

個人資料表

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1. 基本資料

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2. 主要學歷

1993/09-1996/06 博士 陽明大學 藥理學研究所
畢業論文：動脈壓訊號頻譜成份之生理與藥理分析。
1986/09-1993/06 醫學士 陽明大學 醫學系

3. 現職及經歷

現職

2022/07- 主任 衛生福利部草屯療養院 心腦研究中心

經歷

2006/02- 2022/06 教授 國立陽明交通大學 腦科學研究所
2020/12-2022/06 主任 衛生福利部桃園療養院 臨床研究中心
2019/03-2020/11 主任 國立陽明大學 數位醫學中心
2019/02-2020/04 策略副院長 國立陽明大學 醫學院
2017/01-2019/12 臨床研究諮詢顧問 三軍總醫院北投分院
2018/02-2019/01 副院長 臺北醫學大學 醫學科技學院
2017/05-2019/01 所長 臺北醫學大學 醫學資訊研究所
2016/06-2018/07 顧問 中國醫藥大學附設醫院 醫學研究部
2016/07-2017/12 顧問 智慧電子研發成果橋接計畫
2015/08-2017/07 合聘教授 國立中央大學 生醫科學與工程學系
2016/03-2017/01 理事長 國立陽明大學 教師會
2015/12-2017/01 所長 國立陽明大學 腦科學研究所
2015/12-2017/01 所長 國立陽明大學 神經科學研究所
2015/01-2016/12 生醫講座教授 國立中央大學
2015/11-2016/07 副教務長 國立陽明大學 教務處
2012/01-2015/12 召集人 智慧電子國家型科技計畫 醫療電子分項
2014/08-2015/07 副院長 國立中央大學 生醫理工學院
2014/08-2015/07 所長 國立中央大學 跨領域轉譯醫學研究所
2014/08-2015/07 籌備主任 國立中央大學 生醫科學與工程學系
2010/04-2015/01 主任 行政院衛生署 遠距健康照護服務發展計畫專案
2011/03-2013/07 主任 臺北市立聯合醫院 教學研究部 研究發展組
2006/02-2012/07 所長 國立陽明大學 腦科學研究所
2007/08-2010/07 研發長 國立陽明大學 研發處
2007/01-2008/07 主任 國立陽明大學 腦科學研究中心
2006/02-2008/07 主任 臺灣聯合大學系統 腦科學中心
2006/02-2007/07 主任 國立陽明大學 育成中心
2001/01-2006/01 所長 慈濟大學 神經科學研究所
2000/02-2006/01 教授 慈濟大學 神經科學研究所

1999/08-2001/03 住院醫師 慈濟醫院 神經內科
1999/08-2000/01 副教授 慈濟醫學暨人文社會學院 神經科學研究所
1996/08-1999/07 主任 國立陽明大學 課外活動輔導組
1996/08-1999/07 副教授 國立陽明大學 醫學系藥理學科

4. 專長

研究專長：睡眠研究、循環學研究、自律神經研究、腦波研究等
教學專長：生理學、神經科學、睡眠醫學、微電腦於生物醫學的應用等
服務專長：醫療器材設計、雲端健康管理、跨領域合作、產學合作等

5. 重要獎項及榮譽

2008-2019 陽明大學教師卓越獎
中華民國十大傑出青年，國際青年商會中華民國總會，2004
全國社會優秀青年代表，中國青年救國團，2001
李國鼎青年研究獎，ACM 臺北/臺灣分會與中華民國資訊學會，2000
王世濬院士青年研究獎，中華民國基礎神經科學學會，1999

6. 社會服務

研究計畫審查委員 國科會神經學門、運動學門、心理學門、工程學門、生理學門
臺北市立聯合醫院、陽明附設醫院
期刊審查委員 擔任慈濟醫學雜誌、The Chinese Journal of Physiology、Clinical
Science、Circulation、American Journal of Physiology、American
Journal of Cardiology 等審查委員
期刊編輯委員 Clinical Science、Advances in Adaptive Data Analysis
顧問 工研院醫療器材中心、工研院服務系統科技中心、新光保全公
司、大同醫護管理公司、工業局智慧電子學院

7. 期刊論文 (*：Corresponding Author; †：Co-first Author)

- 1 **Kuo, T. B. J.*** and Chan, S. H. H. (1991) Power spectral analysis of systemic arterial pressure in the rat : correlation with pentobarbital anesthesia. **Chinese Journal of Biomedical Engineering** 11:54-58
- 2 **Kuo, T. B. J.** and Chan, S. H. H.* (1992) Extraction, discrimination and analysis of single-neuron signals by a personal-computer-based algorithm. **Biological Signals** 1:282-292
- 3 **Kuo, T. B. J.** and Chan, S. H. H.* (1993) Continuous, on-line, real-time spectral analysis of systemic arterial pressure signals. **American Journal of Physiology-Heart and Circulatory Physiology** 264:H2208-H2213
- 4 **Kuo, T. B. J.**, Shyr, M. H. and Chan, S. H. H.* (1993) Simultaneous, continuous, on-line and real-time spectral analysis of multiple physiologic signals by a personal-computer-based algorithm. **Biological Signals** 2:45-56
- 5 Shyr, M. H., Yang, C. H., **Kuo, T. B. J.**, Pan, W. H. T., Tan, P. P. C. and Chan, S. H. H.* (1993) Power spectral analysis of the electroencephalographic and hemodynamic correlates of propofol anesthesia in the rat : intravenous bolus administration.

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- 33 **Kuo, T. B. J.***, Lin, T., Yang, C. C. H., Li, C. L., Chen, C. F. and Chou, P. (1999) Effect of aging on gender differences in neural control of heart rate. **American Journal of Physiology-Heart and Circulatory Physiology** 277:H2233-H2239
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- 36 Yang, C. C. H. and **Kuo, T. B. J.*** (2000) Impact of pulse pressure on the respiratory-related arterial pressure variability and its autonomic control in the rat. **European Journal of Physiology** 439:772-780
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- 38 Chen, C. C., Chen, S. A., Tai, C. T., **Kuo, T. B. J.**, Chang, M. S. and Prystowsky, E. N.* (2001) Hyperventilation facilitates induction of supraventricular tachycardia : a novel method and the possible mechanism. **Journal of Cardiovascular Electrophysiology** 12:1242-1246
- 39 Yang, T. F.*, Wong, T. T., Chang, K. P., Kwan, S. Y., Kuo, W. Y., Lee, Y. C. and **Kuo, T. B. J.** (2001) Power spectrum analysis of heart rate variability in children with epilepsy. **Child's Nervous System** 17:602-606
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- and autonomic functions. **Sleep** 27:648-656
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- 61 Su, C. F., **Kuo, T. B. J.**, Kuo, J. S., Lai, H. Y. and Chen, H. I.* (2005) Sympathetic and parasympathetic activities evaluated by heart-rate variability in head injury of various severities. **Clinical Neurophysiology** 116:1273-1279
- 62 **Kuo, T. B. J.** and Yang, C. C. H.* (2005) Sleep-related changes in cardiovascular neural regulation in spontaneously hypertensive rats. **Circulation** 112:849-854
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169. 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)
170. 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)
171. 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)
172. 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)
173. 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)
174. 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)
175. 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)
176. 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)
177. 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)
178. 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)
179. 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)
180. 郭博昭：物聯網 IOT 的臨床案例分享。高雄市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)
181. 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)
182. 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)

183. 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)
184. 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)
185. 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)
186. 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)
187. 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)
188. 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)
189. 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>
190. 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)
191. 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)

12.核定之整合型研究計畫

- 89/12-92/11 國科會提升私立大學研發能量計畫 總主持人
東臺灣睡眠研究中心
- 95/04/01-95/12/31 陽明大學 國科會尖端計劃 總主持人
無線生理感測器於健康促進與疾病監測之應用
- 96/08/01-97/07/31 國科會產學合作計畫 總主持人
低功率微型無線多頻道生理訊號記錄系統之開發與人與動物
年齡常模資料建立
- 97/08/01-100/07/31 國科會跨領域整合性研究計畫 總主持人
無線實體區域網路之個人健康感測器
- 98/06/11-98/12/10 經濟部產學聯合研發計畫 總主持人
微型無線多頻道心電記錄系統之產品化
- 98/08/01-99/07/31 經濟部學研聯合研究計畫 子計畫主持人
精神分裂症多層面診斷技術開發計畫
- 100/08/01-103/07/31 國科會跨領域整合性研究計畫 子計畫主持人
銀髮族智慧型周全性優遊健康照護雲端服務之開發與評估
- 102/02/01-105/01/31 國科會跨領域整合性研究計畫 子計畫主持人
自適應性分析技術產學聯盟
- 104/08/01-107/07/31 科技部跨領域整合性研究計畫 總主持人
專業型穿戴式無線睡眠管理系統於睡眠障礙之應用
- 104/07/01-105/06/30 科學園區管理局 MG+4C 垂直整合推動專案計畫
學研機構計畫主持人
以即時生理訊號平臺提升血液透析品質
- 107/08/01-108/07/31 科技部跨領域整合性研究計畫 子計畫主持人
血管性認知功能障礙之精準醫療－
生物資訊在中風後認知功能障礙的應用(1/3)

13. 近五年內核定執行之研究計畫

計畫名稱 (本部補助者請註明編號)	計畫內擔任之工作	起迄年月日 (年/月/日~年/月/日)	補助或委託機構	核定經費
以 C57BL/6 與阿茲海默症小鼠模式探討麻醉藥與手術引發神經與認知功能損害：自律神經調控、腦波及晝夜節律與睡眠生理扮演角色 111-2314-B-A49 -077 -MY3	主持人	2022/08/01 ~ 2023/07/31	國科會 (科技部)	963,015
產學合作- 創新二合一心電體溫計及防疫平台開發計畫 MOST 111-2622-E-A49-019 -	主持人	2022/6/ 1 ~ 2023/5/31	眾里科技股份有限公司&科技部	1,348,556
建構台灣客觀量化精神醫療的雲端系統子計畫二	主持人	2022/01/01 ~ 2022/12/31	桃園療養院	5,000,000
產學合作- 40Hz 先進顯示光療先期驗證評估	主持人	2022/6/ 1 ~ 2023/5/31	友達光電股份有限公司	1,750,000
心電圖手錶及平台開發驗證計劃 110-2622-E-A49A-507	主持人	2021/11/01 ~ 2022/10/31	科技部	1,170,000
社區老人生理失能與認知障礙之性別差異，及運動介入與穿戴裝置使用之效益：聚焦於阻塞型睡眠呼吸中止症與憂鬱症 110-2629-B-A49A-501	共同主持人	2021/08/01 ~ 2022/07/31	科技部	550,000
高血壓及自律神經藥物對間歇性缺氧合併中大腦動脈阻塞大鼠引發更嚴重腦損傷及行為恢復缺陷的影響 (109-2320-B-010-012-MY3)	共同主持人	2020/08/01~ 2023/07/31	科技部	5,160,000
血管性認知功能障礙之精準醫療－生物資訊在中風後認知功能障礙的應用 (3/3) (109-2314-B-075-095)	共同主持人	2020/08/01~ 2021/07/31	科技部	1,200,000
價創計畫：AI 穿戴式醫材之全方位心臟病輔助決策系統 (109-2823-8-010-002)	主持人	2020/07/01~ 2020/12/31	科技部	8,100,000

產學合作計畫－新型睡眠監測指環開發驗證計畫 (109-2622-E-010-001 -CC2)	主持人	2020/06/01~ 2021/05/31	科技部	1,550,000
以阿茲海默症小鼠模式探討性別及停經因子影響間歇性缺氧引發認知功能損害之病理機轉：自律神經調控及睡眠所扮演之潛在角色 (108-2314-B-075-072-MY3)	共同主持人	2019/08/01~ 2022/07/31	科技部	4,200,000
血管性認知功能障礙之精準醫療－生物資訊在中風後認知功能障礙的應用 (2/3) (108-2314-B-010-003)	主持人	2019/08/01~ 2020/07/31	科技部	1,200,000
以正常及高血壓大鼠探討間歇性缺氧引發認知功能損害之病理機轉：高血壓、心血管自律神經失調與睡眠片段化所扮演之角色 (107-2314-B-010 -019 -MY3)	共同主持人	2018/08/01~ 2021/07/31	科技部	3,528,000
血管性認知功能障礙之精準醫療－生物資訊在中風後認知功能障礙的應用 (1/3) (107-2314-B-010-040)	主持人	2018/08/01~ 2019/07/31	科技部	1,200,000
利用大鼠探討睡眠後期心血管事件發生之危險因子、機轉及預防：異常交感神經及血壓的驟升 (105-2314-B-010-003-MY3)	主持人	2016/08/01~ 2019/07/31	科技部	3,660,000
專業型穿戴式無線睡眠管理系統於睡眠障礙之應用 (3/3) (106-2627-E-010-001)	主持人	2017/08/01~ 2018/07/31	科技部	4,300,000
探討高血壓影響認知功能損害之心血管神經調控及睡眠相關機轉：運動之保護效果 (106-2314-B-010-025)	共同主持人	2017/08/01~ 2018/07/31	科技部	1,127,000
專業型穿戴式無線睡眠管理系統於睡眠障礙之應用 (2/3) (105-2627-E-010-001)	主持人	2016/08/01~ 2017/07/31	科技部	4,300,000
探討高血壓影響認知功能損害之心血管神經調控及睡眠相關機轉：運動之保護效果 (105-2314-B-010-009)	共同主持人	2016/08/01~ 2017/07/31	科技部	1,200,000
憂鬱症之夜間血氧、腦波及自律神經功能與白天專注力及自殺意念之關係 (10901-62-028)	主持人	2020/01/01~ 2020/12/31	臺北市政府衛生局	608,876
以間歇性缺氧與中大腦動脈阻塞的動物模型來探討睡眠呼吸中止症對缺血型腦中風的影響機制 (10901-62-045)	共同主持人	2020/01/01~ 2020/12/31	臺北市政府衛生局	693,334

探討調整睡姿、運動、舌肌訓練及正壓呼吸器介入對睡眠呼吸中止發生頻率及嚴重程度的影響 (10801-62-013)	主持人	2019/01/01~ 2020/12/31	臺北市政府衛生局	684,748
利用雲端居家血氧計探討睡眠呼吸中止症在內科疾病中盛行率與介入治療後疾病嚴重度之改善 (10801-62-034)	共同主持人	2019/01/01~ 2020/12/31	臺北市政府衛生局	647,925
不同失眠亞型入睡矛盾意向之發生及心血管神經調控與腦皮質活性之角色(10601-62-012)	共同主持人	2017/01/01~ 2018/05/31	臺北市政府衛生局	776,066
建立輕度認知障礙監控及預測之生理指標：非醫療介入之可能 (10601-62-023)	主持人	2017/01/01~ 2018/04/30	臺北市政府衛生局	694,741
以多頻道睡眠生理紀錄儀與功能性磁共振造影探討臨睡壓力對入睡困難型失眠者之影響機制 (10501-62-013)	共同主持人	2016/01/01 ~ 2017/12/31	臺北市政府衛生局	808,376
重度呼吸中止症候群病人在接受陽壓呼吸器壓力測定試驗時心率變異參數在不同睡眠分期的特徵與改變 (109DN18)	主持人	2020/01/01~ 2020/12/31	亞東醫院	387,629
睡眠呼吸中止症患者睡眠期間口呼吸習慣改善研究 (CY10820)	主持人	2019/01/01~ 2020/06/30	振興醫院	364,000
利用雲端居家血氧計探討臺灣地區睡眠呼吸中止症之盛行率及評估睡眠呼吸道相關手術的術後療效 (CY10615)	主持人	2017/01/01~ 2017/12/31	振興醫院	529,302
常見疾病之中醫證型：建立雲端客觀生理參數及中醫體質健康管理並探討長期八段錦氣功介入對改善罹患高血壓高風險及/或睡眠障礙亞健康人自律神經功能在其中扮演角色-後續擴充計畫 (MOHW108-NRICM-M-114-122001)	主持人	2019/01/01~ 2019/12/31	衛生福利部國家中醫藥研究所	1,100,000
常見疾病之中醫證型：建立雲端客觀生理參數及中醫體質健康管理並探討長期八段錦氣功介入對改善罹患高血壓高風險及/或睡眠障礙亞健康人自律神經功能在其中扮演角色 (MOHW107-NRICM-M-114-112001)	主持人	2018/03/31~ 2018/12/31	衛生福利部國家中醫藥研究所	1,100,000

中藥品質及中醫藥輔助療效研究-以客觀生理參數驗證亞健康人之中醫證型 (MOHW106-NRICM-C-104-000001)	主持人	2017/02/10~ 2018/02/09	衛生福利部國家中醫藥研究所	1,200,000
國立陽明大學提升校園行動應用服務研發及內容設計人才培育計畫 (105QC008)	主持人	2016/05/18~ 2017/11/30	教育部	324,000

14. 已通過專利案件

	類別	專利名稱	國別	專利號碼	發明人	專利權人	專利核准期間
1	(B)新型專利	心率變異分析心電轉換器	中華民國	149299	郭博昭	郭博昭	1999/07/01~ 2010/01/14
2	(A)發明專利	Electrocardiogram signal collecting apparatus	美國	US6360117B1	郭博昭	郭博昭	2002/03/19~ 2019/05/23
3	(A)發明專利	評估自主神經系統功能之自動遠端控制方法及系統	中華民國	168747	郭博昭	郭博昭、麗臺股份有限公司	2002/12/11~ 2021/12/06
4	(A)發明專利	能由頸部同時測量心電、脈搏和聲波訊號之感測器	中華民國	169688	郭博昭	郭博昭、麗臺股份有限公司	2003/01/01~ 2021/11/20
5	(A)發明專利	非侵入性自律神經系統監測儀器系統及其用途	中華民國	176323	孫德銓、郭博昭	郭博昭、財團法人工業技術研究院	2003/03/21~ 2022/03/31
6	(A)發明專利	以聲音低高頻比作為鼻腔及鼻音監測的方法	中華民國	195701	李國熙、郭博昭	李國熙、郭博昭	2004/01/11~ 2022/07/01
7	(A)發明專利	陰陽虛實之偵測方法及其裝置	中華民國	198840	郭博昭、楊靜修	郭博昭、楊靜修、麗臺股份有限公司	2004/04/01~ 2023/03/10
8	(B)新型專利	聚合酶連鎖反應儀	中華民國	224760	鄧俊男、郭博昭	鄧俊男、郭博昭、威今基因科技股份有限公司	2004/06/21~ 2014/06/23
9	(A)發明專利	陰陽虛實之偵測方法及其裝置	中國大陸	ZL03109155.5	郭博昭、楊靜修	郭博昭、楊靜修、麗臺股份有限公司	2004/10/13~ 2023/04/02
10	(A)發明專利	心電訊號轉換器及其類比-數位轉換單元	中華民國	I222861	郭博昭、楊靜修	郭博昭、楊靜修	2004/11/01~ 2023/06/24
11	(A)發明專利	Non-invasive apparatus system for monitoring autonomic nervous system and uses thereof	美國	US6811536B2	孫德銓、郭博昭	郭博昭、財團法人工業技術研究院	2004/11/02~ 2022/09/15

12	(A)發明專利	脈衝間距至電壓轉換器及其轉換方法	中國大陸	ZL03143197.6	郭博昭、楊靜修	郭博昭、楊靜修、麗臺股份有限公司	2004/12/08~2023/06/05
13	(A)發明專利	心率變異性分析方法及裝置	中華民國	I225394	郭博昭、楊靜修	郭博昭、楊靜修	2004/12/21~2023/05/13
14	(A)發明專利	鼻音偵測方法及其裝置	中華民國	I226600	李國熙、郭博昭	李國熙、郭博昭、麗臺股份有限公司	2005/01/11~2023/03/11
15	(A)發明專利	Pulse interval to voltage converter and conversion method thereof	美國	US6989693B2	郭博昭、楊靜修	郭博昭、麗臺股份有限公司	2006/01/24~2024/03/16
16	(A)發明專利	多頻道之脈衝間距至電壓轉換器及轉換方法	中華民國	I254504	郭博昭、楊靜修	郭博昭、楊靜修、麗臺股份有限公司	2006/05/01~2024/04/06
17	(A)發明專利	聽力與發聲腦幹之檢測方法及其裝置	中華民國	I260980	李國熙、郭博昭	李國熙、郭博昭、威今基因科技股份有限公司	2006/09/01~2024/10/17
18	(A)發明專利	脈衝間距至電壓轉換器及其轉換方法	中華民國	I261415	郭博昭、楊靜修	郭博昭、楊靜修、麗臺股份有限公司	2006/09/01~2023/05/20
19	(A)發明專利	Methods and Apparatus for Analyzing Heart Rate Variability	美國	US7277746B2	郭博昭、楊靜修	郭博昭、楊靜修	2007/10/02~2024/02/29
20	(A)發明專利	貼片式無線微生理訊號收集裝置	中華民國	I311909	郭博昭、楊靜修	郭博昭、楊靜修、享翔顧問有限公司	2009/07/11~2026/01/12
21	(A)發明專利	微型無線心電訊號收集裝置	中華民國	I313593	郭博昭、楊靜修	郭博昭、楊靜修	2009/08/21~2025/11/27
22	(A)發明專利	耳機感測式心電訊號量測系統	中華民國	I316401	郭博昭、楊靜修	郭博昭、楊靜修、享翔顧問有限公司	2009/11/01~2026/06/20
23	(A)發明專利	太陽眼鏡型瞌睡防止器	中華民國	I321227	郭博昭、楊靜修	國立陽明大學	2010/03/01~2027/04/17

24	(A)發明專利	Miniature wireless apparatus for collecting physiological signals	美國	US7672714B2	郭博昭、楊靜修	郭博昭、楊靜修、享翔顧問有限公司	2010/03/02~2026/08/02
25	(A)發明專利	Earphone sensor system for measuring electrocardiogram signals	美國	US7769435B2	郭博昭、楊靜修	郭博昭、楊靜修、享翔顧問有限公司	2010/08/03~2027/04/17
26	(A)發明專利	項鍊型心電及體溫訊號偵測器	中華民國	I337536	郭博昭、楊靜修	國立陽明大學	2011/02/21~2027/05/14
27	(A)發明專利	Sleep analysis system and method for analyzing sleep thereof	美國	US8292819B2	郭博昭、楊靜修	國立陽明大學	2012/10/23~2029/03/22
28	(B)新型專利	觸控式電子裝置使用狀態監測系統	中華民國	M455306	林煜軒、郭博昭、李揚漢、錢威、曾憲威	林煜軒、郭博昭、李揚漢、錢威、曾憲威	2013/06/11~2023/01/02
29	(A)發明專利	具無線傳輸之資料緩衝裝置	中華民國	I432070	郭博昭、楊靜修	國立陽明大學	2014/03/21~2030/10/05
30	(A)發明專利	行為模式分析方法	中華民國	I437458	郭博昭、楊靜修	國立陽明大學	2014/05/11~2030/07/26
31	(A)發明專利	Data buffer apparatus with wireless transmission function	美國	US8810356B2	郭博昭、楊靜修	國立陽明大學	2014/08/19~2030/12/12
32	(A)發明專利	手機電擊器	中華民國	I472355	胡瑜峰、郭博昭、陳適安、羅孟宗、黃鏐	國立中央大學	2015/02/11~2033/02/06
33	(A)發明專利	利用雲端資料庫進行運動處方管理與回饋的方法	中華民國	I475508	林順萍、陳俊忠、郭博昭、謝一德、李國熙	中華學校財團法人中華科技大學	2015/03/01~2032/09/18
34	(A)發明專利	分析模組、雲端分析系統及其方法	中華民國	I488050	黃鏐、羅孟宗、郭博昭、林祐正	國立中央大學	2015/06/11~2032/08/28
35	(A)發明專利	Analysis module, cloud analysis system and method thereof	美國	US9087141B2	黃鏐、羅孟宗、郭博昭、林祐正	國立中央大學	2015/07/21~2032/08/28

36	(A)發明專利	生理訊號偵測系統	中華民國	I504384	胡瑜峰、郭博昭、陳適安、謝一德	胡瑜峰	2015/10/21~2033/02/06
37	(A)發明專利	分析系統及其方法	中華民國	I506583	黃鏐、郭博昭、林祐正、彭仲康、羅孟宗	國立中央大學	2015/11/01~2033/12/09
38	(A)發明專利	遠距醫療系統及方法	中華民國	I511070	郭博昭、周思源	周思源	2015/12/01~2033/10/06
39	(B)新型專利	量測血壓數值及血氧濃度之手掌裝置	中華民國	M518960	梁珮琳、吳承翰、謝一德、林祐正、郭帥立、郭博昭	享翔顧問有限公司	2016/03/21~2025/12/03
40	(B)新型專利	生物醫學訊號感測裝置	中華民國	M523856	吳承翰、謝一德、林祐正、李瑋翊、郭博昭	享翔顧問有限公司	2016/06/11~2025/12/03
41	(A)發明專利	Diagram building System and Method for a Signal Data Analyzing	美國	US20160292894A1	黃鏐、郭博昭、林祐正、彭仲康、羅孟宗	國立中央大學	2016/10/06~2036/04/04
42	(B)新型專利	馬拉松選手運動狀態之量測與評估系統	中華民國	M530133	林順萍、郭博昭、陳俊忠	中華學校財團法人中華科技大學	2016/10/11~2026/07/10
43	(B)新型專利	留觀患者生命跡象監控系統	中華民國	M531823	郭博昭、張泓則、林季緯	天成優護系統有限公司	2016/11/11~2026/06/16
44	(B)新型專利	具有實時檢測及傳輸身體生理特性功能的穿戴式戒環裝置	中國大陸	CN205814302U	李瑋翊、郭博昭	雲保股份有限公司	2016/12/21~2036/05/26
45	(B)新型專利	一種具有即時偵測及傳輸身體生理特性功能之穿戴式戒環裝置	中華民國	M541759	李瑋翊、郭博昭	雲保股份有限公司	2017/05/21~2026/05/26
46	(B)新型專利	建構於物聯網之睡眠呼吸中止監測分析系統	中華民國	M541830	郭帥立、林祐正、吳承翰、李瑋翊、邱文生、郭博昭	雲保股份有限公司	2017/05/21~2026/07/21

47	(B)新型專利	關節角度監測裝置	中華民國	M549051	黃煜展、吳承翰、郭博昭、呂紹睿、陳俊忠、郭錦華	雲保股份有限公司	2017/09/21~ 2027/01/19
48	(A)發明專利	心跳脈博量測系統及其方法	中華民國	I635850	郭博昭、吳承翰、李瑋翊、謝一德	雲保股份有限公司	2018/09/21~ 2034/10/08

15. 申請中專利案件

1. 智慧型護膝裝置。中華民國
2. 心律變異量測心房顫動技術。中華民國
3. 腦電波偵測帶。中華民國

16. 國內外技術轉移或產學合作

技術名稱	專利名稱	授權單位	被授權單位	簽約日期
微型心電發報器	貼片式無線微生理訊號收集裝置 微型無線心電訊號收集裝置	陽明大學	麗臺股份有限公司	2006/2-2007/2
人體微型無線生理訊號收集及分析系統	人體微型無線生理訊號收集及分析系統	陽明大學	新新億公司	2006/9-2007/09
心率變異分析儀	心率變異分析心電轉換器	郭博昭	陽茵公司	2000/1-
無線傳輸模組技術	超低功率無線傳輸模組技術授權契約	陽明大學	大同生科股份有限公司	2011/8-2014/8
藍芽與神農及 HRV 無線傳輸晶片	藍芽與神農及 HRV 無線傳輸晶片模組	陽明大學	臺灣雲康股份有限公司	2011/8-2014/8
Xenon IID 模組技術	Xenon IID 模組技術授權契約	陽明大學	少華股份有限公司	2012/4-2015/3
神農無線傳輸模組及路由器	神農無線傳輸模組及路由器與無線射頻外接盒	陽明大學	麗臺科技股份有限公司	2012/5-2018/7
標準型腦波儀	太陽眼鏡型瞌睡防止器	陽明大學	聯合利得國際投資有限公司	2013/08-2016/08

17. 其他著作

著作名稱	種類	著作人	年份
心率變異分析程式	電腦程式	郭博昭	1999-2019
心率變異研究—從健康養生到疾病診療	專書	郭博昭等	2016
智慧集中檢疫所實作分享	醫學期刊	郭博昭等	2022

18.醫材設計

醫材名稱	產品照片	醫材許可證號
名片型心率變異分析儀		衛部醫器製字第 004896 號，2015
手持型心率變異分析儀		衛部醫器製字第 004896 號，2015
貼片型心率變異分析儀		衛部醫器製字第 005532 號，2016

19.舉辦會議

會議名稱	類型	人數	會議日期	主辦單位
《智慧電子與長照 2.0 研討會—需求與技術的對話》	國內會議	140 人	2017.12.13	智慧電子研發成果橋接計畫 國立陽明大學睡眠研究中心 臺北醫學大學醫學資訊研究所
第八屆生醫工程應用研討會(2018 SEMBA) 主題：智慧醫院 Smart Hospital	國際會議	179 人	2018.2.2-4	臺灣生醫電子工程協會 臺北醫學大學醫學資訊研究所

20.成立協會

協會名稱	發起人	申請日期&目前狀態
台灣心率變異研究協會	郭博昭等 30 人	2018.08.14 已於 2019.11.11 准予立案