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2022- 衛生福利部草屯療養院 心腦研究中心 主任

2006- 國立陽明交通大學腦科學研究所 特聘教授

經歷：

2020-2022 衛生福利部桃園療養院 臨床研究中心 主任

2019-2020 國立陽明大學 數位醫學中心 主任

2019-2020 國立陽明大學 醫學院 策略副院長

2017-2019 三軍總醫院北投分院 臨床研究諮詢顧問

2018-2019 臺北醫學大學 醫學科技學院 副院長

2017-2019 臺北醫學大學 醫學資訊研究所 所長

2016-2018 中國醫藥大學附設醫院 醫學研究部 顧問

2016-2017 智慧電子研發成果橋接計畫 顧問

2015-2017 國立中央大學 生醫科學與工程學系 合聘教授

2016-2017 國立陽明大學 教師會 理事長

2015-2017 國立陽明大學 腦科學研究所 所長

2015-2017 國立陽明大學 神經科學研究所 所長

2015-2016 國立中央大學 生醫講座教授

2015-2016 國立陽明大學 教務處 副教務長

2012-2015 智慧電子國家型科技計畫 醫療電子分項 召集人

2014-2015 國立中央大學 生醫理工學院 副院長

2014-2015 國立中央大學 跨領域轉譯醫學研究所 所長

2014-2015 國立中央大學 生醫科學與工程學系 籌備主任

2010-2015 行政院衛生署 遠距健康照護服務發展計畫專案 主任

2011-2013 臺北市立聯合醫院 教學研究部研究發展組 主任

2006-2012 國立陽明大學 腦科學研究所 所長

2007-2010 國立陽明大學 研發處 研發長

2007-2008 國立陽明大學 腦科學研究中心 主任

2006-2008 臺灣聯合大學系統 腦科學中心 主任

2006-2007 國立陽明大學 育成中心 主任

2001-2006 慈濟大學 神經科學研究所 所長

2000-2006 慈濟大學 神經科學研究所 教授

1999-2001 慈濟醫院 神經內科 住院醫師

1999-2000 慈濟醫學暨人文社會學院 神經科學研究所 副教授

1996-1999 國立陽明大學 課外活動輔導組 主任

1996-1999 國立陽明大學 醫學系藥理學科 副教授

學歷：

1993 - 1996: 陽明大學 藥理學研究所 博士

1986 - 1993: 陽明大學 醫學系 醫學士

獎項與榮譽：

2008-2019 陽明大學 教師卓越獎

2004 國際青年商會中華民國總會 中華民國十大傑出青年
2001 中國青年救國團 全國社會優秀青年代表
2000 ACM 臺北/臺灣分會與中華民國資訊學會 李國鼎青年研究獎
1999 中華民國基礎神經科學學會 王世濬院士青年研究獎

應邀演講：

1. 郭博昭：行動裝置與穿戴式裝置應用。【新北市產業 AI 轉型平台-企業人才培訓課程】。2019，臺北，臺灣。(2019.01.25)
2. 郭博昭：AI 相關主題。臺中榮總精神科。2019，臺中，臺灣。(2019.02.14)
3. 郭博昭：物聯網與人工智慧改變慢性病診療模式。國立陽明大學生技醫療經營管理碩士在職學位學程智慧醫療課程。2019，臺北，臺灣。(2019.03.17)
4. 郭博昭：物聯網與人工智慧改變慢性病診療模式。臺北榮總藥學部「藥師千人繼續教育」專家講座。2019，臺北，臺灣。(2019.03.24)
5. 郭博昭：ADHD 數位監測系統。嘉義長庚醫院-泰國精神衛生司參訪團。2019。嘉義，臺灣。(2019.04.29)
6. 郭博昭：陽明大學產學營運中心【Digital Medicine 高峰論壇暨媒合會- Panel Discussion1：數位醫學生態系的創新變革】(與談人)。2019。臺北，臺灣。(2019.05.14)
7. 郭博昭：心率變異性的原理與應用。天主教永和耕莘醫院【醫師在職進修繼續教育課程演講】。2019。臺北，臺灣。(2019.05.26)
8. 郭博昭：從無到有創作一個醫療物聯網。科學人雜誌【科創講堂 Tech-Talk FORUM 2019 主題講堂 I— 醫療先鋒:醫療科技應用與服務】。2019。臺北，臺灣。(2019.06.29)
9. 郭博昭：如何將人工智慧與物聯網技術導入醫療照護。臺北市立關渡醫院研習會【智能醫療，智慧照護 -- 打造智能友善醫院】。2019。臺北，臺灣。(2019.07.06)
10. 郭博昭：大健康產業之工業革命。草屯療養院全院教育訓練。2019。南投，臺灣。(2019.07.18)
11. 郭博昭：社會創新平台—幸福密碼廣播節目[遠距醫療不遠距]單元嘉賓。2019。臺北，臺灣。(2019.08.23)
12. 郭博昭：如何將人工智慧與物聯網技術導入醫療照護。國家衛生研究院群體健康科學研究所。2019。臺北，臺灣。(2019.09.05)
13. 郭博昭：人工智慧照護應用 (AI application in Patient Care)。台北醫學大學護理學院「國際論壇：大數據與人工智慧在健康照護之應用」。2019。臺北，臺灣。(2019.09.17)
14. 郭博昭：如何將人工智慧與物聯網技術導入醫療照護。臺北榮總心臟內科。2019。臺北，臺灣。(2019.09.24)
15. 郭博昭：如何將人工智慧與物聯網技術導入醫療照護。羅氏大藥廠【智慧醫療創新思維工作坊】。2019。臺北，臺灣。(2019.09.27)
16. 郭博昭：物聯網與人工智慧於照護之應用。交大資訊學院數據科學所 Seminar。2019。新竹，臺灣。(2019.10.09)
17. 郭博昭：自律神經檢查以 HRV 技術的目前趨勢與臨床應用。台中診所協會。2019。臺中，臺灣。(2019.10.23)
18. 郭博昭：物聯網與人工智慧於照護之應用。臺北榮民總醫院 60 周年院慶【復健醫學部學術研討會】。2019。臺北，臺灣。(2019.11.17)
19. 郭博昭：如何將人工智慧與物聯網技術導入醫療照護。羅氏大藥廠【智慧醫療創新思維工作坊】。2019。臺中，臺灣。(2019.11.22)
20. 郭博昭：健康產業數字化管理 Digital Management of Healthcare Industry (DMHI)。香港大學 SPACE 中國商業學院 Institute of China Business (ICB), HKU SPACE【醫療管理研究生文憑課程 Postgraduate Diploma in Healthcare Management (深圳)】。2018，深圳，中國。(2019.11.24-25)
21. 郭博昭：物聯網與人工智慧於照護之應用。台中長安醫院。2020。臺中，臺灣。(2020.01.02)
22. 郭博昭：物聯網 IOT 的臨床案例分享。高雄市立醫院醫事聯合學術研討會【資訊科技引爆醫療新創的火花】。2020。高雄，臺灣。(2020.01.04)
23. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。交通大學統計學研究所。2020。新竹，臺灣。(2020.05.08)

24. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。財團法人自強工業科學基金會科技教育處/科技部新竹科學園區管理局「109 年度新竹科學園區生醫技術人才培訓計畫」【科管局園慶講座】。2020。新竹，臺灣。(2020.11.18)
25. 郭博昭：智慧居家生理監測系統的開發與應用。衛生福利部桃園療養院/桃園醫院「衛生福利部 109 年度第九屆全人醫療暨整合服務研討會」。2020。桃園，臺灣。(2020.11.20)
26. 郭博昭：Music and health。繆斯客國際有限公司企業合作課程【中國信託愛樂社系列】。2020。臺北，臺灣。(2020.12.02)
27. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。交通大學生物資訊及系統生物研究所「科技部新竹科學園區人才培育計畫」【智慧醫療現況導論】。2020。新竹，臺灣。(2020.12.04)
28. 郭博昭：現實可以妥協，理想不能忘記。城市科技大學【健康生命的規劃】。2020。臺北，臺灣。(2020.12.14)
29. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。台灣神經學學會【第 22 屆第一次神經學學會年度大會(2020 Annual Meeting of Taiwan Neurological Society ; 2020 AMTNS)】。2020。高雄，臺灣。(2020.12.20)
30. 郭博昭：智慧居家生理監測系統的開發與應用。元培醫事科技大學【健康管理學術研討會】。2020。新竹，臺灣。(2020.11.20)
31. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。衛生福利部八里療養院。2021。新北。台灣 <https://www.peopo.org/news/521361>
32. 郭博昭：人工智慧物聯網 AIoT 的臨床案例分享。財團法人自強工業科學基金會科技教育處/科技部新竹科學園區管理局「110 年度新竹科學園區生醫技術人才培訓計畫」【科管局園慶講座】。2021。新竹，臺灣。(2021.10.15)
33. 郭博昭：從智慧防疫旅館到智慧居家照護。元培醫事科技大學。健康管理學術研討會-後疫情時期的健康與福祉-Health and well-being post COVID-19。2021。新竹，臺灣。(2021.11.05)

專利：

1. 郭博昭、楊靜修、麗臺股份有限公司「陰陽虛實之偵測方法及其裝置」中華民國發明專利#198840 (2004-2023).
2. 郭博昭、楊靜修「心率變異性分析方法及裝置」中華民國發明專利# I225394 (2004-2023).
3. 郭博昭、楊靜修、享翔顧問有限公司「貼片式無線微生理訊號收集裝置」中華民國發明專利# I311909 (2009-2026).
4. 郭博昭、楊靜修「微型無線心電訊號收集裝置」中華民國發明專利# I313593 (2009-2025).
5. 郭博昭、楊靜修「太陽眼鏡型瞌睡防止器」中華民國發明專利# I321227 (2010-2027).
6. 郭博昭、楊靜修「行為模式分析方法」中華民國發明專利# I437458 (2014-2030).

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期刊著作：

2025

1. Hsu, C.C., Chen, T.Y., Li, J.Y., **Kuo, T.B.J.***, Yang, C.C.H.* (2025) Differential Analysis of Heart Rate Variability in Repeated Continuous Performance Tests Among Healthy Young Men. **Psychiatry Investig.** Feb;22(2):148-155.
2. Lin, C.W., Lee, J.T., Chu, Y.C., Chen, C.W., Wu, C.H., She, S.C., **Kuo, T.B.J.**, Huang, S.S., Yang, C.C.H.* (2025) Effects of improving intermittent hypoxia on poststroke Recovery: Role of cardiovascular status and sleep patterns in animal models. **Sleep Med.** Jul 10;134:106676.
3. Hsu, C.C., Chen, T.Y., Ou, H., **Kuo, T.B.J.***, Yang, C.C.H.* (2025) Interactions Between Depression, Autonomic Dysfunction, Inhibitory Control and Reaction Time: Insights From Heart Rate Variability During Continuous Performance Test. **Psychiatry Investig.** Aug 5.

2024

4. Wang, Y. P., **Kuo, T. B. J.**, Wang, G. Z., Yang, C. C. H. * (2024) Different effects of inspiratory duration and expiratory duration on heart rate deceleration capacity and heart rate asymmetry. **European Journal of Applied Physiology.** 124, 2101–2110 In press.
5. Shih, H. W., Chen, Y. L., Lin, H. C., **Kuo, T. B. J.** and Yang, C. C. H., Chiu, F. H., Chang, Y., Jacobowitz, O., Lin, C. M. and Hsu, Y. S.* (2024) Potential treatments for epiglottic collapse in obstructive sleep apnea: how modified drug-induced sleep endoscopy help? **Otolaryngology-Head**

and Neck Surgery. 170:952-961.

6. Lin, W. L., Hsiao, Y. W., Liu, S. H., Cheng, W. H., Tsai, T. Y., Chou, Y. H., Yang, C. C. H., **Kuo, T. B. J.**, Chen, S. A., Lo, L. W.* (2024) Effects of low-density lipoprotein cholesterol on sleep apnea: Insights from a rat model of cardiovascular autonomic dysregulation. **Sleep Medicine.** 115:76-82.
7. Chen, C.-W.,† Chen, H.-C.,† She, S.-C., Lai, C.-T., Chen, W.-J., **Kuo, T. B. J.**, Yang, C. C. H.* (2024) Levilactobacillus brevis SG031 modulates mood-related behaviors and attenuates stress-related sleep disturbance and autonomic dysfunction via gut microbiota modulation in Wistar–Kyoto rats. **Life Sciences.** Aug 15:351:122804.
8. Hsu, Y. S., Ke, Y. K., **Kuo, T. B. J.**, Chang, Y., Jacobowitz O, Lin, C. M., Lo, S. C. , Yang, C. C. H.* (2024) Expiratory velopharyngeal obstruction: sleep endoscopy-guided treatment strategies to prevent oral Breathing during sleep. **Otolaryngol Head Neck Surg.** Nov;171(5):1591-1600.
9. Lin, S.Y., Chang, C.L., Liou, K.T., Kao, Y.K., Wang, Y.H., Chang, C.C., Kuo, T.B.J., Huang, H.T., **Yang, C.C.H.**, Liaw, C.C., Shen, Y.C. (2024) The protective role of Achyranthes aspera extract against cisplatin-induced nephrotoxicity by alleviating oxidative stress, inflammation, and PANoptosis. **J Ethnopharmacol.** Jan 30;319(Pt 1):117097. IF:5.4
10. Chuang, H.H., Lee, L.A., Chuang, L.P., Li, H.Y., Huang, Y.S., Chou, S.H., Lee, G.S., Kuo, T.B.J., **Yang, C.C.H.**, Huang, C.G. (2024) Alterations of Gut Microbiome Composition and Function Pre- and Post-Adenotonsillectomy in Children with Obstructive Sleep Apnea. **J Otolaryngol Head Neck Surg.** Jan-Dec;53:19160216241293070. IF:2.5
11. Chen, T.Y., Lai, H.C., Ho, Y.T., Chen, C.W., Chang, H.A., Li, L.A., **Kuo, T.B.J.***, Yang, C.C.H.* (2024) Impact of comorbid sleep-disordered breathing on escitalopram treatment in patients newly diagnosed with generalized anxiety disorder: A 12-week prospective observational study. **J Psychiatr Res.** Dec;180:274-280.
12. Wang, T.C., Li, W.Y., Lai, J.C., **Kuo, T.B.J.***, Yang, C.C.H.* (2024) Nociception Effect on Frontal Electroencephalogram Waveform and Phase-Amplitude Coupling in Laparoscopic Surgery. **Anesth Analg.** May 1;138(5):1070-1080.
13. Kung, Y.Y., Shen, Y.C., Li, J.Y., Kao, Y.K., **Kuo, T.B.J.**, Yang, C.C.H. (2024) Effects of mind-body exercise on body constitution and circadian rhythm in people with suboptimal health status. **J Chin Med Assoc.** Jan 1;87(1):94-102.
14. Huang, C.G., Lin, W.N., Hsin, L.J., Huang, Y.S., Chuang, L.P., Fang, T.J., Li, H.Y., **Kuo, T.B.J.**, Yang, C.C.H., Lee, C.C., Lee, L.A. (2024) Alterations in Gut Microbiota Composition Are Associated with Changes in Emotional Distress in Children with Obstructive Sleep Apnea. **Microorganisms.** Dec 18;12(12):2626.
15. Jen, I.A., **Kuo, T.B.J.***, Liaw, Y.P.* (2024) Sex-specific associations of Notch signaling with chronic HBV infection: a study from Taiwan Biobank. **Biol Sex Differ.** Sep 5;15(1):69.
16. Liu, C.R., Yang, C.Y., Sharma D, Chen, T.H., Huang, X.Q., Hung, T.M., **Kuo, T.B.J.***, Jou, J.H.* (2024) Associations between Sleep Duration and Autonomic Nervous System Regulation in Patients with Probable Alzheimer's Disease: A Cross-Sectional Pilot Study. **Clocks Sleep.** Sep 24;6(4):533-545.

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17. Yeh, C. H.†, Chen, C. Y.†, Kuo, Y. E., Chen, C. W., **Kuo, T. B. J.**, Kuo, K. L., Chen, H. M., Huang, H. Y., Chern, C. M.*, Yang, C. C. H. * (2023) Role of the autonomic nervous system in young, middle-aged, and older individuals with essential hypertension and sleep-related changes in neurocardiac regulation. **Scientific Reports.** 13(1):22623.
18. Yang, C. C. H., **Kuo, T. B. J.**, Chen, C. H., Li , W. Y., Hung, C. T., Li, J. Y.* (2023) Older rats show slow modulation of hippocampal theta rhythm during voluntary running. **Exp Gerontol.** 173:112092.
19. Chen, T. Y., Kung, Y. Y., Lai, H. C., Lee, L. A., Jen, I-An., Chang, H. A., Liu, C. Y., **Kuo, T. B. J. †***, Yang, C. C. H. †* (2023) Prevalence and effects of sleep-disordered breathing on middle-aged patients with sedative-free generalized anxiety disorder: A prospective case-control study. **Front Psychiatry.** 13:1067437.
20. Lin, I. C., Chang, S. C., Huang, Y. J., **Kuo, T. B. J.**, Chiu, H. W*. (2023) Distinguishing different types of attention deficit hyperactivity disorder in children using artificial neural network with clinical intelligent test. **Front Psychol.** 13:1067771.
21. Lee, L. A., Chuang, H. H., Hsieh, H. S., Wang, C. Y., Chuang, L. P., Li, H. Y., Fang, T. J., Huang, Y. S., Lee, G. S., Yang, A. C., **Kuo, T. B. J.**, Yang, C. C. H.*.(2023) Using sleep heart rate variability to

- investigate the sleep quality in children with obstructive sleep apnea. Front Public Health. 11:1103085.
22. Liu, C. R., **Kuo, T. B. J.**, Jou, J. H., Lai, C. L., Chang, Y. K., Liou, Y. M. (2023) Bright Morning Lighting Enhancing Parasympathetic Activity at Night: A Pilot Study on Elderly Female Patients with Dementia without a Pacemaker. Healthcare (Basel). 11(6):793.
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 24. Jau, J. Y., **Kuo, T. B. J.**, Li, L. P. H., Chen, T. Y., Hsu, Y. S., Lai, C. T., Yue, W. C., Huang, P. H., Yang, C. C. H.* (2023) Mouth Puffing Phenomenon and Upper Airway Features May Be Used to Predict the Severity of Obstructive Sleep Apnea. Nat Sci Sleep. 15:165-174.
 25. Lin, H. C., Wang, C. H., **Kuo, T. B. J.**, Yang, C. C. H., Lee, J. C., Chiu, F. S., Chang, Y., Jacobowitz, O., Chu, C. M., Hsu, Y. S.* (2023) Upper Airway Surgery or Weight Control? Modified Drug-Induced Sleep Endoscopy for Obstructive Sleep Apnea. Otolaryngol Head Neck Surg. Online ahead of print.
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