

## CURRICULUM VITAE

黃家樂 醫師 博士 (Kar-Lok Wong MD, PhD, FICS)

### 學歷：

- 臺灣臺北醫學大學 臨床醫學研究所 醫學博士( PhD )
- 臺灣高雄醫學院 醫學系 醫科( MD )

### 現職：

- 臺灣台中中國醫藥大學醫學院麻醉科、臨床醫學研究所 部定教授
- 臺灣台中中國醫藥大學醫院 麻醉部 資深主治醫師
- 臺灣台中中國醫藥大學醫學院、醫院 教學推動人
- 臺灣台中中國醫藥大學中醫學院 教授
- 臺灣台中中國醫藥大學 實驗動物中心 主任
- 臺灣台中中國醫藥大學 實驗動物管理委員會 主任秘書
- 香港大學李嘉誠醫學院 榮譽副教授(Honorary Associate Professor、2009-2012)
- 臺灣國科會國際性多年期合作研究計畫 總主持人(2007-2012)
- 國際外科學院 院士(FICS)
- 臺灣麻醉醫學會 專科醫師考試委員、教學醫院評鑒委員
- 臺灣心臟麻醉醫學會 常務理事、學術教育委員、專科醫師考試委員、國際學術交流委員
- 臺灣急救加護醫學會 理事、學術委員 學會醫學期刊副主編
- 臺灣麻醉安全保障協會 常務理事、學術主任委員
- 國際外科學院臺灣總會 常務監事

**Name :** Kar-Lok Wong MD, PhD, FICS  
**Citizenship :** Taiwan.  
**Institution /Address:** Department of Anesthesia, China Medical University & Hospital  
 No 2, Yuh-Der Road, Taichung 404, Taiwan.  
**Tel:** +886-4-22052121 ext. 3550 / 3551  
**Language:** Chinese (Mandarin, Cantonese, Taiwanese), English

### Education and Post-graduate Research Experience:

- (1) MD, Kaohsiung Medical University, Taiwan (1982)
- (2) PhD, Graduate Institute of Clinical Medical Sciences, Taipei Medical University, Taiwan (2004)
- (3) Research Fellow, Tokyo Medical University & Hospital, Tokyo, Japan (1987)
- (4) Research Fellow, St. Marianna University & Hospital, Kawasaki, Kanagawa, Japan (1989)

**Board Certification:**

- (1) Board of Anesthesiologist, Taiwan ( Since 1989 )
- (2) Board of Emergency & Critical Care & Medicine t, Taiwan ( Since 1992 )
- (3) Board of Pain Medicine, Taiwan ( Since 1995 )
- (4) Board of Cardiovascular Anesthesiologists, Taiwan ( Since 1999 )
- (5) Certification of Fiberoptic Endoscopy and Laser Applications ( Tokyo Medical University Hospital, Japan, 1987 )
- (6) Certification of Acupuncture ( Ministry of Health, Taiwan 1990)

(7) Board of Critical Care Medicine in Anesthesia, Taiwan ( Since 2008 )

**Professional Affiliations :**(1). Member of the Society of Anesthesiologists, Taiwan  
 (2) Member of the Society Emergency & Critical care of Medicine, Taiwan  
 (3) Member of the Society of Pain Medicine, Taiwan  
 (4) Member of the Society of Cardiovascular Anesthesiologist, Taiwan  
 (5) Member of the Society of Pharmacology, Taiwan  
 (6) Member of the International Association for the Study of Pain  
 (7).Member of Western Pacific Association of Critical Care Medicine  
 (8) Member of the European Society of Anesthesiologists  
 (9) Fellow of the International College of Surgeons (FICS, Since 1994)

**Professional Activities:**

- (1) Principle Investigator, International Collaboration Project, National Sciences Council, Taiwan ( Since 2007-2012)
- (2) Executive Councilor, The Society of Anesthesiologists, Taiwan. ( Since 1996-till)
- (3) Executive Councilor, The Society of Cardiovascular Anesthesiologists, Taiwan. (Since 1999-till)
- (4) Executive Councilor, The Society of Emergency & Critical care Medicine, Taiwan (Since 2006-till)
- (5) Supervisor, International College of Surgeons, Taiwan Chapter (2007-till)
- (6) Supervisor, The Society of Cardiovascular Anesthesiologists, Taiwan. (2003-2006 )
- (7) Supervisor, The Society of Anesthesiologists, Taiwan. (1996-1998)
- (8) Chairman, Committee for communication and data collection, Taiwan Society of Anesthesiologists, (2002~2004)
- (9) Examiner, Examination board for Anesthesiologist, Taiwan (since 2000)
- (10) Examiner, Examination board for Cardiovascular Anesthesiologists, Taiwan (since 2003)
- (11) Academic Commissioner, The Society of Anesthesiologists, Taiwan. ( Since 2000-till)
- (12) Academic Commissioner, The Society of Cardiovascular Anesthesiologists, Taiwan. ( Since 2003-till)
- (13) Academic Commissioner, The Society of Emergency & Critical care Medicine, Taiwan. ( Since 2006-till)
- (14) Commissioner, Committee for Anesthesiologist training, Ministry of Health, Taiwan. ( Since 1996-till)
- (15) Commissioner, Committee for Anesthesia Quality and Safety Assurance, Taiwan Society of Anesthesia ( Since1998- )
- (16) Instructor of the Specialist Training Program (The Society of Emergency & Critical care Medicine, (Since 1995)

**Professional Experience**

- 2010 ~ till      Professor, Department of Anesthesiology &  
 Institute of Clinical Medical Science  
 Director, Laboratory Animal Centre  
 China Medical University, Taichung, Taiwan
- Senior Consultant Anesthesiologist, Department of Anesthesia  
 Research Group of Cardiovascular Biology  
 China Medical University & Hospital, Taichung, Taiwan
- 2009 ~ till      Honorary Associate Professor,  
 Li Ka Shing Faculty of Medicine  
 University of Hong Kong, Hong Kong
- 2007 ~2010      Associate Professor, Medical School, Department of Anesthesiology &  
 Institute of Clinical Medical Science  
 Associate Professor, School of Chinese Medicine  
 Director, Laboratory Animal Centre  
 China Medical University, Taichung, Taiwan

- Senior consultant Anesthesiologist, Department of Anesthesia  
Research Group of Cardiovascular Biology  
Emergency & Critical Care Centre Research Team  
China Medical University & Hospital, Taichung, Taiwan
- 2003 ~ 2006 Assistant Professor, Department of Anesthesiology & Institute of Medical Science  
China Medical University, Taichung, Taiwan  
Senior consultant Anesthesiologist & Clinical Associate Professor  
Department of Anesthesia, China Medical University Hospital, Taichung, Taiwan
- 1995 ~ 2003 Senior consultant Anesthesiologist  
Department of Anesthesia,  
Mackay Memorial Hospital, Taipei, Taiwan  
Clinical Associate Professor(Adjuvant)  
China Medical University, Taichung, Taiwan
- 1993 ~ 1995 Senior Consultant Anesthesiologist  
Department of Anesthesia, Mackay Memorial Hospital, Taipei, Taiwan  
Lecturer & Senior Consultant Anesthesiologist  
Taipei Medical University & Hospital, Taipei, Taiwan
- 1986 ~ 1993 Consultant Anesthesiologist, Department of Anesthesia, Mackay Memorial Hospital,  
Taipei, Taiwan  
Lecturer & Consultant Anesthesiologist  
Taipei Medical University & Hospital, Taipei, Taiwan
- 1983 ~ 1986 Resident & Chief Resident, Department of Anesthesia, Chang Gung Memorial Hospital,  
Taipei, Taiwan
- 1982 ~ 1983 Resident, Department of Anesthesia, Taipei Veterans General Hospital, Taipei, Taiwan

**Honor / Award:**

1. Distinguished Publication Award 2011, International College of Surgeons, Taiwan Section
2. Distinguished Poster Award 2010, Congress of The Society of Critical Care Medicine, Taiwan
3. Best Poster Award, The 23<sup>rd</sup> Scientific Meeting and Annual Congress of The Society of  
Emergency and Critical Care Medicine, 2010
4. Best Basic Research Award, The 23<sup>rd</sup> Scientific Meeting and Annual Congress of The Society of  
Emergency and Critical Care Medicine, 2010
5. Best Clinical Research Award, The 54<sup>th</sup> Scientific Meeting and Annual Congress of Taiwan  
Society of Anesthesiologists, 2010
6. Best Basic Research Award: The 54<sup>th</sup> Scientific Meeting and Annual Congress of Taiwan Society  
of Anesthesiologists, 2010
7. Outstanding thesis Award 2010, International College of Surgeons, Taiwan Section
8. Distinguished Paper Award 2009, Congress of The Society of Critical Care Medicine, Taiwan
9. Distinguished Poster Award (Basic Research) 2009, Annual Congress of The Society of  
Anesthesiologists, Taiwan
10. Distinguished Poster Award (Clinical Case Report) 2009, Annual Congress of The Society of  
Anesthesiologists, Taiwan
11. Honorary Associate Professor, Li Ka Shing Faculty of Medicine, University of Hong Kong, Hong  
Kong
12. Excellent thesis Award 2008, International College of Surgeons, Taiwan Section
13. Grants from National Science Council 2007-2010, Taiwan-3 years project  
(96-2320-B-039-009-MY3)
14. Distinguished Publication Award 2007-2008, International College of Surgeons, Taiwan Section
15. Grants from National Science Council 2006, Taiwan (96-2320-B-039-038)
16. Grants from National Science Council 2006, Taiwan (96-2320-B-039-009)
17. Best Teaching Staff 2006-2007, China Medical University Hospital, Taiwan
18. Distinguished Paper Award 2006, Asian Pacific Congress of Critical Care Medicine

19. Distinguished Paper Award 2006, Annual Congress of The Society of Anesthesiologists, Taiwan
20. Distinguished Publication Award 2006, Urbani Foundation-Infection Control Research
21. Grants from National Science Council 2005, Taiwan (94-2320-B-039-009)
22. Distinguished Paper Award 2005, Annual Congress of The Society of Anesthesiologists, Taiwan,
23. Distinguished Paper Award 2004, 12<sup>nd</sup> Congress of Emergency & Critical Care Medicine, Taiwan
24. Distinguished Paper Award 2004, Congress of The Society of Critical Care Medicine, Taiwan
25. Distinguished Paper Award 2003, 11<sup>st</sup> Congress of Emergency & Critical Care Medicine, Taiwan
26. Distinguished Publication Award 2003, Chi-Mei Foundation & Chi-Mei Hospital, Taiwan
27. Distinguished Paper Award 2002, 10<sup>th</sup> Congress of Emergency & Critical Care Medicine, Taiwan
28. Best Paper Award 2002, Annual Congress of The Society of Anesthesiologists, Taiwan
29. Distinguished Paper Award 2001, 9<sup>th</sup> Congress of Emergency & Critical Care Medicine, Taiwan
30. Distinguished Research(Paper) Award 2001, Taipei Medical University & Hospital, Taiwan
31. Distinguished Award(2000) of The American Science Technology and Engineering, USA
32. Distinguished Publication Award 1986, The Society of Anesthesiologists, Taiwan

#### **International Profile :**

1. Invited Speaker, Moderator, Sept30-Oct 2, 2011, The 9th Meeting of the Asian Society of Cardiothoracic Anesthesia (2011 ASCA), Taipei, Taiwan
2. Invited Speaker, Apr 2011, 2<sup>nd</sup> Symposium on Enzymes & Biocatalysis-2011, Dalian, China
3. Invited Speaker, Sept 2010, Annual Congress of The Society of Anesthesiologists of China, Shanghai, China
4. Invited Speaker, Moderator, Cross-Straits Anesthetic Safety Academic Conference, Taisan, Sandong, China, 20-Sept, 2010
5. Invited Speaker, Moderator, The Symposium of Anesthetic Safety, Tianjin, China, 23-Sept, 2010
6. Congress Chief Secretary, Invited Speaker. The 53<sup>rd</sup> Scientific Meeting and Annual Congress of Taiwan Society of Anesthesiologists, Sept 27-28, 2009.
7. Invited Speaker, Moderator. Academic Annual Meeting of Chinese Society of Anesthesiology, Shanghai, China, Sept 6-9, 2009.
8. 17<sup>th</sup> Annual Meeting of the European Society of Anaesthesiologists. Milan, Italy. June 6-9, 2009.
9. Invited Speaker, Moderator. The 5<sup>th</sup> International Chinese Cardiovascular Anesthesia forum, Hong Kong, May 2-3, 2009.
10. Invited Speaker. the 17<sup>th</sup> Asian Congress of Surgery and 68<sup>th</sup> Annual meeting of Taiwan Surgical Association, Taipei, Taiwan, Mar 20-22, 2009
11. International Vascular Biology Symposium, China Medical University, Taichung, Taiwan. Mar, 2007.
12. Invited Speaker, The 7<sup>th</sup> National Congress of Advances in Anesthesiology and Resuscitation, Guangzhou, China, Mar 27-30, 2009.
13. The 2<sup>nd</sup> Scientific Meeting and Annual Congress of the Chinese Society of Pain, Naning, China, Nov 14-17, 2008.
14. Chairman, Scientific Committees. The 53<sup>rd</sup> Scientific Meeting and Annual Congress of Taiwan Society of Anesthesiologists, Sept 27-28, 2008.
15. Invited Speaker, Moderator. Annual Meeting of the Chinese Society of Anesthesiologists, Xian, Shaanxi, China, Sept 11-14, 2008.
16. Invited Speaker, Moderator. The 4<sup>th</sup> International Chinese Cardiovascular Anesthesia forum, Hanchou, China, May 16-19, 2008.
17. Clinical Trials Symposium, Toronto, Ontario, Canada. Toronto, Canada. May 29-31, 2008.
18. American transplant congress 2008. Toronto, Canada. May 31-June 4, 2008.
19. Invited Speaker. International Symposium on Vascular Biology, 2008, China Medical University, Taichung, Taiwan. Mar 15-16, 2008.
20. International conference on patient safety. Kaohsiung, Taiwan. 2008.
21. Invited Speaker, Overseas Commissioner. The 1<sup>st</sup> Scientific Meeting and Annual Congress of the Chinese Society of Pain, Beijing, China, Nov 16-19, 2007.
22. Invited Speaker, Moderator. Annual Meeting of the Chinese Society of Anesthesiologists, Changsha, Wunan, China, Sept 29-30, 2007.
23. Annual Meeting of the European Society of Anaesthesiologists. Munich, Germany. June 9-12, 2007.

24. Invited Speaker, Moderator. The 3<sup>rd</sup> International Chinese Cardiovascular Anesthesia forum, Singapore, May 5-6, 2007.
25. President. The Scientific Meeting and Annual Congress of Taiwan Society of Cardiovascular Anesthesiologists, Mar 25, 2007.
26. International Vascular Biology Symposium, China Medical University, Taichung, Taiwan. Mar, 2007.
27. The 3<sup>rd</sup> Asia-Pacific Association of Medicine Congress-Heart Failure, Taipei, Taiwan, Oct 27-30, 2006.
28. Invited Speaker, Moderator. Annual Meeting of the Chinese Society of Anesthesiologists, Zhengzhou, Henan, China, Sept 8-13, 2006.
29. The 14<sup>th</sup> Asia-Pacific Association of Critical Care Medicine Congress (Apaccm2006), Beijing, China, Aug 26-29, 2006.
30. Invited Speaker, Moderator. International Chinese Annual Congress of Cardiovascular Anesthesia. Taipei, Taiwan, May 7-8, 2006.
31. Annual Meeting of the European Society of Anaesthesiologists. Madrid, Spain, June 8-13, 2006.
32. Moderator; Invited Speaker. International Chinese Annual Congress of Cardiovascular Anesthesia. Beijing, China, Aug 19-20, 2005.
33. Invited Speaker. Annual Meeting of the Chinese Society of Anesthesiologists, Guangzhou, China, Sept, 2005.
34. The 79<sup>th</sup> Clinical and Scientific Congress of The international Anesthesia Research Society, Honolulu, Hawaii, USA, Mar, 2005.
35. Chairman, Scientific Committees, Moderator, Invited Speaker. The Scientific Meeting and Annual Congress of Taiwan Society of Cardiovascular Anesthesiologists 2005.
36. Invited Speaker. Annual Meeting of the Chinese Society of Anesthesiologists 2004, Beijing, China.
37. The Scientific Meeting and Annual Congress of the Asian Society of Emergency and Critical Care Medicine, Seoul Korea 2004.
38. Invited Speaker, Moderator. The 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France. Apr, 2004.
39. The Second international Conference on Engineering in Chinese Traditional Medicine, Chang-Du, China. (Nov, 2001).
40. The Annual Congress of the International Association for the Study of Pain. Vancouver, BC, Canada, July, 2000.
41. America Society of Anesthesia Annual Meeting, Las Vegas, Oct, 1998
42. The Annual Congress of the International Association for the Study of Pain. Toronto, Ontario, Canada, July, 1996.
43. The Annual Congress of European Society of Anaesthesiologists, Brussels, Belgium 1994.
44. America Society of Anesthesia Annual Meeting, San Francisco, Oct, 1991
45. The 6<sup>th</sup> World Congress for Bronchology. 18~22 October 1989 Tokyo, Kyoto, Japan.

#### Research Interest:

1. Cardiac Anesthesiology & Pharmacology
2. Critical Care Medicine
3. Cardiovascular Biology (Mechanism and regulation of gene expression and signal transduction )

#### Research Project:

1. The antioxidative effect of propofol on angiotensin II-induced apoptosis and endothelin-1 gene expression in neonatal rat cardiomyocytes-in vitro and in vivo. (2010-2012)--**International Collaboration (2 years) Project**  
**Position** : PI. Supported by Taiwan National Science Council : NSC-91-2314-B-039-009-MY2
2. The role of nitric oxide involvement in the anti-proliferative effect of propofol  
**Position** : (Principal investigator, PI) Supported by China Medical University Research Fund: DMR-99-097 (2010-2011)
3. The influence of nitric oxide involvement in the anti-oxidative effect of propofol  
**Position** : (Principal investigator, PI) Supported by China Medical University Research Fund: DMR-98-080 (2009-2010)
4. The antioxidative effect of propofol on endothelin-1 gene expression in endothelial cells-in vitro

- and in vivo. (2007-2010)-**International Collaboration (3 years) Project**  
**Position : PI.** Supported by Taiwan National Science Council : **NSC-91-2314-B-039-019-MY3**
5. Modulation of steroidogenesis by *Cordyceps sinensis* mycelium extracted fractions with human chorionic gonadotropin treatment in mouse Leydig cells. (2007-2008)  
**Position : PI.** Supported by China Medical University Research Fund: DMR-97-101
  6. Effects of propofol on cyclic strain-induced endothelin-1 gene expression in endothelial cells(2007-2008)  
**Position : PI.** Supported by China Medical University Research Fund: DMR-96-112
  7. The anti-proliferative effect of isosteviol on angiotensin-II induced smooth muscle cells(2006-2007)  
**Position : PI.** Supported by Taiwan National Science Council: **NSC-95-2320-B-039 –038**
  8. The effect of puerarin on endothelin-1 gene expression in endothelial cells. (2006-2007)  
**Position : Co-PI.** Supported by Taiwan National Science Council: **NSC-95-2320-B-039 –039**
  9. The Effect of isosteviol on endothelin-1-induced cardiomyocyte hypertrophy **Position : PI.**  
 Supported by Taiwan National Science Council: **NSC-94-2320-B-039 –039**
  10. The anti-proliferative effect of isosteviol on angiotensin II induced hypertensive damage of the aortic smooth muscle cells. (2005-2006)  
**Position : PI.** Supported by China Medical University Research Fund : DMR-95-056
  11. Anti-oxidative potential of isosteviol in the inhibition of NADPH oxidase activity and intracellular ROS level in ET-1 induced cardiac hypertrophy. (2004-2005)  
**Position : PI.** Supported by China Medical University Research Fund
  12. Immunomodulation effects of pentoxifylline on cytokine levels, concentrations and inflammatory parameters in cardiopulmonary bypass surgical patients. (2004-2006)  
**Position : PI.** Supported by China Medical University Research Fund
  13. The effect of isosteviol on potassium channels in smooth muscle cells. (2003-2004)  
**Position : PI.** Supported by China Medical University Research Fund
  14. Anti-tumor effect of *Bupleurum kaoi* in gastric carcinoma. China medical University Grant. (2003-2005)  
**Position : PI.** Supported by China Medical University Research Fund
  15. The inhibitory effects of various concentration of tetramethylpyrazine on lipid peroxidation in hepatoma. (2003-2005)  
**Position : PI.** Supported by China Medical University Research Fund
  16. Antioxidant effect of tetramethylpyrazine on thioacetamide-induced liver cirrhosis. (2001-2002)  
**Position : Co-PI.** Supported by Chi-Mei Foundation-Chi-Mei Hospital Research Fund (CMFMH Research Grant #C0362.)
  17. Effect of panax Notoginseng on ethanol-induced hepato-toxicity-an in vivo & in vitro study. (2001-2003)  
**Position : PI.** Supported by Mackey Memorial Hospital Research Fund ( M M H Research Grant #9005.)
  18. Use of Condom as Blade Covers During Laryngoscopy, A Method To Reduce Possible Cross Infection Among Patients. (2001-2003)  
**Position : Co-PI.** Supported by Chi-Mei Foundation-Chi-Mei Hospital Research Fund
  19. Protection by hot water extract of panax notoginseng on chronic ethanol-induced hepatotoxicity(2001-2003)  
**Position : PI.** Supported by China Medical University Research Fund
  20. Antioxidative Effect of *Ganoderma Lucindum* in Acute Ethanol-Induced Heart Toxicity( 2001-2003)  
**Position : PI.** Supported by Mackey Memorial Hospital Research Fund ( M M H Research Grant #8924.)
  21. Evaluation of propolis ethanol extract on free radical extraction in nicotin-induced toxicity. (2001-2003)  
**Position : PI.** Supported by Mackey Memorial Hospital Research Fund ( M M H Research Grant #8924)
  22. Tetramethylpyrazine protects mice against thioacetamide-induced acute hepato-toxicity. An in vivo & in vitro study. ( 2001-2002)  
**Position : PI.** Supported by Mackey Memorial Hospital Research Fund ( M M H Research Grant #9005.)
  23. The mechanism of vasorelaxation effect of isosteviol. ( 2001-2003)  
**Position : PI.** Supported by Mackey Memorial Hospital Research Fund ( M M H Research Grant

#9029).

**Research Grant reviewer (研究計劃審閱)**

National Science Council, Taiwan (國家科學委員會)

Yen Tjing Ling Medical Memorial Foundation, Taiwan (嚴慶齡醫學基金會)

**Journal reviewer (科學期刊審閱)**

British Journal of Anaesthesia (SCI) (JCR-Impact Factor 4.224)

Journal of Clinical Anesthesia (SCI)

Minerva Anesthesiologica (SCI)

Journal of Molecular and Cellular Cardiology (JCR-Impact Factor 5.054)

American Journal of Respiratory and Critical Care Medicine (JCR-Impact Factor 10.689)

International Medical Case Reports Journal (SCI)

Journal of Experimental Pharmacology (SCI)

Journal of Inflammation Research (SCI)

Open Access Emergency Medicine (SCI)

Organic Chemistry International (SCI)

Acta Anaesthesiologica Taiwanica (MI)

The Chinese Journal of Pain (MI)

Journal of Emergency & Critical care of Medicine (MI; Deputy Editor)

**Publication and Presentation :**

55 publications and 205 abstracts and presentations at professional conferences

(Publications : \* The author's name searched in Medline and PubMed is "Wong kl")

**Highlight publications in recent years:**

1. Cellular and Molecular Life Sciences 67(Jan):147-156, 2010. (SCI) (Impact Factor 7. 047)
2. Journal of Cellular Biochemistry 110(1):141-150,2010.(SCI) (Impact Factor 4. 540)
3. Anesthesiology 112(Jan) : 108-118, 2010.(SCI) (Impact Factor 5. 486)  
(Ranking no.1 in JCR-Anesthesiology)
4. Biochemical Pharmacology 80(Oct):1201-9 2010 (SCI) (Impact Factor 4. 889)
5. Journal of Nutritional Biochemistry. 21(7): 580-588, 2010 (SCI) (Impact Factor 4. 538)
6. Anesthesiology 110(Jan) : 74-80, 2009 (SCI) (Impact Factor 5. 486)  
(Ranking no.1 in JCR-Anesthesiology)
7. Journal of Cellular Physiology 220(1) Jul : 163-173, 2009. (SCI) (Impact Factor 3. 986)

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