01/1992 - 03/1992: Undergraduate Overseas Training, elective study in Department of Medicine, University of Birmingham, UK (clinical aspects of general internal medicine)
4. 01/2005 - 11/2007: LKS Faculty of Medicine, The University of Hong Kong – **Doctor of Medicine (MD)**
5. 01/2009 – 07/2012: LKS Faculty of Medicine, The University of Hong Kong – **Doctor of Philosophy (PhD)**

II. DEGREES AND OTHER QUALIFICATIONS

1. **MB.,BS**, Faculty of Medicine, The University of Hong Kong (Distinction in Pathology): 1992
2. **MRCP**, Royal College of Physicians, United Kingdom: 1997

3. **FHKCP**, Fellow of Hong Kong College of Physicians, Specialist in Neurology: 2001
4. **FHKAM**, Fellow of Hong Kong Academy of Medicine (Specialist in Advanced Internal Medicine): 2002
5. **MD**, LKS Faculty of Medicine, The University of Hong Kong: 2007
6. **FRCP**, Royal College of Physicians and Surgeons of Glasgow: 2009
7. **PhD**, LKS Faculty of Medicine, The University of Hong Kong: 2012

III. PROFESSIONAL TRAINING AND APPOINTMENT

1. 1992-1993: **House Officer**, Department of Medicine, Department of Paediatrics, Department of Surgery, Queen Mary Hospital, the University of Hong Kong
2. 1993-2007: **Medical Officer**, Department of Medicine, Queen Mary Hospital, the University of Hong Kong
3. 2000-2001: **Visiting Clinician and Research Fellow** in Mayo Clinic, Rochester, MN, USA (research on neuroimmunology mentored by Professor Vanda A Lennon focusing on [1] neuronal autoantibodies associated with paraneoplastic neurological disorders, and [2] clinical, electrophysiological and serological characteristics (muscle autoantibodies) of autoimmune myasthenia gravis. In addition, I had clinical attachment to multiple sclerosis clinic supervised by Professor Brian G Weinshenker focusing on clinical management of patients with multiple sclerosis and neuromyelitis optica)
4. 2001–2007: **Resident Specialist** (Neurology), University Department of Medicine, Queen Mary Hospital, The University of Hong Kong
5. 10-11/2005: **Visiting Scientist** in Mayo Clinic, Rochester, MN, USA (research on acetylcholine receptor and striational antibodies in autoimmune myasthenia gravis ;supervised by Professor Vanda A Lennon)
6. 10-11/2006: **Visiting Scientist** in Mayo Clinic Rochester, MN, USA (research on neuromyelitis optica (NMO)-IgG [aquaporin 4 autoantibodies] in NMO (also called opticospinal multiple sclerosis); supervised by Professor Vanda A Lennon)
7. 01/2008 – 06/2013: **Clinical Assistant Professor**, University Department of Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong
8. From 07/2013: **Clinical Associate Professor**, University Department of Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong
9. 01/2008 – 06/2013: **Honorary Associate Consultant**, University Department of Medicine, Queen Mary Hospital, Hong Kong
10. From 07/2013: **Honorary Consultant**, University Department of Medicine, Queen Mary Hospital, Hong Kong
11. 2008 to present: **Member** of Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong

12. 2008 to present: **Director**, Neuroimmunology and Neuroinflammation Research Laboratory, University Department of Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong

IV. MEMBERSHIPS OF ACADEMIC AND PROFESSIONAL ORGANIZATIONS

1. 1997 – present: **Member**, Royal College of Physicians, UK
2. 1997 – present: **Member**, American Academy of Neurology
3. 2003 – present: **Member**, Asia Pacific Immunoglobulins in Neurology Consensus Group
4. 2004, 2008: **Council member**, The Hong Kong Neurological Society
5. 2005 – present: **Founding Fellow**, Hong Kong Stroke Society
6. 2007 – present: **Life member**, The Hong Kong Neurological Society
7. 2008 – present: **Secretary**, Hong Kong University Alzheimer’s Disease Research Network (HKUADRN)
8. 2009 – present: **Member**, Asia Pacific Expert Group in Myasthenia Gravis
9. 2009 – present: **Honorary Consultant**, Myasthenia Gravis Mutual Help Group (Hong Kong)
10. 2012 – present: **Founding Chairman**, Hong Kong Multiple Sclerosis Society (HKMSS)
11. 2015 – present: **Council Member**, Hong Kong Multiple Sclerosis Society (HKMSS)
12. 2013 – present: **Member**, Guthy Jackson Charitable Organization, Neuromyelitis Optica International Clinical Consortium and Biorepository (GJCF-ICCBR)
13. 07/2013- present: **Regional Programme Director**, Neurology Specialty Board, Hong Kong College of Physicians
14. 09/2017 – present: **Member**, CSL Behring Asia Pacific Advisory Board in Chronic Inflammatory Demyelinating Polyneuropathy

V. SCHOLARSHIPS AND AWARDS

1. S.K. Yee Medical Foundation Scholarship (1987-1991), Faculty of Medicine, The University of Hong Kong
2. Morse Scholarship (1987-1991), Faculty of Medicine, The University of Hong Kong
3. **Distinction in Pathology (1989), Faculty of Medicine, The University of Hong Kong**
4. Medical Foundation Scholarship for Elective Study (1992), Faculty of Medicine, The University of Hong Kong
5. Poon Hung Chiu Scholarship for elective overseas training (neurology: study on paraneoplastic neuronal autoantibodies in paraneoplastic neurological disorders and muscle autoantibodies in myasthenia gravis at Mayo Clinic Rochester, USA) (2000)
6. **Young Investigator Award for Best Oral Presentation, 7th Medical Research Conference, University Department of Medicine, Queen Mary Hospital, The University of Hong Kong (2002)**
7. **Gold Badge award commendation and recognition for outstanding contribution to combating against SARS (2003-2004)**
8. Hong Kong West Cluster Healthy Staff Award – in appreciation of having a nil record of sick leave from 1 July 1994 to 30 June 2004
9. Hospital Authority Ten Year Long Service Award (2004)
10. Poon Hung Chiu Scholarship for elective overseas training (neurology: study on immunopathogenesis of neuromyelitis optica at Mayo Clinic Rochester, USA) (2006)
11. **Top 50 Abstracts Selected For Highlights in the 58th Annual Meeting of the American Academy of Neurology (2006)**
12. Best Abstract In Clinical Medicine in 15th Medical Research Conference, Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong (2010)

13. Publication Award of the Staff Research Incentive Scheme from the Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong (2010)
- 14. Faculty Teaching Medal, LKS Faculty of Medicine, The University of Hong Kong (2011)**
15. Publication Award of the Staff Research Incentive Scheme from the Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong (2011)
16. GRF Incentive Award from the University Research Committee (2012)
17. HAHKW/HKU Twenty Year Long Service Award (2013)
18. American Academy of Neurology 67th Annual Meeting Resident Research Travel Scholarship (2015)
19. GRF Incentive Award from the Department of Medicine, LKS Faculty of Medicine, HKU (2016)
20. Publication Award of the Staff Research Incentive Scheme from the Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong, (2016)
21. Publication Award of the Staff Research Incentive Scheme from the Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong, (2018)

VI. PUBLICATIONS

VI.1 Books and Book Chapters (Total: 12; Books 3, Book Chapters 9)

Books

1. **Chan KH.** LAP Lambert Academic Publishing AG & Co. KG. Autoantibodies in Neurological Disorders: Neuronal and Muscle Autoantibodies in Paraneoplastic Neurological Disorders and Autoimmune Myasthenia Gravis, 2010
2. **Chan KH.** LAP Lambert Academic Publishing AG & Co. KG., Clinical Features, Neuroimaging, Diagnosis and Treatment of Neuromyelitis Optica Spectrum Disorders, 2016 (ISBN 978-3-330-00594-5)
3. Yu YL, Fong JKY, Ho SL, Cheung RTF, **Chan KH.** Neurology in Practice. 5th Edition. 2017

Book Chapters

4. **Chan KH**. Paraneoplastic neurological disorders. In Kornberg A, ed. Bringing consensus to the use of IVIG in neurology. Expert consensus statements on the use of IVIG IN NEUROLOGY. The Asia-Pacific IVIG Advisory Board.1st Edition. 2004:P63-67
5. Ho SL, Cheung RTF, Mak W, **Chan KH**. Neurology long cases. In Lau CP, ed. Problem-based medical case management. Hong Kong: Hong Kong University Press, 2005:P177-191
6. Ho SL, Cheung RTF, Mak W, **Chan KH**. Neurology short cases. In Lau CP, ed. Problem-based medical case management. Hong Kong: Hong Kong University Press, 2005:P155-176
7. **Chan KH**. Paraneoplastic Neurological Disorders. In Kornberg A, ed. Bringing consensus to the use of IVIG in neurology. Expert consensus statements on the use of IVIG in Neurology. The Asia-Pacific IVIG Advisory Board. 2nd Edition. 2008:P90-96
8. **Chan KH**. Acute Disseminated Encephalomyelitis. In Kornberg A, ed. Bringing consensus to the use of IVIG in neurology. Expert consensus statements on the use of IVIG in Neurology. The Asia-Pacific IVIG Advisory Board. 2nd Edition. 2008:P112-115
9. **Chan KH**. Multiple Sclerosis. In Kornberg A, ed. Bringing consensus to the use of IVIG in neurology. Expert consensus statements on the use of IVIG in Neurology. The Asia-Pacific IVIG Advisory Board. 2nd Edition. 2008:P116-116-123
10. **Chan KH**. Neuromyelitis Optica. In Kornberg A, ed. Bringing consensus to the use of IVIG in neurology. Expert consensus statements on the use of IVIG in Neurology. The Asia-Pacific IVIG Advisory Board. 2nd Edition. 2008:P124-124-127
11. Cheung RTF, Ho SL, Mak W, **Chan KH**. Neurology-Long Cases. In Lau CP, ed. Problem-based medical case management. Hong Kong: Hong Kong University Press, 2nd Edition .2017:P164-177
12. Ho SL, Cheung RTF, Mak W, KC Teo, **Chan KH**. Neurology short cases. In Lau CP, ed. Problem-based medical case management. Hong Kong: Hong Kong University Press, 2nd Edition .2017. 2017:P142-163

VI.2 Journal Publications (Total: 101: Research articles [71], Review [13], Case reports [16], editorial [1]; first author [35], corresponding author [39])

International Journals (JIF = journal impact factor)

1. Cheung RT, Li LS, Mak W, Tsang KL, Lauder IJ, **Chan KH**, Fong GCY. Knowledge of stroke in Hong Kong Chinese. *Cerebrovascular Diseases* 1999;9:119-123 (JIF 2.931; Rank: 81/197 in *Clinical Neurology*, 28/65 in *Peripheral Vascular Disease*, Citation: 41)
2. Fong GCY, Fong KY, Mak W, Tsang KL, **Chan KH**, Cheung RTF, Ho SL. Post-ictal psychosis related regional cerebral hyperperfusion. *Journal of Neurology Neurosurgery and Psychiatry* 2000;68(1):100-101 (JIF 7.144; Rank: 15/197 in *Clinical Neurology*, 8/142 in *Psychiatry*, 2/200 in *Surgery*, Citation: 33)
3. **Chan KH**, Vernino S, Lennon VA. ANNA-3 Anti-Neuronal Nuclear Antibody: Marker of Lung Cancer Related Autoimmunity. *Annals of Neurology* 2001;50:301-311 (First author) (JIF 10.244; Rank: 8/197 in *Clinical Neurology*, 15/261 in *Neurosciences*, Citation: 122)
4. Cheung RTF, Mak W, **Chan KH**. Circadian Variation of Stroke Onset in Hong Kong Chinese: A Hospital-Based Study. *Cerebrovascular Diseases* 2001;12:1-6 (JIF 2.931; Rank: 81/197 in *Clinical Neurology*, 28/65 in *Peripheral Vascular Disease*, Citation: 18)
5. **Chan KH**, Cheung RTF, Fong GCY, Ho SL. An ex-intravenous drug addict with confusion and apathy. *Hospital Medicine* 2002;63(4):242-243 (JIF = 2.331; Rank: 45/154 in *Medicine, General & Internal*, Citation: 0) [First author]
6. **Chan KH**, Ho PL, Cheung RFT, Tsang KL, Fong GC, Cheng PW, Ho SL. Tuberculous meningitis with tuberculomata presenting as post-partum pyrexia of unknown origin. *Hospital Medicine* 2003;64:306-307 (JIF = 2.331; Rank: 45/154 in *Medicine, General & Internal*, Citation: 4) [First author]
7. **Chan KH**, Cheung RTF, Fong CY, Tsang KL, Mak W, Ho SL. Clinical relevance of hydrocephalus as a presenting feature of tuberculous meningitis. *Quarterly Journal of Medicine* 2003;96(9):643-648 (JIF 3.204; Rank: 30/154 in *Medicine, General & Internal*, Citation: 33) [First author]

8. Mak W, **Chan KH**, Cheung RTF, Ho SL. Hypertensive encephalopathy: BP lowering complicated by posterior circulation ischemic stroke. *Neurology* 2004;63:1131-2 (**JIF 7.609; Rank: 13/197 in Clinical Neurology, Citation: 8**)
9. **Chan KH**, Cheung RTF, Mak W, Au-Yeung KM, Ho SL. Cerebral venous thrombosis presenting as unilateral headache and visual blurring in a man with nephrotic syndrome. *Hospital Medicine* 2004;65:54-55 (**JIF = 2.331; Rank: 45/154 in Medicine, General & Internal, Citation: 5**) [*First author*]
10. Wong WM, Shek WHT, **Chan KH**, Chau E, Lai KC. Rhabdomyolysis triggered by cytomegalovirus infection in a heart transplant patient on concomitant cyclosporine and atorvastatin. *Journal of Gastroenterology and Hepatology* 2004;19(8):952-953 (**JIF =3.483; Rank: 27/80 in Gastroenterology & Hepatology, Citation: 10**)
11. **Chan KH***, Tsang KL, Fong GCY, Cheung RTF, Ho SL. Idiopathic severe recurrent transverse myelitis: a restricted variant of neuromyelitis optica. *Clinical Neurology and Neurosurgery* 2005;107(2):132-135 (**JIF 1.736; Rank: 151/197 in Clinical Neurology, 105/200 in Surgery, Citation: 24**) [**Corresponding author*]
12. **Chan KH***, Cheung RTF, Lee R, Mak W, Ho SL. Cerebral infarcts complicating tuberculous meningitis. *Cerebrovascular Diseases* 2005;19:391-395 (**JIF 2.931; Rank: 81/197 in Clinical Neurology, 28/65 in Peripheral Vascular Disease, Citation: 67**) [**Corresponding author*]
13. Fong GCY, Cheng TS Lam K, Cheng WK, Mok KY, Cheung CM, Chim CS, Mak W, **Chan KH**, Tsang KL, Kwan MC, , Tsoi TH, Cheung RT, Ho SL. An epidemiological study of motor neuron disease in Hong Kong. *Amyotrophic Lateral Sclerosis Other Motor Neuron Disorders* 2005;6(3):164-168 (**JIF 2.982; Rank:80/197 in Clinical Neurology, Citation: 30**)
14. Mak W, Tsoi T, Tsang K, Au-Yeung KM, **Chan KH**, Cheng TS, Cheung R, Ho S. Bath-related headache. *Cephalalgia* 2005;25(3):191-8 (**JIF 3.882; Rank: 43/197 in Clinical Neurology, 76/261 in Neurosciences, Citation: 24**)
15. Mak W, Cheng TS, **Chan KH**, Cheung RTF, Ho SL. A possible explanation for the racial difference in distribution of large-arterial cerebrovascular disease: ancestral European settlers evolved genetic resistance to atherosclerosis, but confined to the intracranial arteries. *Medical Hypotheses* 2005;65(4):637-648 (**JIF 1.120; Rank: 113/133 in Medicine, Research & Experimental, Citation: 15**)
16. **Chan KH**, Cheung RTF, Lui WM, Mak W, Ho SL. Cerebral venous thrombosis in a gentleman presenting with fever, convulsion and frontotemporal haemorrhages. *Journal of Clinical Neuroscience* 2005;12(2):186-188 (**JIF 1.640;**

- Rank: 156/197 in Clinical Neurology, 219/261 in Neurosciences, Citation: 5)**
[First author]
17. **Chan KH**, Cheung RTF, Au-Yeung KM, Mak W, Cheng TS, Ho SL. Wilson's disease with depression and parkinsonsim. *Journal of Clinical Neuroscience* 2005;12(3):303-305 (**JIF 1.640; Rank: 156/197 in Clinical Neurology, 219/261 in Neurosciences Citation: 12**) [**First author**]
 18. Mak W, **Chan KH**, Ho SL. A case of ocular myasthenia gravis and Miller-Fisher syndrome. *Hospital Medicine* 2005;66(2):116-7 (**JIF = 2.331; Rank: 45/154 in Medicine, General & Internal, Citation: 11**)
 19. **Chan KH***, Tsang KL, Fong CY, Ho SL, Cheung RTF, Mak W. Idiopathic inflammatory demyelinating disorders after acute transverse myelitis. *European Journal of Neurology* 2006;13:862-868 (**JIF 4.621; Rank: 34/197 in Clinical Neurology, 56/261 in Neurosciences, Citation: 20**) [***First & Corresponding author**]
 20. Fong GC, Kwok KH, Song YQ, Cheng TS, Ho PW, Chu AC, Kung MH, **Chan KH**, Mak W, Cheung RT, Ramsden DB, Ho SL. Clinical phenotypes of a large Chinese multigenerational kindred with autosomal dominant familial ALS due to Ile149Thr SOD1 gene mutation. *Amyotrophic Lateral Sclerosis*. 2006;7(3):142-9 (**JIF 2.982; Rank: 80/1997 in Clinical Neurology, Citation: 9**)
 21. Mak W, Kwan MWM, Cheng TS, **Chan KH**, Cheung RTF, Ho SL. Myopia as a latent phenotype of a pleiotropic gene positively selected for facilitating neurocognitive development, and the effects of environmental factors in its expression. *Medical Hypotheses* 2006;66:1209-1215 (**JIF 1.120; Rank: 113/133 in Medicine, Research & Experimental, Citation: 11**)
 22. **Chan KH***, Lee R, Ho SL. Hepatocellular carcinoma presenting as multifocal hemorrhagic encephalitis. *Clinical Oncology* 2006;18(7):574-576 (**JIF = 3.055; Rank: 121/222 in Oncology, Citation: 0**) [**First & Corresponding author**]
 23. **Chan KH***, Cheung RTF, Mak W, Ho SL. Nonthymoma early-onset and late-onset generalized myasthenia gravis – a retrospective hospital based study. *Clinical Neurology and Neurosurgery* 2007;109:686-691 (**JIF 1.736; Rank: 1511/197 in Clinical Neurology, 105/200 in Surgery, Citation: 9**) [**First & *Corresponding author**]
 24. **Chan KH**, Lachance DH, Harper CM, Lennon Vanda A. Frequency of seronegativity in adult-acquired generalized myasthenia gravis. *Muscle & Nerve* 2007;36:651-658 (**JIF 2.496; Rank: 106/197 in Clinical Neurology, 168/261 in Neurosciences, Citation: 57**) [**First author**]

25. **Chan KH***, Leung SY, Cheung RTF, Ho SL, Mak W. Paraneoplastic motor neuropathy and inflammatory myopathy associated with nasopharyngeal carcinoma. *Journal of Neurooncology* 2007;81:93-96 (**JIF = 3.060; Rank: 120/222 in Oncology, 78/197 in Clinical Neurology, Citation: 3**) [**First & Corresponding author**]
26. **Chan KH***, Mak W, Ho SL. Cryptococcal meningitis with raised intracranial pressure masquerading as malignant hypertension. *International Journal of Infectious Diseases* 2007, 2007;11(4):366-7 (**JIF = 3.202; Rank: 32/88 in Infectious Disease, Citation: 1**) [**First & Corresponding author**]
27. Lee R, Lui WM, Cheung RTF, Leung GKK, **Chan KH**. Mechanical thrombectomy in acute proximal middle cerebral artery thrombosis with the alligator retrieval device. *Cerebrovascular Diseases* 2007;23:69-71 (**JIF 2.931; Rank: 81/197 in Clinical Neurology, 28/65 in Peripheral Vascular Disease, Citation: 3**)
28. Ng MC, Ho JT, Ho SL, Lee R, Li G, Cheng TS, Song YQ, Ho PW, Fong GC, Mak W, **Chan KH**, Li LS, Luk KD, Hu Y, Ramsden DB, Leong LL. Abnormal diffusion tensor in nonsymptomatic familial amyotrophic lateral sclerosis with a causative superoxide dismutase 1 mutation. *J Magnetic Resonance Imaging* 2008;27:8-13 (**JIF 3.612; Rank: 24/148 in Radiology, Nuclear Medicine & Medical Imaging, Citation: 39**)
29. McKeon A, Lennon VA, Jacob A, Matiello M, Lucchinetti CF, Kale N, **Chan KH**, Weinshenker BG, Apiwattinakul M, Wingerchuk DM, Pittock SJ. Coexistence of myasthenia gravis and serological markers of neurological autoimmunity in neuromyelitis optica. *Muscle & Nerve* 2009;39(1):87-90 (**JIF 2.496; Rank: 106/197 in Clinical Neurology, 168/261 in Neurosciences, Citation: 86**)
30. Chu AC, Ho PW, Kwok KH, Ho JW, **Chan KH**, Liu HF, Kung MH, Ramsden DB, Ho SL. Mitochondrial UCP4 attenuates MPP(+)- and dopamine-induced oxidative stress, mitochondrial depolarization, and ATP deficiency in neurons and is interlinked with UCP2 expression. *Free Radical Biology and Medicine* 2009;46(6):810-820 (**JIF 6.020; Rank: 39/292 in Biochemistry & Molecular Biology, 17/143 in Endocrinology & Metabolism, Citation: 42**)
31. Li ML, Cheng TS, Ho PWL, **Chan KH**, Mak W, Cheung RTF, Ramsden DB, Sham PC, Song YQ, Ho SL. -459>T point mutation in 5' non-coding region of human GJB1 gene is linked to X-linked Charcot-Marie-Tooth neuropathy. *Journal of Peripheral Nervous System* 2009;14:14-21 (**JIF 2.550; Rank: 104/197 in Clinical Neurology, 164/261 in Neurosciences, Citation: 11**)

32. **Chan KH***, Ramsden DB, Yu YL, Kwok KHH, Chu ACY, Ho PWL, Kwan JSC, Lee R, Lim E, Kung MHW, Ho SL. NMO-IgG in idiopathic inflammatory demyelinating disorders among Hong Kong Chinese. *European Journal of Neurology* 2009;16:310-316 (**JIF 4.621; Rank: 34/197 in Clinical Neurology, 56/261 in Neurosciences, Citation: 86**) [**First & Corresponding author, commented in editorial**]
33. Goh KJ, Umapathi T, Puvanarajah SD, Lo YL, Goh KY, Witoonpanich R, Chandrachang S, Misbach J, Wibowo BS, Rosales RL, Damian HLF, **Chan KH**, Chiu HC Shahrizaila N. Good clinical practice points on the use of acetylcholinesterase inhibitors in myasthenia gravis: Recommendations from the Special Interest Group in Myasthenia Gravis in Asia. *Neurology Asia*. 2009;14(2): 175-176 (**JIF 0.200; Rank: 196/197 in Clinical Neurology, Citation: 0**)
34. Ho WL, Liu H, Ho WM, Zhang W, Chu ACY, Kwok HH, Ge X, **Chan KH**, Ramsden DB, Ho SL. Mitochondrial Uncoupling Protein-2 (UCP2) Mediates Leptin Protection Against MPP+ Toxicity in Neuronal Cells, *Neurotoxicity Research* 2010;17(4): 332-343 (**JIF 3.186; Rank: 117/261 in Neurosciences Citation: 29**)
35. Ho WM, Ho WL, Zhang W, Liu H, Kwok HH, Yiu CW, **Chan KH**, Kung MHW, Ramsden DB, Ho SL. Transcriptional Regulation of UCP4 by Nuclear Factor kappaB and its Role in Mediating Protection Against MPP(+) Toxicity *Free Radical Biology and Medicine* 2010;49:192-204 (**JIF 6.020; Rank: 39/292 in Biochemistry & Molecular Biology, 17/143 in Endocrinology & Metabolism, Citation: 12**)
36. Kwok HH, Ho WL, Chu ACY, Ho WM, Liu H, Yiu CW, **Chan KH**, Kung MHW, Ramsden DB, Ho SL. Mitochondrial UCP5 is neuroprotective by preserving mitochondrial membrane potential, ATP levels, and reducing oxidative stress in MPP(+) and dopamine toxicity. *Free Radical Biology and Medicine*. 2010 49(6), 1023-1035 (**JIF 6.020; Rank: 39/292 in Biochemistry & Molecular Biology, 17/143 in Endocrinology & Metabolism, Citation: 35**)
37. **Chan KH***, Kwan JSC, Ho PWL, Ho SL, Chui WH, Chu ACY, Ho JWM, Zhang WY, Kung MHW. Aquaporin-4 water channel expression by thymoma of patients with and without myasthenia gravis. *Journal of Neuroimmunology* 2010, 227, 178-184. (**JIF 2.655; Rank: 94/155 in Immunology, 156/261 in Neurosciences, Citation: 18**) [**First & *Corresponding author**]
38. **Chan KH***, Kwan SC, Ho WL, Ho WM, Chu ACY, Ramsden DB. Aquaporin-4 autoantibodies in neuromyelitis optica spectrum disorders: comparison between tissue-based and cell-based indirect immunofluorescence assays. *Journal of Neuroinflammation*, 2010, 7(1), 50 (**JIF =5.193; Rank: 33/155 in Immunology, 40/261 in Neurosciences, Citation: 50**) [**First & *Corresponding author**]

39. Kim M, Chan A, Mak H, Chan Q, **Chan KH**. Magnetization transfer of MRI measurement of cervical spinal cord abnormalities in patients with neuromyelitis optica. *Proceedings of the International Society for Magnetic Resonance in Medicine* 2010;18:4230
40. **Chan KH***, Tse CT, Chung CP, Lee R, Kwan JSC, Ho PWL, Ho JWM. Brain involvement of neuromyelitis optica spectrum disorders. *Archives of Neurology* 2011;68(11):1432-1439 (*journal renamed as JAMA Neurology since 2014, JIF 11.460; Rank: 5/197 in Clinical Neurology, Citation: 47*) [*First &*Corresponding author*]
41. **Chan KH***, Tsang KL, Ho PWL, Tse CT, Kwan JSC, Ho JWM, Chu ACY, Chang RSK, Ho SL. Clinical outcome of relapsing remitting multiple sclerosis among Hong Kong Chinese. *Clinical Neurology and Neurosurgery* 2011;113:617-622 (*JIF 1.736; Rank: 151/197 in Clinical Neurology, 105/200 in Surgery*) (*JIF 1.736; Rank: 151/197 in Clinical Neurology, 105/200 in Surgery, Citation: 9*) [*First &*Corresponding author*]
42. Qian W, Chan Q, Mak H, Zhang Z, Anthony MP, Yau KK, Khong PL, **Chan KH**, Kim M. Quantitative assessment of the cervical spinal cord damage in neuromyelitis optica using diffusion tensor imaging at 3 Tesla. *Journal of Magnetic Resonance Imaging* 2011;33(6):1312-20. doi: 10.1002/jmri.22575 (*JIF 3.612; Rank: 24/128 in Radiology, Nuclear Medicine & Medical Imaging, Citation: 41*)
43. Chong BH, **Chan KH**, Pong V, Lau KK, Chan YH, Zuo ML, Lui WM, Leung GK, Lau CP, Tse HF, Pu JK, Siu CW. Use of aspirin in Chinese after recovery from primary intracranial haemorrhage. *Thrombosis Haemostasis* 2011;107(2) (*JIF 4.899; Rank: 14/71 in Hematology; 7/65 in Peripheral Vascular Disease, Citation: 22*)
44. Leung GK, **Chan KH**, Hung KN. Growing skull fracture in an adult nine years after blunt head trauma. *Journal of Clinical Neuroscience* 2011;18(6):855-7 (*JIF 1.640; Rank: 156/197 in Clinical Neurology, 219/261 in Neurosciences, Citation: 5*)
45. Ho PWL, Ho WWM, Liu HF, So DHF, Tse ZHM, **Chan KH**, Ramsden DB, Ho SL. Mitochondrial neuronal uncoupling proteins: a target for potential disease-modification in Parkinson's disease. *Translational Neurodegeneration* 2012;1:3 (*JIF 5.872; Rank: 31/261 in Neurosciences, Citation: 40*)
46. **Chan KH***, Zhang R, Kwan JSC, Guo VY, Ho PWL, Ho JWM, Chu ACY. Aquaporin-4 autoantibodies cause asymptomatic aquaporin-4 loss and activate astrocytes in mouse. *Journal of Neuroimmunology* 2012;245:32-38 (*JIF 2.655; Rank: 94/155 in Immunology, 156/261 in Neurosciences, Citation: 6*) [*First &*Corresponding author*]

47. Pang SYY, **Chan KH***, Mak W, Kung MWH, Lee CM, Tsoi TH, Yip EKK, Ho SL. Single nucleotide polymorphism of transient axonal glycoprotein-1 and its correlation with clinical features and prognosis in chronic inflammatory demyelinating polyneuropathy. *Journal of Peripheral Nervous System* 2012;17:72-75 (**JIF 2.550; Rank:104/197 in Clinical Neurology, 164/261 in Neurosciences, Citation: 6**) [***Corresponding author**]
48. Ho PWL, Ho JWH, Tse HM, So DHF, Yiu DCS, Liu HF, **Chan KH**, Kung MHW, Ramsden DB, Ho SL. Uncoupling protein-4 (UCP4) increases ATP supply by interacting with mitochondrial Complex II in neuroblastoma cells. *PLoS ONE* 2012;7(2):e32810 (**JIF 2.766; Rank: 15/64 in Multidisciplinary Sciences, Citation: 12**)
49. Pong V, **Chan KH***, Chong BH, Lui WM, Leung GK, Tse HF, Pu JK, Siu CW. Long-term outcome and prognostic factors after spontaneous cerebellar hemorrhage. *Cerebellum* 2012;11(4):939-945 (**JIF = 3.199; Rank: 114/261 in Neurosciences, Citation: 14**) [***Co-first author**]
50. Ho JWM, Ho PWL, Liu HF, So DHF, **Chan KH**, Tse ZHM, Kung MHW, Ramsden DB, Ho SL. UCP4 is a target effector of NF- κ B c-Rel pro-survival pathway against oxidative stress. *Free Radical Biology and Medicine* 2012;53(2):383-394 (**JIF 6.020; Rank: 39/292 in Biochemistry & Molecular Biology, 17/143 in Endocrinology & Metabolism Citation: 14**)
51. Zhou L, **Chan KH***, Chu LW, Kwan JSC, Song YQ, Chen LH, Ho PWL, Cheng OY, Ho JWM, Lam KS. Plasma amyloid- β oligomers level is a biomarker for Alzheimer's disease diagnosis. *Biochemical and Biophysical Research Communications* 2012;423:697-702 (**JIF 2.559; Rank:171/292 in Biochemistry & Molecular Biology, 35/72 in Biophysics, Citation: 27**) [***Co-first author & corresponding author**]
52. Ramsden DB, Ho WL, Ho WM, Liu H, So HF, Tse HM, **Chan KH**, Ho SL. Human Neuronal Uncoupling Proteins 4 and 5 (UCP4 and UCP5): structural properties, regulation and physiological role in protection against oxidative stress and mitochondrial dysfunction. *Brain and Behavior* 2012, 2(4): 468-478 (**JIF 2.219; Rank: 30/51 in Behavioral Sciences, 184/261 in Neurosciences, Citation: 38**)
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VI.6 Submitted Manuscript to International Journals

VI.7 Published Abstracts in International Journals and Conference Papers in International Meetings

1. **Chan KH**, Cheung TFR, Ho SL. Infections mimicking Tolosa Hunt Syndrome. *Neuroscience Letters NELED* 1997;49 (Suppl 4):S3
2. **Chan KH**, Cheung TFR, Ho SL. Clinical Features of Local Migraine Patients. *Neuroscience Letters NELED* 1998;50 (Suppl 3):S6
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17. Qian W, Chan Q, Mak H, Zhang Z, Anthony MP, Yau KK, Khong PL, **Chan KH**, Kim M. Quantitative assessment of the cervical spinal cord damage in

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27. Lau KK, Chang RSK, **Chan KH**, Ho SL, Hon SFK. Visit-to-visit Systolic Blood Pressure Variability Predicts All-Cause and Cardiovascular Mortality after Lacunar Infarct” (2014, Apr) American Academy of Neurology 66th Annual Meeting, Philadelphia, USA.

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30. Guo Y, Chung SK, Siu CW, Kwan SC, Lee CY, Ho PWL, Yeung PKK, Teo KC, **Chan KH**. Endothelin-1 overexpression exacerbate experimental allergic encephalomyelitis. Physiology Symposium 2014 & Joint Scientific Conference of The Hong Kong Society of Neurosciences & The Biological Society of Hong Kong.
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32. **Chan KH**. Adiponectin in Dementia. 5th International Alzheimer's Disease Conference. 2015. Hong Kong
33. **Chan KH**. Central nervous system inflammatory demyelinating disorders in Hong Kong Chinese. APAC MS Summit. July 18-19, 2015. Hong Kong
34. **Chan KH**. Neuroinflammation in Alzheimer's disease, Target for Potential Novel Therapies. 6th International Alzheimer's Disease Conference. 2016. Hong Kong
35. **Chan KH**. Upcoming therapies in MS. APAC MS Summit. July 16-17, 2016. Seoul
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37. CY Lee, HKF Mak, PW Chiu, HC Chang, F Barkhof, **Chan KH**. Differential brainstem atrophy patterns in multiple sclerosis and neuromyelitis optica spectrum disorders among Hong Kong Chinese. American Academy of Neurology Annual Meeting 2017, Boston
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39. **Chan KH**. Neuroinflammation and related treatment in AD. 7th International Alzheimer's Disease Conference. Advances in dementia research and care. 2017. Hong Kong
40. **Chan KH**, Yick LW. Passive transfer of human aquaporin-4 IgG autoantibodies causes complement-independent spinal cord immunopathologies in mice. American Academy of Neurology Annual Meeting 2018, Los Angeles
41. **Chan KH**, Yick LW. Aquaporin-4 IgG autoantibodies from neuromyelitis optica spectrum disorder patients cause complement-independent spinal cord pathologies and motor deficits in mice. European Academy of Neurology Annual Meeting 2018, Lisbon
42. Ng RCL, Bunting M, Jian M, Kwan SC, **Chan KH**. AdipoRon, a adiponectin receptor agonist, rescues cognitive deficits, reduced Alzheimer's disease pathologies and prevented neurodegeneration by enhancing neuronal insulin sensitivity in 5XFAD mice. 5th International Conference on Molecular Neurodegeneration (ICMN) 2018, Stockholm

VI.8 Published Abstracts in Local Journals and Conference Papers in Local Meetings

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12. Cheng TS, Mak W, Fong GCY, Tsang KL, **Chan KH**, Cheung RTF, Ho SL. Re-exploring the cerebrospinal fluid (CSF) to serum glucose ratio. *HKMJ* 2003;9 (Supplement);8
13. Fong GCY, Mak W, Cheng TS, **Chan KH**, Fong JKY, Ho SL. A prevalence study of epilepsy in HKSAR, China. *HKMJ* 2003;9(supplement):76
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16. Cheng TS, Fong GCY, Mak W, **Chan KH**, Cheung RT, Ho SL. An epidemiological study of motor neuron disease in Hong Kong. *HKMJ* 2003;9 (supplement):80
17. Fong GCY, Cheung RTF, Cheng TS, Mak W, **Chan KH**, Fong KY, Ho SL. Headache co-morbidity and seizure control in patients with epilepsy. *HKMJ* 2003;9(supplement):75
18. **Chan KH**, Cheung RFT, Mak W, Fong GCY, Tsang KL, Cheng TS, Ho SL. Predictive factors for ischemic strokes complicating tuberculous meningitis. *HKMJ* 2004;10(Supplement 1):34

19. **Chan KH**, Cheung RTF, Lee R, Mak W, Cheng TS, Ho SL. Cerebral infarction complicating tuberculous meningitis. *HKMJ* 2004;10(Suppl 2):8
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23. Cheng TS, Mak W, Fong GCY, **Chan KH**, S L Ho SL, Cheung RT. Clinical relevance of severe initial hypertension in acute intracerebral haemorrhage. *HKMJ* 2004;10(Supplement 1):26
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31. **Chan KH**, Ramsden DB, Kwok KHH, Chu ACY, Ho WL, Kwan SC, Kung MHW, Ho SL. Anti-aquaporin-4 Antibodies In Idiopathic Inflammatory Demyelinating Disorders, Medical Research Conference, LKS Faculty of Medicine, The University of Hong Kong. *Hong Kong Medical Journal*, 2009
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 42. Lau KK, Chan JF, Yuen KY, Tse CT, Chang RS, Pang YY, Lee CY, Kwan M, Hon FK, Mak W, Cheung RTF, Ho SL, **Chan KH**. Clinical and neuroradiological features of viral encephalitis: a hospital based study. *HKMJ* 2012;18 (Suppl 1):31
 43. Lau GKK, Chan YH, Wong YK, Yiu KH, Teo KC, Li LSW, Shu XO, Cheung RTF, Ho SL, **Chan KH**, Siu DCW and Tse HF. Garlic intake is an independent predictor of endothelial function in patients with ischaemic stroke, 18th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2013;19 (Suppl 1):29
 44. Lau GKK, Wong YK, Hon FKS, **Chan KH**, Mak W, Tse HF, Siu DCW, Cheung RTF, Ho SL and Li LSW. Prognosis and functional outcome after ischaemic stroke in Chinese, 18th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2013;19 (Suppl 1):30
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51. **Chan KH**. Diabetes mellitus and cognitive dysfunction. Update on Diabetes Management. The University of Hong Kong. 31 Aug & 1 Sep 2013
52. **Chan KH**. Cellular therapy for multiple sclerosis. Second Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society. 16 Nov 2013
53. Lee JCY, Pang SYY, Tse ACT, Lau KK, Chang SK, Ho SL, Cheung RTF, Mak WWW, Hon SFK, Chang CKL, Teo KC, **Chan KH**. Myasthenic crisis in patients with generalized myasthenia gravis. *HKMJ* 2014;20 (1) (Suppl 1):30
54. Lee JCY, Pang SYY, Tse ACT, Lau KK, Chang SK, Ho SL, Cheung RTF, Mak WWW, Hon SFK, Chang CKL, Teo KC, **Chan KH**. Thymomatous myasthenia gravis in Hong Kong Chinese. *HKMJ* 2015;21 (1) (Suppl 1):33
55. **Chan KH**. Use of anti-platelet drugs in stroke prevention. Annual Scientific Meeting of Hong Kong College of Physicians. 2014 October 19
56. **Chan KH**. Guillain-Barre Syndrome. Annual Neurology Conference, HKU-Shenzhen Hospital. 2015 July 25
57. Cheng OY, Lam KSL, Chung SK, Xu A, Yeung PKK, Kwan JSC, Ho PWL, Cheng KKY, Guo VY, **Chan KH**. Cognitive impairment in adiponectin-knockout mice, 19th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2014;20(Suppl 1):14

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60. Lau KK, Wong YK, Teo KC, Chang RSK, Hon SFK, **Chan KH**, Cheung RTF, Li LSW, Tse HF, Ho SL, Siu CW. Stroke patients with cancer are at increased risk of recurrent stroke and cardiovascular mortality, 19th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2014;20(Suppl 1):29
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62. Teo KC, Lau GKK, Lee R, Chang SK, Leung GKK, Siu DCW, Cheung RTF, Ho SL, **Chan KH**. Antiplatelet drug resumption after antiplatelet-related intracerebral haemorrhage, 19th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2014;20(Suppl 1):40
63. Lau KK, Teo KC, Wong YK, Li OY, **Chan KH**, Cheung RHK, Chan CY, Wong EKM, Chan OL, Wong E, Cheung RTF, Tse HF, Ho SL, Mak HKF, Siu CW. Clinical correlates and prognostic implications of cerebral microbleeds in patients with ischaemic stroke, 20th Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2015;21(Suppl 1):18
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Hong Kong, *Hong Kong Medical Journal*. 2015;21(Suppl 1):33

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70. Leung SST, Lee JCY, Lau KK, Chang RSK, Pang SY, Ng RCL, **Chan KH**. Cognitive impairment in multiple sclerosis and neuromyelitis optica among Hong Kong Chinese, 21st Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2016;22(Suppl 1):37
71. Ning ZY, Kwok HH, **Chan KH**, Lam DCL. The difference of expression level of alpha 7 nicotine acetylcholine receptors in the mutant and wild-type non-small-cell lung cancer, 21st Medical Research Conference, Department of Medicine, The University of Hong Kong, *Hong Kong Medical Journal*. 2016;22(Suppl 1):43
72. Cheung RHK, **Chan KH**, Lee R. Haemorrhagic transformation of ischaemic stroke: risk factors and prognostic implication. *Hong Kong Medical Journal* 2017;23(1)(Supplement 1):15
73. Lee CY, Mak HKF, Chiu PW, Chang HC, Barkhof F, **Chan KH**. Differential brainstem atrophy patterns in multiple sclerosis and neuromyelitis optica spectrum disorders among Hong Kong Chinese. *Hong Kong Medical Journal* 2017;23(1)(Supplement 1):29

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75. Lau KK, Li L, Schulz U, Simoni M, **Chan KH**, Ho SL, Cheung RTF, Kuker W, Mak HKF, Rothwell PM. Total small vessel disease score and risk of recurrent stroke: validation in two large cohorts. *Hong Kong Medical Journal* 2018;24(1)(Supplement 1):35

VI.9 Articles in Local Newspapers and Magazines

1. **Chan KH**. Myasthenia gravis. *Metro Daily* 2005 (March 11):P20
2. **Chan KH**. Muscle disease affects all ages. *MetroDaily* 2005 (March 11):P44
3. **Chan KH**. Inflammatory myopathy. *Metro Daily* 2008 (April 29)
4. **Chan KH**. Brief Talk on Multiple Sclerosis, *Metropolis Daily*, 2010, 30
5. **Chan KH**. Multiple Sclerosis, *The Sun (Chinese Newspaper)*, 2010
6. **Chan KH**. Multiple Sclerosis, *The Sun (Chinese Newspaper)*, 2012
7. **Chan KH**. Multiple sclerosis affects cognitive functions. *Health Plus* 2012;135:26 (in Chinese)
8. **Chan KH**. Multiple sclerosis affects patients lifelong. *Health Plus* 2012;142:37 (in Chinese)
9. **Chan KH**. Update of migraine. *Oriental Daily (Chinese Newspaper)* 2014
10. **Chan KH**. Advances in multiple sclerosis. *Headline News* 2016 Aug 26. (in Chinese)
11. **Chan KH**. Multiple sclerosis and related research on in Hong Kong. *Hong Kong Economic Journal* 2016 (in Chinese)

VII. ORGANIZATION OF PROFESSIONAL AND ACADEMIC MEETINGS

VII.1 Organization of International Professional and Academic Conferences

1. **Member**, Organising Committee and Scientific Committee for the IVIg use in Neurological Diseases Asia Pacific Symposium (INDAPS) 2004, Singapore
2. **Member**, Organising Committee and Scientific Committee for the the IVIg use in Neurological Diseases Asia Pacific Symposium (INDAPS) 2005, Sydney
3. **Member**, Organizing Committee of the Second Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS) 2009, Hong Kong
4. **Member**, Organizing Committee of Alzheimer's Disease Conference: From Public Health to Therapeutic Insights 2009, Hong Kong
5. **Member**, Organizing Committee of Alzheimer's Disease Conference: From Public Health, Basic and Clinical Sciences to Therapeutic Insights 2010, Hong Kong.
6. **Member**, Organizing Committee of Alzheimer's Disease Conference: From Public Health, Basic and Clinical Sciences to Therapeutic Insights 2011, Hong Kong
7. **Co-chairman**, 7th International Symposium on Healthy Aging 2012, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
8. **Member**, Organizing Committee of 17th Hong Kong Medical Forum 2012, organized by the University Department of Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong
9. **Member**, Organizing Committee of Alzheimer's Disease Conference: From Public Health, Basic and Clinical Sciences to Therapeutic Insights 2012, Hong Kong
10. **Member**, Organizing Committee of the 8th International Symposium on Healthy Aging 2013, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
11. **Member**, Local Organizing Committee, 6th Autoimmunity Congress Asia (ACA 2013), Hong Kong
12. **Member**, Organizing Committee, International Alzheimer's Disease Conference 2014: Early detection, Treatment & Prevention of Dementia: Patients' and Caregivers' Perspectives. 2014, Hong Kong
13. **Member**, Organizing Committee of the 9th International Symposium on Healthy Aging 2014, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong

14. **Chairman**, MS Expert Meeting for South East Asia: Personalizing the treatment in modern MS, July 2014, Hong Kong
15. **Member**, Organizing Committee of the 10th International Symposium on Healthy Aging 2015, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
16. **Member**, Organizing Committee, International Alzheimer's Disease Conference 2015, Hong Kong
17. **Member**, Organizing Committee, APAC MS Summit. 2015, Hong Kong
18. **Member**, Organizing Committee of the 11th International Symposium on Healthy Aging 2016, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
19. **Member**, Organizing Committee of Alzheimer's Disease Conference 2015, Hong Kong
20. **Member**, Organizing Committee of Alzheimer's Disease Conference 2016, Hong Kong
21. **Member**, Organizing Committee of the 12th International Symposium on Healthy Aging 2017, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
22. **Member**, Organizing Committee of the 13th International Symposium on Healthy Aging 2018, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong
23. **Member**, Organizing Committee of 23rd Hong Kong Medical Forum 2019, organized by the University Department of Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong
24. **Member**, Organizing Committee of the 14th International Symposium on Healthy Aging 2019, organized by the Research Center for Heart, Brain, Hormone and Healthy Aging, Li Ka Shing Faculty of Medicine, The University of Hong Kong

VII.2 Organization of Local Professional and Academic Conferences

1. **Member**, Organizing Committee of the 17th Annual Scientific Meeting of the Hong Kong Neurological Society 2004 Hong Kong

2. **Member**, Organizing Committee and Scientific Committee for the 21st Annual Scientific Meeting of the Hong Kong Neurological Society 2008, Hong Kong
3. **Member**, Organizing Committee of the 13rd Medical Research Conference 2008, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong
4. **Member**, Organizing Committee of the 17th Medical Research Conference 2012, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong
5. **Member**, Organizing Committee of the 15th Hong Kong Medical Forum 2012, Hong Kong
6. **Member**, Organizing Committee of the 1st Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2012, Hong Kong
7. **Co-chairman**, “Natalizumab in Clinical Practice and Certificate course”, co-organized by the Hong Kong Neurological Society and Hong Kong Multiple Sclerosis Society, 2013, Hong Kong
8. **Chairman**, Organizing Committee. Second Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2013, Hong Kong
9. **Member**, Local Organizing Committee, Autoimmunity Congress Asia, 2013, Hong Kong
10. **Member**, Organizing Committee of the 19th Medical Research Conference 2014, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong
11. **Chairman**, Organizing Committee of the Third Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2014, Hong Kong
12. **Chairman**, Risk Management Program training for natalizumab, Hong Kong Multiple Sclerosis Society, 2014 Hong Kong
13. **Chairman**, Organizing Committee of the 20th Medical Research Conference 2015, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong
14. **Member**, Organizing Committee of the Fourth Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2015, Hong Kong

15. **Chairman**, Organizing Committee of the 21st Medical Research Conference 2016, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong
16. **Member**, Organizing Committee of the Fifth Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2016, Hong Kong
17. **Member**, Organizing Committee of the Sixth Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, 2018, Hong Kong
18. **Member**, Organizing Committee of the 24th Medical Research Conference 2019, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong

VIII. INVITED SPEAKER, CHAIRMAN AND FACULTY

VIII.1 Invited Speaker, Chairman and Faculty in International Meetings

1. **Invited Speaker**, the Monthly Immunology Conference of Mayo Clinic Rochester, MN, USA 2001. Title of talk: Anti-neuronal nuclear antibody type 3 (ANNA-3): a novel paraneoplastic neuronal antibody
2. **Invited Chairman**, the 1st Use of IVIg in Neurological Disease Asia Pacific Symposium (INDAPS) 2004, Singapore.
3. **Invited Speaker**, the 2nd Use of IVIg in Neurological Disease Asia Pacific Symposium (INDAPS) 2005, Sydney. Title of talk: Paraneoplastic Neurological Disorders
4. **Invited Speaker**, the Asian Regional Expert Group Meeting on Myasthenia Gravis 2009, Kuala Lumpur. Title of Talk: Myasthenia Crisis
5. **Invited Speaker**, International Alzheimer's Disease Conference: From Public Health to Therapeutic Insights 2010, Hong Kong. Title of talk: Neuroinflammation in Alzheimer's Disease
6. **Invited Chairman**, Young Investigators Award Forum II of Fifth International Symposium on Healthy Aging , Fifth International Symposium on Healthy Aging, Research Center of Heart, Brain, Hormone and Healthy Aging, LKS Faculty of Medicine, The University of Hong Kong , 2010

7. **Invited Speaker**, Annual Meeting of Taiwan Neurological Society 2011, Taiwan. Title of talk: Central nervous system inflammatory demyelinating disorders of Hong Kong Chinese (Abstract published in Bulletin, Taiwan Neurological Society)
8. **Invited Speaker & Discussant**, The Guthy-Jackson Charitable Foundation's fourth NMO Roundtable Conference, 2011, Los Angeles
9. **Invited Speaker**, Asian Multiple Sclerosis Regional Medical Conference: Evolving Patient Treatment and Care in Asia, 2012, Hong Kong. Title of talk: A Hong Kong Perspective on the Treatment of Multiple Sclerosis and Neuromyelitis Optica.
10. **Invited Speaker & Discussant**, The Guthy-Jackson Charitable Foundation's fifth NMO Roundtable Conference, 2012 Los Angeles
11. **Invited Speaker**, 18th Hong Kong Medical Forum. Title "Management of multiple sclerosis and neuromyelitis optica for the non-neurologists". May 11-12, 2013, Hong Kong
12. **Invited Speaker**, 6th Autoimmunity Congress Asia (ACA 2013), Hong Kong
13. **Invited Chairman**, 6th Autoimmunity Congress Asia (ACA 2013), Hong Kong
14. **Invited Speaker**, 14th Asian & Oceanic Congress of Neurology (AOCN 2014). Title of talk "Immunological basis of multiple sclerosis and neuromyelitis optica". March 2-5, 2014, Macao
15. **Invited Chairman**, International Alzheimer's Disease Conference 2014. Early detection, treatment & prevention of dementia: patients' and caregivers' perspectives. Hong Kong University Alzheimer's Disease Research Network, Research Center of Heart, Brain, Hormone and Healthy Aging, LKS Faculty of Medicine, The University of Hong Kong. 6-7 June 2014, Hong Kong
16. **Invited Speaker**, Physiology Symposium 2014 & Joint Scientific Conference of The Hong Kong Society of Neurosciences & The Biological Society of Hong Kong. Title "Endothelin-1 overexpression exacerbate experimental allergic encephalomyelitis". June 12-14, 2014 Hong Kong
17. **Invited Discussant**, Biogen Idec APAC Executive Joint Advisory Board Meeting. Taipei, November 2014
18. **Invited Speaker**, International Alzheimer's Disease Conference 2015. Title of talk: Adiponectin and Dementia. Hong Kong, June 2015

19. **Invited Speaker**, APAC MS Summit. 2015. Title of talk: Central nervous system inflammatory demyelinating disorders in Hong Kong Chinese. Hong Kong, July 2015
20. **Invited Speaker**, International Alzheimer's Disease Conference 2016. Title of talk: Neuroinflammation in Alzheimer's disease, Target for Potential Novel Therapies. Hong Kong, June 2016
21. **Invited Speaker**, APAC MS Summit 2016. Title of talk: Upcoming therapies in MS. Seoul July 2016
22. **Invited Speaker**, International Alzheimer's Disease Conference 2017, Advances in Dementia Research and Care. Title of talk: Neuroinflammation and related treatments in AD. Hong Kong, May 2017
23. **Invited Chairman**, 2017 UCB APAC MS Summit. Pathfinder for Personalized Treatment and Care in MS. Taiwan 2017.
24. **Invited Panelist**, APAC MS Summit 2017. Symposium: The value of MRI in MS care and management. Taipei July 2017
25. **Invited Speaker**, 1st Train the Trainer (TTT) for MS experts 2018. Title of Talk: Immunopathology of MS: Role of B & T cell, Shanghai April 2018
26. **Invited Speaker**, 1st MS Expert Meeting 2018. Title of Talk: Immunopathology of MS: Role of B & T cell, Taipei July 2018
27. **Invited Speaker**, 8th Annual World Congress of Molecular & Cell Biology 2018 (CMCB-2018), Theme 405: Neurodegeneration. Title of Talk: Chronic adiponectin deficiency leads to Alzheimer's disease-like cognitive impairments and pathologies through AMPK inactivation and cerebral insulin resistance in aged mice, Fukuoka, Japan 2018.

VIII.2 Invited Speaker, Chairman and Faculty in Local Meetings

1. **Invited speaker**, monthly scientific meeting of the Hong Kong Neurological Society 2002 (Topic: seronegative myasthenia gravis)
2. **Invited speaker**, oral presentation in the Bimonthly Scientific Meeting of the Hong Kong Society of Child Neurology and Developmental Paediatrics 2004 (Topic: autoimmune myasthenia gravis)

3. **Invited speaker**, Monthly Scientific Meeting of the Hong Kong Neurological Society 2004 (Title of talk: Multiple sclerosis and related disorders)
4. **Invited speaker**, 18th Annual Scientific Meeting of the Hong Kong Neurological Society 2005 (Topic: Paraneoplastic Peripheral Neuropathy)
5. **Invited speaker**, topic review in monthly meeting of The Hong Kong Neurological Society, December 2007. (Title: Neuromuscular junction transmission disorders in the elderly)
6. **Invited speaker**, Pharmacological Treatment of Rare Diseases of the Hospital Authority's Chief Pharmacist's Office, March 2008. Title of talk: Pharmacological treatment of multiple sclerosis.
7. **Invited chairman**, the "Multiple Sclerosis Symposium" of the Annual Scientific Meeting of the Hong Kong Neurological Society, 2008
8. **Invited speaker**, the Frontiers in Biomedical Research, LKS Faculty of Medicine, the University of Hong Kong, 2009. Title of talk: "Amyloid beta neurotoxicity"
9. **Invited speaker**, the Obstetrics and Gynaecology Clinical Conference, title: "A Case Of Postpartum Collapse: Neurologist's Perspective" Hong Kong Sanatorium Hospital, 2010
10. **Invited speaker**, the 23rd Annual Scientific Meeting of the Hong Kong Neurological Society, title: "Central Nervous System Inflammatory Demyelinating Disorders in the Hong Kong Chinese" 2010
11. **Invited speaker**, the monthly meeting of the Rotary Club of Kowloon, title: "Multiple Sclerosis And Neuromyelitis Optica Spectrum Disorders" 2010
12. **Invited speaker**, the Myasthenia Gravis Group of the Hong Kong Neuromuscular Association, title: "Update On Management Of Autoimmune Myasthenia Gravis" 2010
13. **Invited Chairman**, Oral Session in Clinical Medicine, 15th Medical Research Conference , 15th Medical Research Conference, LKS Faculty of Medicine, The University of Hong Kong , 2010
14. **Invited Chairman**, Alzheimer's Disease Research Seminar: Current Concepts of Immunotherapy for Alzheimer Disease, Hong Kong University Alzheimer's Disease Research Network, Research Center of Heart, Brain, Hormone and Healthy Aging, LKS Faculty of Medicine, The University of Hong Kong, 2010

15. **Invited Chairman**, Session on Neurology, Hong Kong Medical Forum, LKS Faculty of Medicine, The University of Hong Kong, 2010
16. **Invited Chairman**, plenary section of the Medical Research Conference 2011, LKS Faculty of Medicine, The University of Hong Kong
17. **Invited speaker**, Sunday Symposium (CME for medical doctors) of the Society of Physicians of Hong Kong, January 2012; titled of talk “The practical evidence-based approach in stroke treatment”
18. **Invited Chairman**, plenary section of the Medical Research Conference 2012, LKS Faculty of Medicine, The University of Hong Kong
19. **Invited speaker**, “Multiple Sclerosis Update” on February 2012, Hong Kong, organized by the Hong Kong Neurological Society; title of talk “Natalizumab Case Sharing”
20. **Invited speaker**, Bimonthly Meeting of the Paediatric Neurology Association of Hong Kong, February 2012; title of talk “Autoantibodies in autoimmune myasthenia gravis”
21. **Invited speaker**, the 24th Annual Scientific Meeting of the Hong Kong Neurological Society, title: “Treatment of Central Nervous System Inflammatory Demyelinating Disorders” 2012
22. **Invited speaker**, the 1st Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, title: “Neuromyelitis Optica in Hong Kong Chinese” HKMSS 2012
23. **Invited Chairman**, Symposium XI: Aging Eyes of the 8th International Symposium on Health Aging, Research Centre of Heart, Brain, Hormone & Healthy Aging, The University of Hong Kong, 9-10 March, 2013
24. **Invited speaker**, Hospital Authority Commissioned Training, title “Pregnancy in Myasthenia Gravis” February, 2013, Hong Kong
25. **Invited speaker**, Session on Neurology, Hong Kong Medical Forum, LKS Faculty of Medicine, The University of Hong Kong, 2013
26. **Invited speaker**, Update on Diabetes Management, title “Diabetes mellitus and cognitive dysfunction” Department of Medicine, The University of Hong Kong, 2013
27. **Invited speaker**, Second Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, title “Cellular therapy for multiple sclerosis” HKMSS, 2013

28. *Invited speaker*, Forum on SRT – Neuroscience Funding Proposals, Strategic Research Theme on Neuroscience, title “Insulin resistance and Alzheimer’s disease” HKU 2014.
29. *Invited speaker*, Annual Scientific Meeting of Hong Kong College of Physicians, title “Use of anti-platelet drugs in stroke prevention”. October 2014
30. *Invited speaker*, Annual Scientific Meeting of Macau Neuromedical Society, title “Weakness that recovers, Guillain Barre syndrome”. November 2014
31. *Invited Chairman*, Risk Management Program training for natalizumab, December 2014, Hong Kong
32. *Invited Chairman*, plenary section of the 20th Medical Research Conference, University Department of Medicine, LKS Faculty of Medicine, The University of Hong Kong, January 2015
33. *Invited speaker*, Annual Neurology Conference, HKU-Shenzhen Hospital, title “Guillain Barre Syndrome”. July 2015
34. *Invited speaker*, Annual Scientific Meeting of Hong Kong College of Physicians, title “Multiple sclerosis and neuromyelitis optica: pathogenesis and treatment”. October 2015
35. *Invited speaker*, Fifth Annual Scientific Meeting of the Hong Kong Multiple Sclerosis Society, title “Advances in neuroimaging for multiple sclerosis and related disorders” HKMSS, 2016
36. *Invited speaker*, Evolving treatment algorithm for multiple sclerosis, title “Case sharing on alemtuzumab” HKMSS May 2017

IX. ATTENDANCE AND PRESENTATIONS AT ACADEMIC MEETINGS AND CONFERENCES

1. Oral presentation in the Annual Scientific Meeting of Hong Kong Society of Neuroscience, 1997
2. Poster presentation in Annual Scientific Meeting of the Hong Kong Neurological Society, 1998

3. Oral Presentation in monthly journal club meetings of the Hong Kong Neurological Society, 1998 and 1999, 2002
4. Attendance of Regional Meeting of International Stroke Society, Yokohama, Japan 1999
5. Attendance of 51st Annual Meeting of the American Academy of Neurology, 1999 (Toronto)
6. Oral presentation in monthly research meeting of Mayo Foundation – Mayo Clinic, Rochester, MN, 2000
7. Poster presentation in 53rd Annual Meeting of the American Academy of Neurology, 2001 (Philadelphia)
8. Oral presentation in Medical Research Conference 2002, University Department of Medicine, Queen Mary Hospital
9. Poster presentation in Medical Research Conference 2003, University Department of Medicine, University of Hong Kong, Queen Mary Hospital
10. Poster presentation in 55th Annual Meeting of the American Academy of Neurology 2003 (Honolulu)
11. Attendance at 5th International Symposium on IVIG, 2003 Interlaken, Switzerland
12. Poster presentation in Joint Annual Scientific Meeting of the Hong Kong Epilepsy Society and The Hong Kong Neurological Society 2003
13. Poster presentation in Medical Research Conference 2004, University Department of Medicine, The University of Hong Kong
14. Attendance of the Hong Kong Stroke Symposium and Workshop 2003
15. Poster presentation in 56th Annual Meeting of the American Academy of Neurology 2004 San Francisco
16. Poster presentation in 1st Asian Pacific Conference Against Stroke 2004, organized by the Hong Kong Stroke Society
17. Attendance of Second Multiple Sclerosis Forum 2004, Ho Chi Minh City, Vietnam, 2004
18. Invited Chairperson for the Use of IVIg in Neurological Disease Asia Pacific Symposium (INDAPS) 2004, Singapore

19. Poster presentation in the Use of IVIg in Neurological Disease Asia Pacific Symposium (INDAPS) 2004, Singapore
20. Oral presentation in the 17th Annual Scientific Meeting of the Hong Kong Neurological Society, 2004. Title: Cerebral infarcts complicating tuberculous meningitis.
21. Poster presentation at the European Federation of Neurological Society (EFNS) Congress, Athens 2005. Topic: Neuromyelitis optica more common than multiple sclerosis after acute transverse myelitis
22. Poster presentation in Multiple Sclerosis Forum 2005, Sydney. Topic: Idiopathic inflammatory demyelinating disorders after first attack of acute transverse myelitis.
23. Poster presentation in the Third Multiple Sclerosis Forum, Sydney 2005. (Title: Neuromyelitis optica more common than multiple sclerosis after acute transverse myelitis).
24. Poster presentation in the Medical Research Conference 2006, University Department of Medicine, Queen Mary Hospital. (Title: Muscle-specific kinase autoantibody in seronegative generalized myasthenia gravis among Hong Kong Chinese)
25. Oral platform presentation at the 58th Annual Meeting of the American Academy of Neurology, San Diego, USA 2006. Title of talk: Frequency and definition of seronegativity on adult-onset generalized myasthenia gravis
26. Poster presentation in the Second International Symposium on Healthy Aging. The University of Hong Kong, 2007, Hong Kong. Title of Poster: Frequency of Seronegativity in Adult-Onset Generalized Myasthenia Gravis
27. Attendance of the 18th European Conference on Treatment and Research in Multiple Sclerosis, Prague 2007
28. Attendance at the 13th Medical Research Conference of the University Department of Medicine, Queen Mary Hospital, The University of Hong Kong, January 2008
29. Poster presentation at the Third International Symposium on Healthy Aging, 2008. Research Center for Heart, Brain, Hormone and Healthy Aging, The University of Hong Kong. (Title: NMO-IgG in local patients with idiopathic inflammatory demyelination disorders).

30. Oral platform presentation at the 60th Annual Meeting of the American Academy of Neurology, Chicago, USA 2008. "Title: Coexisting autoimmune channelopathies: neuromyelitis optica with myasthenia gravis"
31. Poster presentation "Clinical Outcome of Relapsing Remitting Multiple Sclerosis Among Hong Kong Chinese", at 18th Meeting of the European Neurological Society, Nice, France, 2008. (Abstract published in Journal of Neurology, 2008;208)
32. Poster presentation "NMO-IgG in idiopathic inflammatory demyelinating disorders among Hong Kong Chinese", 18th Meeting of the European Neurological Society, Nice, France, 2008 (Abstract published in Journal of Neurology, 2008; 208)
33. Poster presentation "Neurological, serological and oncological characteristics of patients with paraneoplastic peripheral neuropathy", at the 12th EFNS Congress, Madrid, 2008
34. Poster presentation "NMO-IgG in idiopathic inflammatory demyelinating disorders among Hong Kong Chinese", at the 12th EFNS Congress, Madrid, 2008
35. Attendance at the 21st Annual Scientific Meeting of the Hong Kong Neurological Society, 2008, Hong Kong
36. Oral Presentation "Good clinical practice points on the use of acetylcholinesterase inhibitors in myasthenia gravis: recommendation from a South-East Asian regional special interest group on myasthenia gravis", at the 19th World Congress of Neurology, 2009
37. Poster Presentation "Chronic Inflammatory Demyelinating Polyradiculoneuropathy With And Without Diabetes Mellitus", at the 19th Meeting of the European Neurological Society, Milan. Journal of Neurology, 2009
38. Poster presentation "Synergistic role of neuronal uncoupling protein homologues, UCP4 and UCP5, in neuroprotection against mitochondrial dysfunction in Parkinson's disease", at the 9th International Alzheimer's Conference / Parkinson's Conference, Prague, 2009, 2009
39. Poster presentation "Characterization of the promoter region of human neuronal uncoupling protein-4 (UCP4) and its neuroprotective role in Parkinson's disease" at the 9th International Alzheimer's Conference / Parkinson's Conference, Prague, 2009, 2009

40. Oral presentation “Aquaporin-4 expression by thymoma of myasthenia gravis patients”, 20th Meeting of the European Neurological Society, Berlin, 2010
41. Poster presentation “Clinical Outcome of Hong Kong Chinese Relapsing Remitting Multiple Sclerosis”, at the 20th Meeting of European Neurological Society, Berlin, 2010
42. Poster presentation “Thymomatous myasthenia gravis among Hong Kong Chinese”, at the 20th Meeting of the European Neurological Society”, Berlin, 2010.
43. Oral presentation titled “Aquaporin-4 autoantibodies from neuromyelitis optica patients induce aquaporin-4 loss without myelitis in mouse” in American Academy of Neurology Annual Meeting, April 2011, Hawaii
44. Attendance at the Fourth Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS) 2011, Singapore
45. Attendance at the Fifth Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS) 2012, Beijing
46. Attendance at the 28th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2012, Lyon
47. Attendance at the 30th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2014, Copenhagen
48. Attendance at the 7th Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS) 2014, Taipei
49. Attendance at the 31st Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2015, Barcelona
50. Attendance at the 6th Congress of the Pan-Asian Committee for Treatment and Research in Multiple Sclerosis (PACTRIMS) 2015, Seoul
51. Attendance at the 31st Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2015, Barcelona
52. Poster presentation at Attendance at the 32nd Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) 2016, London
53. Poster presentation titled “ Passive transfer of human aquaporin-4 IgG autoantibodies causes complement-independent spinal cord immunopathologies in

mice” in American Academy of Neurology Annual Meeting, April 2018, Los Angeles

54. Oral presentation titled “Aquaporin-4 IgG autoantibodies from neuromyelitis optica spectrum disorder patients cause complement-independent spinal cord pathologies and motor deficits in mice” in European Academy of Neurology Annual Meeting, June 2018, Lisbon

X. EDITORSHIP AND REVIEWERS OF MEDICAL BOOKS AND JOURNALS

X.1 Invited Reviewers For Medical Journals

1. Invited reviewer for the Hong Kong Medical Journal
2. Invited reviewer for European Journal of Neurology
3. Invited reviewer for Clinical Neurology and Neurosurgery
4. Invited reviewer for Journal of Neurology Neurosurgery and Psychiatry
5. Invited reviewer for Journal of Neuroimmunology
6. Invited reviewer for Clinical Neuropharmacology
7. Invited reviewer for Muscle & Nerve
8. Invited reviewer for the International Journal of Molecular Sciences
9. Invited reviewer for Immunome Research

X.2 Editorial Board Membership

1. Associate Editor of **Open Journal of Immunology** (09/2012-8/2014)
2. Editor, **Expert consensus statements on the use of IVIG IN NEUROLOGY. The Asia-Pacific IVIG Advisory Board**. 2nd Edition. 2008
3. Member of Editorial Board, **Journal of Clinical & Experimental Immunology** (since 8/2016)
4. Issue Editor, **The Hong Kong Medical Diary**, March 2017. *Neuroimmunology*

XI. TEACHING ACTIVITIES

XI.1 Teaching Duties

Undergraduate Medical Teaching

1. Tutor of junior clerkship bedside teaching (since 2001)
2. Physician and teacher, specialty clerkship, new case clinic, (since 2004)
3. Examiner of senior clerkship clinical skills assessment, (since 2004)
4. Examiner of junior clerkship clinical skills assessment (since 2005)
5. Teacher, specialty clerkship (Medicine-Related Block) medical teaching clinic, since 2005 (topic: meningitis)
6. Tutor of Clinical Skills Sessions for BChinMed III, on central nervous system: clinical examinations on cranial nerves, motor and sensory system (since 2005)
7. Tutor of Clinical Skills Session for MBBS II (since 2007)
8. Lecturer for Whole Class Session, MBBS III (since 2007): title of whole class section “Severe Headache” and “Seizure and Loss of Consciousness”
9. Teacher, junior clerkship Medical Teaching Clinic (since 2008)
10. Case checking for junior clerkship MBBS III (since 2008)
11. Tutor for MBBS III Health Research Project (2008-2009, 2009-2010); For both years, both groups of students were awarded the **Hong Kong Society of Community Medicine Prize**
12. Chief Organizer for the final MBBS clinical examination in medicine (OSCE) for 2010 and 2011
13. Mentoring third-fifth year medical students for research and clinical exposure during year break. Results were presented by students at the Medical Research Conference 2010 and published*
 (*Teo KC, Mahboobani NR, Lee R, Siu CW, Cheung RTF, Ho SL, Lau KK, **Chan KH***. Warfarin associated intracerebral hemorrhage in Hong Kong Chinese. *Neurological Research* 2014;3692:143-149
 * Liu H.H.W., Tsang J.W.H., Pang S.Y.Y., Ho S.L., Cheung R.T.F., Chu A.C.Y., Tse M.M.Y., Mak W., Ho W.L. and **Chan K.H.** Thymomatous myasthenia gravis. *Hong Kong Medical Journal*, 2010;29)
14. Awarded **Faculty Teaching Medal 2011**

Postgraduate Teaching in Internal Medicine & Neurology

1. Clinical instructor for MRCP Part II, PACES (1997- 2017)
2. Tutor of Basic Physician Training (topic: Infection of the central nervous system) (2002, 2006-2014)
3. Teacher (lecturing) of Neurology Module of the Postgraduate Diploma in Diagnosis and Therapeutics in Internal Medicine and Update Certificate Course in Neurology (since 2009 -2015)
4. Mentor of junior neurology residents and fellow on research in neurological diseases. One of the poster presentation of such work (presented by Dr. C T Tse) was awarded the **Young Investigator's Award for Best Abstract in Clinical Medicine** at the Medical Research Conference 2010. The full article was published* (***Chan K.H.**, Tsang K.L., Ho W.L., Tse C.T., Kwan S.C., Ho W.M., Chu A.C.Y., Chang R.S.K. and Ho S.L. Clinical outcome of relapsing remitting multiple sclerosis among Hong Kong Chinese. *Clinical Neurology and Neurosurgery* 2011)
5. Teaching local neurologists and neurology trainees on the use of natalizumab in multiple sclerosis at "Multiple Sclerosis Update" February 2012 organized by the Hong Kong Neurological Society; completion of this Certified Course is mandatory before prescription of natalizumab as required by FDA (USA) and CHMP (EU)

Postgraduate Research Student Supervision

1. Principal supervisor of MPhil student: Dr. **ZHOU Lin** (study topic: Alzheimer's disease). The student graduated in 2011 with her thesis on peripheral blood biomarkers of Alzheimer's disease. Her studies have resulted in conference papers presented in 2 international and 2 local meetings, 1 full article published in peer-reviewed international journals (**L Zhou, K H Chan, L W Chu, J S C Kwan, Y Q Song, L H Chen, P W L Ho, O Y Cheng, J W M Ho, K S L Lam. Plasma amyloid- β oligomers level is a biomarker for Alzheimer's disease diagnosis. *Biochemical and Biophysical Research Communications* 2012; 423:697-702).**
2. Principal supervisor of students for Postgraduate Diploma in Diagnosis and Therapeutics in Internal Medicine at the University of Hong Kong, 2009 (Student: **Dr. LEUNG Nim No**, dissertation thesis on pathogenesis of vascular dementia), 2010 (Student: **Dr. YU Sze Kai Frances**, dissertation thesis on etiology and treatment of leg cramps)
3. Principal supervisor of Senior Technical Assistant (**CHENG On Yin**, BSc, University of Ulster) who has researched on Alzheimer's disease (2012-2014).

4. Principal supervisor of one PhD Student and one MPhil student currently.
5. Examiner for MD and PhD oral examinations
 - CHAU, Kin Fan (PhD candidate of Chinese Medicine, The Chinese University of Hong Kong), The effects of sulforaphane on valproic acid on mice model of autism; 6/2017
 - LAM, May Sui San (PhD candidate, Department of Medicine, The University of Hong Kong), Application of Beers 2012 and STOP/START Criteria: Prevalence and Health Impact on Inappropriate Prescribing among Chinese Older Adults in Hong Kong; 3/2017
 - LI, Ting Hung (MD candidate, Department of Diagnostic Radiology, The University of Hong Kong), Advanced magnetic resonance imaging techniques in the diagnosis of Alzheimer's Disease (AD), and evaluation of AD pathogenesis in an aging brain; 12/2016

XI.2 Curriculum Development

At the Faculty Level

1. Member of Special Study Module Subcommittee of LKS Faculty of Medicine, the University of Hong Kong
2. CNS Clinical Skills Coordinator and Department Representative of the MBBS II Central Nervous System Block Planning Group (5-year)/MBBS III Central Nervous System Block Planning Group (6-year) (since 09/2010 - now)
3. Senior Clerkship Blk A Deputy Coordinator of the MBBS IV/V/VI Coordinating Sub-committee (since 09/2010 – 08/2014)
4. Member, Board of Studies of the Master of Medical Sciences, representative of the Department of Medicine (since 02/2011 - now)
5. Integrated Block Coordinator of the MBBS III/IV

At the Departmental Level

1. Member, Board of Examiners, Postgraduate Diploma in Diagnosis and Therapeutics in Internal Medicine (since 2009 to 2016)
2. Chief Coordinator of Teaching Videos on Clinical Skills (since 01/2011 to now)

XII. EXAMINER FOR HIGHER DEGREE & ORGANIZATION OF PROFESSIONAL MEDICAL EXAMINATION

XII.1. Examiner for Higher Degree

I have been the internal examiner for **7 PhD candidates**: two from Department of Anatomy (2009, 2010), one from Department of Microbiology, one from Department of Medicine (2008, 2015), one from Department of Biochemistry (2012) and one from Department of Psychiatry (2012), and the internal examiner for **1 MRes candidate** (from Department of Surgery) since I joined University in 2008.

Internal Examiner for Neurology Exit Examination for the Specialty Board in Neurology, Hong Kong College of Physicians (6/2015).

XII.2 Organization of Professional Medical Examination

1. Appointed Examiner for MBBS First Formative Examination (Objective Structured Clinical Assessment) Clinical examination December 2005
2. Organizer of the MBBS Final Long Case Examination 2008
3. Chief Coordinator for MBBS Final Clinical Examination (Objective Structured Clinical Assessment) 2010 & 2011
4. Chief Coordinator for Licentiate Examination of the Hong Kong Medical Council 2011

XIII. RESEARCH FUNDING

XIII.1 Competitive Research Funding (*Principal Investigator)

1. 2002 *Principal Investigator*, Queen Mary Hospital Charitable Trust Fund for Research: Clinical application of T cell receptor rearrangement excision circle level in autoimmune myasthenia gravis. (**Amount HKD\$ 50,000**)
2. 2005 *Principal Investigator*, Tung Wah Hospital Research Fund: Paraneoplastic peripheral neuropathy. (**HKD\$ 20,000**)
3. 2008 *Principal Investigator*, Bayer Health Care (International) Germany (Global Competitive Grant): The role of Interleukin-17 and Interleukin-23 and magnetic resonance findings during relapse of multiple sclerosis and neuromyelitis optica & study of clinical outcome of multiple sclerosis in Hong Kong Chinese. (**Amount HKD\$ 220,000**)
4. 2008 *Principal Investigator*, Seed Funding for Basic Research: Aquaporin-4 autoimmunity in neuromyelitis optica spectrum disorders among Hong Kong Chinese, and aquaporin-4 expression in thymus and thymoma, (**Amount: HKD \$240,000 including matching fund**)
5. 2009 *Principal Investigator*, Seed Funding for Basic Research: Study of pathophysiological effect of anti-aquaporin-4 autoantibodies in neuromyelitis optica by passive transfer into mice". (**Amount: HKD\$ 60,000**)
6. 2009 *Co-Investigator*, Seed Funding for Basic Research: Quantitative Evaluation of Magnetization Transfer and Diffusion Tensor Imaging at 3T in the Cervical Spinal Cord of Patients with Neuromyelitis Optica. (**Amount: HKD\$ 120,000**)
7. 2009 *Principal Investigator*, Seed Funding for Strategic Research Theme (SRT) on Healthy Aging: Study of Biomarkers for Alzheimer's Disease. HKU. (**Amount: HKD\$ 78,000**)
8. 2010 *Principal Investigator*, Seed Funding for Basic Research: Study of potential neuroprotective role of adiponectin and APPL1 in beta-amyloid neurotoxicity. (**Amount: HKD\$ 33,000**) (Project Code 200911159091)
9. 2010 *Co-Investigator*, Seed Funding for Basic Research: Pathological role of R1441G mutant leucine-rich repeat kinase 2 (LRRK2) in ubiquitin-proteasomal system and mitochondrial autophagy in Parkinson's disease. (**Amount: HKD\$ 43,000**)

10. 2012 *Co-Investigator*, Seed Funding for Basic Research: Cytochrome P450 polymorphisms and clopidogrel resistance in Chinese with ischaemic stroke. (Amount: HKD\$ 240,000 including matching)
11. 2013 *Co-Investigator*, Teaching Development Grant for Neurosciences (Amount: HKD\$ 294,950)
12. 2014 (4/2014-12/2016) *Principal Investigator*, Strategic Research Theme (SRT): Neuroscience Funding Support: Insulin Resistance and Alzheimer's Disease (102009274) (HKD\$ 175,000)
13. 2015 (7/2015-6/2018) *Principal Investigator*, Shenzhen Research and Development Grant (Basic Research), Municipal Science and Technology Innovation Council. Building up Neuroimmunology Laboratory and Database for Studies of Neuroimmunological Diseases (0630031) (Amount: RMB ¥150,000)
External competitive grant
14. 2016 (8/2016-7/2018) *Principal Investigator*, Health and Medical Research Fund (HMRF): Investigation of adiponectin gene therapy in an animal model of Alzheimer's disease (Project No: 03143886) (HKD\$ 1,136,960)
15. 2016 (7/2016-6/2018) *Co-Investigator*, Health and Medical Research Fund (HMRF): Small molecule of Adiponectin receptor agonist, AdipoRon – a potential therapeutic medication of Alzheimer's disease (Project No: 03143856) (HKD\$ 956,608)
16. 2017-2018 *Co-Investigator*, Liu Po Shan/Dr. Vincent Liu Endowment Fund for Motor Neurone Disease: Adiponectin receptor agonist (AdipRon) inhibits microglial reactivation and protects motor neurons survival in ALS (HKD\$ 200,000)
17. 2017 (4/2017-3/2019) *Co-Investigator*, Health and Medical Research Fund (HMRF): Investigating the pathogenic mechanisms underlying ocular and generalized myasthenia gravis using Xenopus cell-based assay (Project No: 04151086) (HKD\$1,199,856)
18. 2018 (8/2018-7/2021) *Co-Investigator*, Health and Medical Research Fund (HMRF): Advanced neuroimaging modalities and clinical correlates in multiple sclerosis and neuromyelitis optica spectrum disorders (Project No: 05160086) (HKD\$1,194,981)
19. 2017 *Principal Investigator*, Seed Fund for Basic Research: Pathogenicity of AQP4-IgG autoantibodies in neuromyelitis optica: role of astrocytic activation in the absence of complement activation. (Amount: HKD 55,400)

20. 2018 *Principal Investigator*, Seed Fund for Basic Research: Myeloperoxidase inhibition ameliorates neuroinflammation in Alzheimer's disease. **HKD 47,590**

XIII.2 Non-Competitive Research Funding

1. 2008 *Principal Investigator*, Private Donaton: Paraneoplastic Neurological Disorders. (Amount: **HKD\$ 180,000**)
2. 2010 *Principal Investigator*, Merck Pharmaceutical Ltd: Study of clinical and immunological characteristics of multiple sclerosis and neuromyelitis optica among Hong Kong Chinese. (Amount: **HKD\$ 200,000**)
3. 2011 *Principal Investigator*, UGC Matching Fund from Stanley Ho Alumni Challenge for Translational Research in Neuroinflammation. (208030036) (Amount: **HKD\$ 683,601**)
4. 2012 *Principal Investigator*, Staff Research Incentive Scheme Award for 2012-2013 RGC GRF project "A mouse model of neuromyelitis optica" (Score **3.5, fundable but not funded**) (**HKD\$ 50,000: Department of Medicine**)
5. 2012 *Principal Investigator*, Staff Research Incentive Scheme Award for 2012-2013 RGC GRF project "A mouse model of neuromyelitis optica" (Score **3.5, fundable but not funded**)(Amount: **HKD\$ 20,000: University Research Committee**)
6. 2014 (1/2014-12/2014) *Principal Investigator*, Novartis Pharmaceutical Ltd: Project: "Magnetic resonance imaging (MRI) of classical multiple sclerosis using conventional magnetic resonance imaging (CMRI) and diffusion kurtosis imaging" (Amount: **HKD\$ 300,000**)
7. 2015 (1/2015-12/2016) *Principal Investigator*, Seed Funding for Collaborative Research Fund. Project: "Adiponectin gene therapy in mouse model of Alzheimer's disease" (102009392) (Amount: **HKD\$ 100,000**)
8. 2016 *Principal Investigator*, RGC General Research Fund (Project Number:17163516) : Role of adiponectin in regulating microglia reactivation and synaptic plasticity in Alzheimer's disease (Score: **3.5, fundable but not funded**) (**HKD\$ 20,000: University Research Committee**)
9. 2016 (1/2017-12/2018) *Principal Investigator*, Novartis Pharmaceutical Ltd: "Longitudinal Magnetic resonance imaging (MRI) of classical multiple sclerosis using diffusion kurtosis imaging" (Amount: **HKD\$ 250,000**)
10. 2017 *Principal Investigator*, Private Donaton: Research in Multiple Sclerosis. (Amount: **HKD\$ 180,000**)

11. 2017-2020 *Principal Investigator*, Chan Kin Shing Charitable Trust Private Donator: Research in Alzheimer's Disease. (**Amount: HKD 1,800,000**)
12. 2017-2019 *Principal Investigator*, Donation: Development of effective treatment for Alzheimer's Disease: the most common cause of dementia. (**Amount: HKD 1,200,000**)
13. 2017 *Principal Investigator*, Private Donation: Research by Dr. K H Chan. (**Amount: HKD\$ 118,000**)
14. 2018) *Principal Investigator*, Boehringer Pharmaceutical Ltd: "Research in Intracerebral Hemorrhage" (**Amount: HKD\$ 240,000**)

Disclosures

Dr. K H Chan has received research funding support from Merck Pharmaceutical Ltd, Novartis Pharmaceutical Ltd, Bayer HealthCare Ltd, honorarium for invited lectures from Biogen Idec and UCB Pharma Ltd, and sponsorship to attend conferences from Novartis Pharmaceutical Ltd, Bayer HealthCare Ltd, UCB Pharma Ltd and Sanofi Genzyme.

XIV. RESEARCH EXPERIENCES

XIV.1 Past Research Experiences

1. 1997-2002: Clinical trial on intravenous thrombolytic therapies for acute ischemic stroke.
2. 2001-2002: Clinical trial on recombinant factor VII therapy for acute intracerebral hemorrhage
3. 2000-2001: Study on paraneoplastic anti-neuronal autoantibodies in association with lung cancer by immunofluorescence, immunoblotting and antibody purification
4. 2000-2007: Study on neurological, electrophysiological and serological aspects of seronegative generalized acquired myasthenia gravis involving radioimmunoprecipitation for acetylcholine receptor autoantibodies, muscle-specific kinase autoantibodies, and ELISA for striated muscle antibodies. Neurological, serological and cellular immunological features of autoimmune myasthenia gravis – paraneoplastic and non-paraneoplastic: focusing on acetylcholine receptor autoantibodies, striated muscle autoantibodies and their immunopathogenetic mechanisms, and seronegative myasthenia gravis.
5. 2001-2002: Study on the clinical application of measuring T cell receptor rearrangement excision circle (TREC) in assessing thymic activities and thymoma status in autoimmune myasthenia gravis, by fluorescent activated cell sorting by flow cytometry and real-time polymerase chain reaction.
6. 2001-2003: Prospective study on the clinical relevance of hydrocephalus on initial CT brain scan in tuberculous meningitis
7. 2001-2005: Prospective study on clinical and radiological aspects of cerebral infarctions complicating tuberculous meningitis
8. 2001-2006: Retrospective study on clinical course and outcome of patients with acute transverse myelitis, focusing on the frequency of developing classical multiple sclerosis and neuromyelitis optica in local Hong Kong Chinese. Clinical and radiological studies of local classical multiple sclerosis patients.
9. 2007-2010: Immunofluorescence studies of local patients with paraneoplastic neurological disorders and demyelinating disorders for anti-neuronal autoantibodies and neuromyelitis optica (NMO) IgG respectively. Study the clinical and electrophysiological features of patients with myasthenia gravis and coexisting NMO involving immunofluorescence study of NMO-IgG.

XIV.2 Current Research

Focus on A) neuroinflammation and neuroimmunology of neurological disorders including central nervous system inflammatory demyelinating disorders, myasthenia gravis and Alzheimer's disease, and B) intracerebral hemorrhage.

- 1. Central nervous system inflammatory demyelinating disorders (CNS IDD):** Clinical, radiological and immunological aspects of CNS IDD including multiple sclerosis, neuromyelitis optica (NMO), and idiopathic recurrent transverse myelitis: focusing on natural history of multiple sclerosis, autoantibodies in neuromyelitis optica (aquaporin-4 [AQP4] autoantibodies) and autoimmune disorders associated with neuromyelitis optica especially myasthenia gravis. We aim to establish an optimal animal model of NMO and are working on both passive transfer of IgG to laboratory animals and active immunization of laboratory animals with AQP4 protein. We are also working on potential efficacious mesenchymal stem cell therapy for multiple sclerosis patients focusing on the immunosuppressive and anti-inflammatory effects of mesenchymal stem cells.
- 2. Autoimmune neurological disorders:** Neurological features, autoimmune pathogenesis, autoantibodies, cytokines and other biomarkers in myasthenia gravis (MG) patients including clinical features and biomarkers for myasthenic crisis. Oncological, neurological and humoral immunity in paraneoplastic neurological disorders such as paraneoplastic encephalomyelitis, paraneoplastic cerebellar ataxia and MG associated with thymoma: focusing on muscle and neuronal autoantibodies.
- 3. Alzheimer's Disease (AD):** focusing on biomarkers for AD such as plasma amyloid-beta monomers and oligomers, relationship between type 2 diabetes mellitus (DM2), neuronal insulin resistance and Alzheimer's disease (AD), and potential neuroprotection of insulin-sensitizing agents in AD involving both *in-vitro* and animals models.
- 4. Intracerebral hemorrhage (ICH) :** ICH is an important cause of stroke, and is more common in Chinese compared to Caucasians. The increasing use of anti-thrombotics including anti-platelet agents and anti-coagulants lead to an increase in number of patients with anti-thrombotic related ICH which is potentially very serious stroke with high risk of mortality. We have been actively researching in this area evidenced by a series of publications in collaboration with cardiologists and donation fund for research in this area.

XV. CLINICAL WORK and ADMINISTRATIVE ACTIVITY

1. Consistently providing quality outpatient and in-patient clinical service in general internal medicine and neurology over the years, both as a neurologist and as a supervising physician in acute medical ward and neurology specialty ward.
2. Honorary consultant for the **Myasthenia Gravis Mutual Help Group** which aims to promote knowledge, well-being and care of myasthenia gravis patients in Hong Kong.
3. Invited speaker in multiple press conferences over the years to educate the public, medical and paramedical professionals on myasthenia gravis and multiple sclerosis organized by the Faculty of Medicine of the University of Hong Kong and the **Hong Kong Neuro-Muscular Disease Association**. A **milestone achievement** is that as a result of such effort, the government agrees to pay for beta-interferon therapy via the Hospital Authority for multiple sclerosis (previously a self-financed item). I am currently a **member of the Specialist Panel** to approve/disapprove application for beta-interferon therapy in local multiple sclerosis patients cared in the Hospital Authority.
4. **Founding Chairman** of the **Hong Kong Multiple Sclerosis Society**. Together with several colleagues serving neurology patients in public hospitals, I have established the **Hong Kong Multiple Sclerosis Society** as its **Founding Chairman**. This association will play a major role in promoting patient care, knowledge and awareness of multiple sclerosis, neuromyelitis optica and related neuroimmunological/neuroinflammatory disorders in Hong Kong.
5. **Co-chairman** of the **Clinical Working Group on Neurosciences** of Hong Kong West Cluster. I am currently working in the Clinical Working Group on Neurosciences as co-chairman to plan for the future clinical service and research of clinical neuroscience in association with the Queen Mary Hospital Redevelopment Project.

XV: Knowledge Transfer

XV.1 Invited Speaker in Press Conferences and Radio Broadcast Programmes

1. ***Radio Broadcast Programme***, Multiple Sclerosis at “Healthier and Smarter”, Radio Television Hong Kong 1st December 2004
2. ***Radio Broadcast Programme***, Myasthenia Gravis at “Healthier and smarter”, Radio Television Hong Kong 3rd February 2005
3. ***Press Conference***: Autoimmune myasthenia gravis at press conference organized by the Faculty of Medicine, the University of Hong Kong, 2005
4. ***Press Conference***: “New Therapy in Multiple Sclerosis”, organized by the Hong Kong Neuromuscular Disease Association, 2005
5. ***Press Conference***: “Three-year data on effect of beta-interferon on disability progression in multiple sclerosis: Benefit Study” organized by the Hong Kong Neuromuscular Disease Association, 2008
6. ***Press Conference***: “Study on Employment of Multiple Sclerosis Patients by Multiple Sclerosis International Federation”, press conference on Multiple Sclerosis Day organized by the Hong Kong Neuromuscular Disease Association, 2010
7. ***Press Conference***: “Disability in Multiple Sclerosis Patients among Hong Kong Chinese” organized by the Hong Kong Neuromuscular Disease Association, June 2011
8. ***Press Conference***: “Cognitive Dysfunction in Multiple Sclerosis Patients among Hong Kong Chinese” organized by the Hong Kong Neuromuscular Disease Association, December 2011
9. ***Press Conference***: “Use of aspirin in Chinese after recovery from primary intracranial haemorrhage” organized by LKS Faculty of Medicine, the University of Hong Kong, February 2012
10. ***Press Conference***: “Establishment of the Hong Kong Multiple Sclerosis Society” organized by the Hong Kong Neuromuscular Disease Association, May 2012
11. ***Press Conference***: “Socioeconomic status of multiple sclerosis patients in Hong Kong” press conference for Multiple Sclerosis Day organized by the Hong Kong Multiple Sclerosis Society, June 2014

12. **Press Conference:** “Employment and working environment of multiple sclerosis patients in Hong Kong” press conference for Multiple Sclerosis Day organized by the Hong Kong Multiple Sclerosis Society, June 2015
13. **International MS Day 2016 Activity:** Article titled “Advanced Scientific Research for Multiple Sclerosis” published in Hong Kong Economic Journal, 23 May 2016
14. **International MS Day 2018 Activity:** Article titled “Multiple Sclerosis” published in Ming Pao Hong Kong, 23 June 2018

XVI: Development of and Specialty Training and Clinical Services

1. Regional programme director of Specialty Board in Neurology (since 6/2013)
2. Co-opted member of Cluster Clinical Service Plan (CSP) Executive Committee – Neurosciences