**Lan-Yuen Guo**

郭 藍 遠

教授兼任系主任

高雄醫學大學 運動醫學系

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## 學歷

|  |  |  |
| --- | --- | --- |
| 國立成功大學醫學工程 | 博士 | 1998/09 ~ 2003/01 |
| 國立成功大學醫學工程 | 碩士 | 1994/09 ~ 1996/06 |
| 國立陽明大學物理治療學系 | 學士 | 1988/09 ~ 1992/06 |

## 經歷

|  |  |  |
| --- | --- | --- |
| 高雄醫學大學運動醫學系 | 教授 | 2012/08~ |
| 高雄醫學大學運動醫學系 | 系主任 | 2010/08~ |
| 高雄醫學大學生物醫學工程博士學位學程 | 主任 | 2017/08~ |
| 高雄醫學大學附設中和紀念醫院臨床醫學研究部 | 兼任研究員 | 2017/01~ |
| 高雄醫學大學醫學研究所 | 合聘教授 | 2016/08~ |
| 高雄醫學大學公共衛生學系 | 合聘教授 | 2016/08~ |
| 國立中山大學醫學科技研究所 | 合聘教授 | 2015/08~ |
| 高雄醫學大學高齡長照碩士學位學程 | 合聘教授 | 2015/08~ |
| 高雄醫學大學臨床醫學研究所 | 合聘教授 | 2015/08~ |
| 高雄醫學大學生物醫學工程博士學位學程 | 籌備處主任 | 2016/08~2017/07 |
| 高雄醫學大學運動醫學系 | 副教授 | 2006/02 ~2012/07 |
| 高雄醫學大學運動醫學系 | 助理教授 | 2004/08 ~ 2006/01 |
| 慈濟技術學院物理治療系 | 副教授 | 2003/02 ~ 2004/07 |
| 美國梅約醫學中心骨科生物力學實驗室 | Special Project Associate | 2001/03 ~ 2002/03 |
| 國立成功大學 醫學工程研究所 | 兼任研究助理 | 1999/08 ~ 2000/12 |
| 慈濟醫院 復健科 | 兼任物理治療師 | 1996/08 ~ 1998/07 |
| 慈濟技術學院物理治療系 | 講師 | 1996/08 ~ 2003/01 |
| 國立成功大學 醫學工程研究所 | 兼任研究助理 | 1995/07 ~ 1996/06 |
| 新竹空軍機場 醫務隊 | 少尉復健官 | 1992/07 ~ 1994/05 |

## 其它經歷

|  |  |
| --- | --- |
| The Scientific Pages of Sports Medicine | 編輯委員 |
| Journal of Musculoskeletal Disorders | 編輯委員 |
| Chinese Journal of Sports Biomechanics | 編輯委員 |
| Journal of Sports Medicine | 編輯委員 |
| International Journal of Physical Therapy and Rehabilitation | 編輯委員 |
| 國際生物力學學會(ISB) | 座長/論文審查委員/評審委員 |
| 台灣生物力學學會研討會 | 籌備委員/座長/論文甄選委員 |
| 中華民國生物醫學工程學會研討會 | 座長/論文評審委員 |
| 台灣生物力學學會 | 常務理事 |
| 台灣運動傷害防護學會 | 常務理事 |
| 台灣運動科技發展協會 | 理事 |
| 台灣身體活動與運動科學學會 | 理事 |
| 台灣訊號應用學會 | 理事 |
| 台灣泰洛比健康促進協會 | 理事 |

## 期刊審查委員

|  |
| --- |
| Journal of Neuro Engineering and Rehabilitation (SCI) |
| American Journal of Physical Medicine & Rehabilitation (SCI) |
| Journal of Sports Science (SCI) |
| Journal of Magnetic Resonance Imaging (SCI) |
| Journal of Multi-body Dynamics (SCI) |
| Journal of the American Podiatric Medical Association (SCI) |
| Lasers in Medical Science (SCI) |
| BMC Medical Imaging (SCI) |
| Journal of Mechanics in Medicine and Biology (SCI) |
| Journal of Medical and Biological Engineering (SCI) |
| Proceedings of the Institution of Mechanical Engineers, Part C (SCI) |
| Journal of Mechanical Engineering Science (SCI) |
| African Journal of Biotechnology (SCI) |
| BMC Sports Science, Medicine and Rehabilitation |
| Journal of Musculoskeletal Research |
| 大專體育學刊(TSSCI) |
| 體育學報(TSSCI) |
| 臺灣體育學術研究 |
| 成大體育學刊 |
| 華人運動生物力學期刊 |

## 得獎與榮譽

|  |  |
| --- | --- |
| 2016 | 2016第六屆運動科技應用論文競賽佳作 |
| 2015 | 2015台灣生物力學年度學術研討會暨科技部成果發表會學生口頭論成果佳作獎 |
| 2013 | 高雄醫學大學102學年度產學合作卓越獎 |
| 2013 | 高雄醫學大學102學年度研究績優教師 |
| 2013 | 高雄醫學大學102學年度教學優良教師 |
| 2012 | 高雄醫學大學技術移轉傑出貢獻獎 |
| 2012 | 2012會員大會暨運動科技應用高峰論壇學生口頭論文競賽優勝 |
| 2012 | 2012會員大會暨運動科技應用高峰論壇學生論文競賽佳作 |
| 2012 | 2012國際運動生物力學研討會暨台灣運動生物力學年會CJSB優秀口頭論文獎 |
| 2011 | 高雄醫學大學技術移轉傑出貢獻獎 |
| 2011 | 高雄醫學大學產學合作傑出績優獎 |
| 2011 | 2011會員大會暨運動科技應用高峰論壇學生論文競賽佳作 |
| 2011 | 2011國際運動生物力學研討會暨台灣運動生物力學年會學生海報優秀論文獎 |
| 2010 | 指導大專學生參加行政院國科會專題研究計畫榮獲研究創作獎 |
| 2010 | 台灣運動生物力學會學生海報論文競賽優勝 |
| 2010 | 台灣生物力學會學生口頭發表論文競賽佳作 |
| 2010 | 科學及工程名人錄(Marquis Who's Who in Science and Engineering) |
| 2010 | 高雄醫學大學2009年技術移轉傑出貢獻獎 |
| 2010 | 第二屆亞太復健醫學會(The 2nd Asia-Oceanian Conference of Physical and Rehabilitation Medicine)最佳海報論文 |
| 2009 | 高雄醫學大學2008年產學合作傑出績優獎 |
| 2009 | 高雄醫學大學2008年技術移轉傑出績優獎 |
| 2008 | 高雄醫學大學優良教材獲獎 |
| 2008 | 高雄醫學大學2007年產學合作傑出績優獎 |
| 2008 | 亞洲美國地區名人錄(Asia American Who's Who) |
| 2007 | 台灣生物力學會學生海報論文競賽優勝 |
| 2007 | 台灣生物力學會學生海報論文競賽佳作 |
| 2007 | 台灣生物力學會學生海報論文競賽佳作 |
| 2007 | 亞太地區名人錄(Asia Pacific Who's Who) |
| 2006 | 台灣生物力學會學生論文競賽優勝 |
| 2006 | 台灣生物力學會學生論文競賽佳作 |
| 2006 | 獲國科會部分補助出國參加國際會議 2006 International Society of Electrophysiology and Kinesiology, Torino, Italy；並發表論文 |
| 2005 | 獲國科會部分補助出國參加國際會議 Combined XXth International Society of Biomechanics and 29th American Society of Biomechanics meetings, Cleveland, USA；並發表論文 |
| 2004 | 指導大專學生參加行政院國科會專題研究計畫榮獲研究創作獎 |
| 2004 | 獲國科會部分補助出國參加國際會議 2004 Pre-Olympic Congress, Thessaloniki, Greece；並發表論文 |
| 2002 | 教育部公費留學短期研究 |
| 2002 | 獲教育部部分補助出國參加國際會議 IV World Congress Of Biomechanics, Calgary, AB, Canada； 並發表論文 |
| 2001 | 李氏基金會學術交流獎金, 美國 |
| 2001 | 獲教育部部分補助出國參加國際會議 25th Annual Meeting of the American Society of Biomechanics, San Diego, CA, USA；並發表論文 |
| 2000 | 中華民國扶輪社獎學金 |
| 2000 | 中華民國生物醫學工程年會海報論文比賽佳作 |
| 2000 | 台灣生物力學年會論文比賽優勝 |
| 2000 | 獲國科會部分補助出國參加國際會議 5th Scientific Congress, Sydney 2000 Paralympic Games, Sydney, Australia；並發表論文 |
| 1999 | 台南三信文教基金會獎學金 |
| 1997 | 通過行政院國科會乙種研究獎勵 |
| 1997 | 獲國科會全額補助出國參加國際會議 XVIth Congress of the International Society of Biomechanics, Tokyo, Japan；並發表論文 |
| 1996 | 中華民國斐陶斐學會榮譽會員 |
| 1995 | 專業技術人員高等考試物理治療師及格 |

## 研究興趣與專長

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| --- | --- | --- | --- | --- |
| 生物力學 | 動作科學 | 物理治療 | 醫學工程 | 運動醫學 |

**研究計畫**

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| --- | --- | --- | --- | --- |
| 計畫名稱 | 工作  性質 | 核定金額 | 補助單位 | 執行期限 |
| 低價測力板的研發  (KN106004) | 主持人 | 200,000 | 中山高醫產學合作案 | 2017/8/15~ 2018/8/14 |
| 慢性腎臟疾病患者社區運動及末期腎臟疾病患者透析中運動的效益探討:結合APP、擴增虛擬實境以及生理回饋等方式  (MOST106-2410-H-037-013) | 主持人 | 753,000 | 科技部 | 2017/8/1~  2018/7/31 |
| 正走與背向跑步機行走之腦波差異  (MOST106-2221-E-110 -044) | 共同主持人 | 911,000 | 科技部 | 2017/8/1~  2018/7/31 |
| 比較冷熱刺激療法與經皮神經電刺激療法於中風患者感覺及動作功能之效益  (106CM-KMU-12) | 主持人 | 500,000 | 奇美高醫合作研究計畫 | 2017/5/1~  2018/4/30 |
| 106年度學界協助中小企業科技關懷跨域整合計畫-跨領域智慧健康照護產業整合計劃 | 主持人 | 1,344,000 | 經濟部技術處 | 2017/5/1~  2017/10/31 |
| 健康促進與照護器材產學技術聯盟跨領域技術服務提升計畫  (MOST106-2622-8-037-001-TB1) | 主持人 | 2,400,000 | 科技部 | 2017/2/1~  2018/1/31 |
| 自製三軸測力板結合三軸加速規爆發力檢測之效度評估(106-P022) | 高醫大主持人 | 200,000 | 中山高醫合作研究計畫 | 2017/1/1~  2017/12/31 |
| 三軸向旋轉椅測試診斷分析系統 | 主持人 | 200,000 | 高雄醫學大學 | 2016/12/1~  2017/11/30 |
| 銀髮族創新下肢肌力及爆發力訓練器材開發 | 主持人 | 1,200,000 | 財團法人工業技術研究院 | 2016/10/1~  2017/12/31 |
| 爆發力迴饋訓練對運動功能障礙症候群之效益研究(MOST105-2410-H-037-008) | 主持人 | 811,000 | 科技部 | 2016/8/1~  2017/7/31 |
| 中風病患行走復健的步態平衡度視覺回饋系統(MOST105-2221-E-110-034) | 共同主持人 | 876,000 | 科技部 | 2016/8/1~  2017/7/31 |
| 105年度學界協助中小企業科技關懷跨域整合計畫-智慧健康照護產業整合及升級輔導專案 | 主持人 | 912,000 | 經濟部技術處 | 2016/5/1~  2016/10/31 |
| 可調軟硬度一次成型彈性體之長照床墊研究開發計畫(MOST105-2812-8-037-001) | 主持人 | 700,002 | 科技部 | 2016/3/1~  2016/11/30 |
| 智慧健康運動器材共通應用介面標準草案 | 主持人 | 150,000 | 財團法人工業技術研究院 | 2016/1/5~  2016/2/5 |
| 中風病患行走復健的步態生理回饋系統  (105-P009) | 高醫大主持人 | 200,000 | 中山高醫合作研究計畫 | 2016/1/1~  2016/12/31 |
| 背向行走訓練對慢性腦中風患者走路和平衡功能之療效(105-CCH-KMU-004) | 主持人 | 500,000 | 財團法人彰化基督教醫院暨高雄醫學大學 | 2016/1/1~  2016/12/31 |
| 特殊族群運動管理服務規劃與場域驗證研究 | 共同主持人 | 900,000 | 工業技術研究院 | 2015/9/1~  2015/11/10 |
| 銀髮族下肢步態復健暨運動量監控之穿戴式輔助系統設計(MOST104-2218-E269-001) | 共同主持人 | 630,000 | 科技部 | 2015/9/1~  2016/8/31 |
| 生醫與醫材轉譯加值人才培訓-ANCHOR UNIVERSITY計畫(NCKU) | 共同主持人 | 18,000,000 | 科技部 | 2015/8/1~  2016/7/31 |
| 社區老人之「養生律動經絡拳」實證介入措施發展及成效評量  (MOST104-2314-B-037-041-MY3) | 共同主持人 | 2,325,000 | 科技部 | 2015/8/1~  2018/7/31 |
| 慢性踝關節不穩運動員中樞神經塑化改變分析和特定運動治療介入成效探討  (MOST104-2410-H320-004) | 共同主持人 | 808,000 | 科技部 | 2015/8/1~  2016/7/31 |
| 適用於中風病患進行行走訓練的智慧型跑步機系統設計與開發  (MOST104-2221-E110-010) | 共同主持人 | 728,000 | 科技部 | 2015/8/1~  2016/7/31 |
| 南部生技醫療器材產業聚落發展計畫─前庭系統功能評估及復健智慧裝置開發  (BZ-17-08-29-104) | 主持人 | 1,500,000 | 科技部南部科學工業園區管理局 | 2015/7/1~  2016/12/31 |
| 鎳鈦護具的功能性驗證 | 主持人 | 230,000 | 金屬工業研究發展中心 | 2015/7/1~  2016/6/30 |
| 透過測力板回饋兩腳承重以促進中風病人執行從坐到站、站立重心轉移與站立平衡訓練之智能型平衡訓練系統設計與開發  (MOST104-2622-B-037-006-CC3) | 共同主持人 | 500,000 | 科技部 | 2015/6/1~  2016/8/31 |
| 104年度學界協助中小企業科技關懷跨域整合計畫-跨領域技術協助健康照護器材產業發展計畫 | 主持人 | 960,000 | 經濟部技術處 | 2015/5/1~  2015/10/31 |
| 探討類赤足鞋在不同斜坡與速度下之跑步著地形態效應 (104CM-KMU-09) | 主持人 | 500,000 | 奇美高醫合作研究計畫 | 2015/5/1~  2016/4/30 |
| 協助排便輔具裝置之創新研發及臨床效益評估 | 主持人 | 306,000 | 微寶生技股份有限公司 | 2015/4/1~  2015/7/31 |
| 生醫與醫材轉譯加值人才培訓計畫-  新型攜帶式本體感覺評估裝置商品化認證暨創新服務模式建置  (MOST104-2321-B-006 -034) | 共同主持人 | 18,000,000 | 科技部 | 2015/04~迄今 |
| 教育部智慧生活創新創業育成平臺試辦計畫 | 協同主持人 | 8,000,000 | 教育部資訊及科技教育司 | 2015/02~  2016/02 |
| 機械性頸部失能症的機制與治療：從周圍到中樞等面向探討(NHRI-EX104-10204EI) | 主持人 | 1,074,000 | 國家衛生研究院 | 2015/1/1~  2015/12/31 |
| 新式自製三軸測力板效度評估及力分解演算法之開發  (NSYSUKMU104-P022) | 主持人 | 200,000 | 中山高醫合作研究計畫 | 2015/1/1~  2015/12/31 |
| 懸吊系統結合新式回饋訓練對下背痛患者療效之探討 | 主持人 | 275,000 | 天成高醫 | 2014/9/1~  2015/8/31 |
| 臺灣慢性腎疾病患者對於新型運動介入之接受度及其成效  (MOST103-2410-H-037-013-MY2) | 主持人 | 1,699,000 | 科技部 | 2014/8/1~  2016/7/31 |
| 以測力板追蹤懸吊式跑步機背向行走訓練對慢性中風患者平衡之療效  (MOST103-2221-E-110-050) | 共同主持人 | 646,000 | 科技部 | 2014/8/1~  2015/7/31 |
| 預防老年人跌倒的訓練器材開發之先期研究 | 主持人 | 300,000 | 財團法人自行車中心 | 2014/8/1~  2014/12/31 |
| 開發輪椅輪軸平衡和重量分佈之創新測量平臺(CZ-05-04-10-103) | 主持人 | 2,223,000 | 科技部南部科學工業園區管理局 | 2014/6/1~  2015/5/31 |
| 整合足壓、步態與踝關節本體感覺的創新型跌倒風險篩檢評估工具  (103-CCH-KMU-001) | 主持人 | 500,000 | 財團法人彰化基督教醫院暨高雄醫學大學 | 2014/6/1~  2015/5/31 |
| 103年度學界協助中小企業科技關懷跨域整合計畫-運動護具用品暨健康管理相關產業輔導平台 | 總主持人 | 840,000 | 經濟部 | 2014/5/1~  2014/10/31 |
| 運動功能評估及生理訊號處理之核心技術於產業之運用(2/3)  (NSC103-2622-B-037-002) | 主持人 | 2,300,000 | 國家科學委員會 | 2014/2/1~  2015/1/31 |
| 機械性頸部失能症的機制與治療：從周圍到中樞等面向探討(NHRI-EX103-10204EI) | 主持人 | 1,000,000 | 國家衛生研究院 | 2014/1/1~  2014/12/31 |
| 抬腿與伸展動作對血液動力學的影響與可能應用(NSYSUKMU103- P034) | 主持人 | 140,000 | 中山高醫合作研究計畫 | 2014/1/1~  2014/12/31 |
| 協助排便輔具裝置之創新研發及效益評估 | 主持人 | 190,000 | 微寶生技有限公司 | 2013/9/1~  2014/8/31 |
| 治療性多點觸控螢幕活動電腦化復健系統在中風病人上肢復健之應用--系統開發、可行性及治療成效分析  (NSC102-2320-B-037-003-MY3) | 共同主持人 | 3,581,000 | 國家科學委員會 | 2013/8/1~  2016/7/31 |
| 長期照顧機構失智老人之「輪椅彈力帶健身操」實證介入措施發展及成效評量(NSC102-2314-B037-054-MY2) | 共同主持人 | 2,353,000 | 國家科學委員會 | 2013/8/1~  2015/7/31 |
| 核心穩定運動與太極拳運動對於老年人核心肌群肌肉表現、核心穩定與平衡之訓練效果比較(NSC102-2314-B037-018) | 共同主持人 | 833,000 | 國家科學委員會 | 2013/8/1~  2014/12/31 |
| 隨機共振振動運動鞋墊研發與應用於射箭運動平衡控制訓練  (NSC102-2410-H-320-011) | 共同主持人 | 871,000 | 國家科學委員會 | 2013/8/1~  2014/7/31 |
| 抬腿動作對血液動力學的影響與可能應用(NSC102-2221-E-110-045) | 共同主持人 | 501,000 | 國家科學委員會 | 2013/8/1~  2014/7/31 |
| 探討環保床墊於應用上之減壓效果及末梢血流循環生理訊號影響 | 主持人 | 840,000 | 聯鴻興業有限公司 | 2013/4/1~  2014/3/31 |
| 運動功能評估及生理訊號處理之核心技術於產業之運用(1/3)  (NSC102-2622-B-037-001) | 主持人 | 2,300,000 | 國家科學委員會 | 2013/2/1~  2014/1/31 |
| 建立國軍足壓參數模式及鞋墊電腦輔助分析系統研發(NSC102-2623-E037-001-D) | 主持人 | 832,000 | 國家科學委員會 | 2013/1/1~  2013/12/31 |
| 機械性頸部失能症的機制與治療：從周圍到中樞等面向探討(NHRI-EX102-10204EI) | 主持人 | 1,510,000 | 國家衛生研究院 | 2013/1/1~  2013/12/31 |
| 多頻道周邊組織微循環量測系統開發與臨床評估參數的有效性驗證  (NSYSUKMU102-P032) | 主持人 | 258,000 | 中山高醫合作研究計畫 | 2013/1/1~  2013/12/31 |
| 新式正中神經滑動運動對於運動員腕隧道症候群療效和神經力學特性探討  (NSC101-2410-H-320-009-) | 共同主持人 | 753,000 | 國家科學委員會 | 2012/8/1~  2013/7/31 |
| 結合無線Zigbee動作感測模組之開發及其應用於老人跌倒定位監控  (NSC101-2622-E-269-012-CC3) | 共同主持人 | 439,000 | 國家科學委員會 | 2012/6/1~  2013/5/31 |
| 腰椎穩定壓力回饋系統以及即時壓力值之視覺與聽覺回饋軟體開發  (NSC101-2622-B-037-003-CC3) | 共同主持人 | 450,000 | 國家科學委員會 | 2012/6/1~  2013/5/31 |
| 發展新式自製測力板與演算法及其對老人平衡能力偵測的信效度探討  (NSYSUKMU 101-017) | 主持人 | 300,000 | 中山高醫合作研究計畫 | 2012/4/16~  2012/12/31 |
| 姿勢評量儀的研製及臨床試驗  (NSC101-2321-B-037-002) | 主持人 | 1,000,000 | 國家科學委員會 | 2012/1/1~  2012/12/31 |
| 電刺激改善駕駛者疲勞及打瞌睡情形 | 主持人 | 750,000 | 百方儀器有限公司 | 2011/10/1~  2012/9/30 |
| 軀幹肌群等長肌力測力器系統以及即時肌力大小之視覺回饋軟體開發  (NSC100-2622-B-037-001-CC3) | 共同主持人 | 790,000 | 國家科學委員會 | 2011/6/1~  2012/8/31 |
| 具創新及專一性特色之結合本體感覺評估及訓練系統在復健醫療應用  (NSC100-2321-B-037 -005) | 主持人 | 1,110,000 | 國家科學委員會 | 2011/1/1~  2011/12/31 |
| 銀髮族安全平衡鞋墊之研發與應用 | 主持人 | 200,000 | 紘觀國際有限公司 | 2010/10/1~  2011/6/30 |
| 國小學童軀幹姿勢動作量化及脊椎穩定動作訓練與互動式電子書介入效能評估(NSC99-2410-H-037-009-MY2) | 主持人 | 1,691,000 | 國家科學委員會 | 2010/8/1~  2012/7/31 |
| 懸吊訓練系統對稱性回饋軟體開發  (NSC99-2622-B-037-001-CC3) | 主持人 | 481,000 | 國家科學委員會 | 2010/6/1~  2011/5/31 |
| 年輕運動選手髕股關節疼痛的動作控制與物理治療介入之探討  (NSC99-2410-H-277-004) | 共同主持人 | 692,000 | 國家科學委員會 | 2010/8/1~  2011/7/31 |
| 熱敷護具之評估效益與設計 | 主持人 | 320,000 | 財團法人鞋類暨運動休閒科技研發中心 | 2010/3/1~  2010/11/30 |
| 以骨盆與薦腰椎動作及肌肉收縮特性探討國小學童背書包重量及運動訓練之效應(NSC98-2410-H-037-013) | 主持人 | 873,000 | 國家科學委員會 | 2009/8/1~  2010/7/31 |
| 職場辦公工具改良設計-- 輕鬆傾躺辦公椅及鍵盤滑鼠護腕墊  (NSC98-2622-B-037-003-CC3) | 主持人 | 969,000 | 國家科學委員會 | 2009/7/1~  2010/6/30 |
| 輪椅前輪翹起之生物力學分析及研發新式防後傾倒桿與應用之研究  (NSC98-2320-B-037-006-MY3) | 共同主持人 | 3,463,000 | 國家科學委員會 | 2009/8/1~  2012/7/31 |
| 乳癌婦女接受腹直肌皮辦重建乳房手術：對腹部肌群機能之影響與運動治療之效果(NSC98-2314-B-037-008-MY2) | 共同主持人 | 1,628,000 | 國家科學委員會 | 2009/8/1~  2011/7/31 |
| 多功能四肢協調度評估訓練器  (NSC97-2622-B-037-003-CC3) | 主持人 | 457,000 | 國家科學委員會 | 2008/8/1~  2009/7/31 |
| 提升職場女性穿著高跟鞋舒適性之設計考量與其公眾接受性之調查研究  (NSC97-2629-E-037-001) | 主持人 | 897,000 | 國家科學委員會 | 2008/8/1~  2009/7/31 |
| 走路步寬變異在復健治療的應用 | 共同主持人 | 240,000 | 財團法人奇美醫院 | 2008/10/1~  2009/9/30 |
| 不同脊椎穩定動作與支持面對肌肉活化型態的影響:以單側選擇(CMFHR9757) | 共同主持人 | 315,200 | 財團法人奇美醫院 | 2008/10/1~  2009/9/30 |
| 棒球運動項目的動作分析與指導應用(7301XSY20) | 主持人 | 550,000 | 財團法人工業技術研究院 | 2008/5/1 ~  2008/12/31 |
| 傳統運動對老年人動作控制成效及其可能機制的探討(97-CCH-KMU-006) | 主持人 | 494,760 | 財團法人彰化基督教醫院暨高雄醫學大學 | 2008/1/1 ~  2008/12/31 |
| 機械性頸部失能症的生物力學及神經生理學探討(NHRI-EX97-9713EC) | 主持人 | 4,776,000 | 國家衛生研究院 | 2008/1/1~  2011/12/31 |
| 太極拳訓練對於健康老年人踝關節本體感覺的效應(NSC96-2314-B-037-060) | 共同主持人 | 580,000 | 國家科學委員會 | 2007/8/1~  2008/7/31 |
| 多型態運動療法對於功能性踝關節不穩病人於功能性活動效應之探討  (NSC96-2314-B277-001) | 共同主持人 | 670,000 | 國家科學委員會 | 2007/8/1~  2008/7/31 |
| 動力鏈運動對肘關節受力影響之生物力學分析(NSC96-2221-E-037-002-MY3) | 共同主持人 | 1,906,000 | 國家科學委員會 | 2007/8/1~  2010/7/31 |
| 輪椅座椅面傾斜及新式輪椅硬式靠背對輪椅推動效益之生物力學分析  (NSC96-2320-B-037-020-MY2) | 共同主持人 | 1,792,000 | 國家科學委員會 | 2007/8/1~  2009/7/31 |
| 機械協助式兩側性上肢阻力訓練對中風病人上肢動作功能之療效分析  (NSC96-2314-B037-029-MY3) | 共同主持人 | 2,270,000 | 國家科學委員會 | 2007/8/1~  2010/7/31 |
| 不同傳統運動項目之效能和安全性評估(DOH96-TD-M-113-004- (2/2)) | 主持人 | 700,000 | 衛生署 | 2007/1/1 ~ 2007/12/31 |
| 兩款新型家用式本體感覺及肌力訓練器之研製(NSC96-2622-B-037-002-CC3) | 主持人 | 300,000 | 國家科學委員會 | 2007/5/1~  2008/4/30 |
| 運動處方軟體開發  (NSC96-2524-S-037-001-EC3) | 主持人 | 542,000 | 國家科學委員會 | 2007/5/1~  2008/4/30 |
| 省力最佳化輪椅研究(NHRI-EX96-9617EI) | 協同主持人 | 4,413,000 | 國家衛生研究院 | 2007/1/1 ~ 2009/12/31 |
| 中、短期之連續太極拳訓練對於健康老年人姿勢控制的效應---以跨越障礙和穿褲動作為探討方式(NSC95-2314-B037-066) | 共同主持人 | 783,000 | 國家科學委員會 | 2006/8/1 ~ 2007/7/31 |
| 肩關節不穩定病人內外轉肌耐力及疲勞特徵之探討(NSC95-2314-B037-104) | 共同主持人 | 684,000 | 國家科學委員會 | 2006/8/1 ~ 2007/7/31 |
| 三段式升降定位動力螺桿應用於電動輪椅上(NSC95-2622-B037-001-CC3) | 共同主持人 | 400,000 | 國家科學委員會 | 2006/5/1 ~ 2007/4/31 |
| 不同傳統運動項目之效能和安全性評估(DOH95-TD-M-113-019-(1/2)) | 主持人 | 700,000 | 衛生署 | 2006/1/1 ~ 2006/12/31 |
| 新型本體感覺平衡訓練器研製  (NSC 94-2622-B-037-001-CC3) | 主持人 | 400,000 | 國家科學委員會 | 2005/11/1- 2006/10/31 |
| 不同斜坡及速度慢跑對足部運動學和足底壓力的效應 (NSC 94-2320-B-037-017) | 主持人 | 470,000 | 國家科學委員會 | 2005/8/1 ~ 2006/7/31 |
| 急性外踝關節扭傷後運動感覺系統及功能性活動受損之探討---一年期追蹤  (NSC94-2314-B277-003) | 共同主持人 | 448,000 | 國家科學委員會 | 2005/8/1 ~ 2006/7/31 |
| 肩關節內外轉肌疲勞特徵探討  (NSC 93-2320-B-037-055- ) | 主持人 | 500,000 | 國家科學委員會 | 2004/8/1 ~ 2005/7/31 |
| 慢跑之生物力學探討  (NSC92-2320-B-277-003- ) | 主持人 | 386,000 | 國家科學委員會 | 2003/8/1 ~ 2004/7/31 |
| 不同斜坡跑步的生物力學效應  (TCCT-91A22) | 主持人 | 180,000 | 慈濟技術學院 | 2003/1/1 ~ 2003/12/31 |

**專利**

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| 專利類別 | 專利名稱 | 專利國家 | 專利號碼 | 專利發明人 | 專利權期間 |
| 發明專利 | 壓電刺激元件、具有該壓電刺激元件之壓電刺激器、鞋墊 | 中華民國 | I569742 | 楊志鴻、陳新源、林光華、**郭藍遠**、程政群 | 2017/02/11-  2035/10/07 |
| 發明專利 | 多軸的負荷力及重心量測裝置 | 中華民國 | I530275 | **郭藍遠**、嚴成文、廖麗君、程政群 | 2016/04/21-  2035/08/27 |
| 發明專利 | 多軸的負荷力及重心量測裝置 | 世界專利(PCT) | PCT/CN2015/  088390 | **郭藍遠**、嚴成文、廖麗君、程政群 | 2015/08/28-  2018/02/28 |
| 發明專利 | 軀幹肌群之等長肌力量測裝置  (NSC100-2622-B-037-001-CC3) | 中華民國 | I468151 | 廖麗君、蔡鏞申、徐阿田、**郭藍遠**、廖健芬、程政群 | 2015/01/11-  2032/04/16 |
| 發明專利 | 用於超音波探測頭之感應夾具 | 中華民國 | I389673 | 楊志鴻、蘇芳慶、**郭藍遠**、李文禮、張志仲、梁忠紹、程政群 | 2013/3/21-  2029/11/26 |
| 發明專利 | 雙軸負重式踝關節本體感覺評估裝置 | 中華民國 | I287977 | **郭藍遠**、蘇芳慶、楊志鴻、吳汶蘭、張志仲、林槐庭、程政群 | 2007/10/11- 2026/06/13 |
| 發明專利 | 可控制式之下肢本體感覺平衡裝置  (NSC94-2622-B-037-001-CC3) | 中華民國 | I283571 | **郭藍遠**、蘇芳慶、楊志鴻、吳汶蘭、張志仲、林槐庭、程政群 | 2007/07/11- 2025/10/11 |
|  | | | | | |
| 新型專利 | 人體肌群穩定壓力回饋系統 | 中華民國 | M453139 | 廖麗君、侯易佑、**郭藍遠**、蔡泰欣 | 2013/05/11-  2022/12/27 |
| 新型專利 | 可快拆之硬式輪椅靠背 | 中華民國 | M335278 | 楊育昇、張志仲、**郭藍遠**、程政群 | 2008/07/01-  2018/01/06 |
| 新型專利 | 可調阻力之拉引器  (NSC96-2622-B-037-002-CC3) | 中華民國 | M322268 | **郭藍遠**、蘇芳慶、楊志鴻、陳勝凱、張志仲、吳汶蘭、林槐庭、程政群 | 2007/11/21- 2017/05/03 |
| 新型專利 | 手臂擺動靈活性測試裝置 | 中華民國 | M312337 | 施邦英、**郭藍遠** | 2007/05/21 - 2016/12/06 |
| 新型專利 | 平衡訓練器  (NSC96-2622-B-037-002-CC3) | 中華民國 | M311444 | **郭藍遠**、施邦英、蘇芳慶、楊志鴻、吳汶蘭、張志仲、林槐庭、程政群 | 2007/05/11- 2016/11/29 |

**技術移轉**

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| 技術名稱 | 專利名稱 | 授權單位 | 被授權單位 | 簽約日期 | 計畫編號 |
| 前庭系統功能評估及復健智慧裝置開發 | 前庭系統功能評估及復健智慧裝置開發 | 高雄醫學大學 | 杰適美企業有限公司 | 2016/11~  2019/11 | BZ-17-08-29-104 |
| 輪椅輪軸平衡和重量分佈之創新測量平臺 | 輪椅輪軸平衡和重量分佈之創新測量平臺 | 高雄醫學大學 | 杰適美企業有限公司 | 2015/05~  2020/05 | CZ-05-04-10-103 |
| 「可控制式之下肢本體感覺平衡裝置、雙軸負重式踝關節本體感覺評估裝置、平衡訓練器、可調阻力之拉引器」 | 可控制式之下肢本體感覺平衡裝置、雙軸負重式踝關節本體感覺評估裝置、平衡訓練器、可調阻力之拉引器 | 高雄醫學大學 | 百方儀器有限公司 | 2011/09～  2014/08 | NSC94-2622-B-037-001  NSC96-2622-B-037-002 |
| 懸吊訓練系統對稱性回饋軟體開發 | 懸吊訓練系統對稱性回饋軟體開發 | 高雄醫學大學 | 合閔有限公司 | 2010/08~  2013/08 | NSC99-2622-B-037 -001 -CC3 |
| 職場辦公工具改良設計-- 輕鬆傾躺辦公椅及鍵盤滑鼠護腕墊 | 職場辦公工具改良設計-- 輕鬆傾躺辦公椅及鍵盤滑鼠護腕墊 | 高雄醫學大學 | 合閔有限公司 | 2009/08~  2012/08 | NSC98-2622-B-037 -003 -CC3 |

**著作**

1. **期刊論文**
2. Wu C.Y, Yang Y.T, Lo P.Y, **Guo L.Y\***, Sep 2017, “Effects of respiratory muscle training on exercise performance in tennis players”, Medicina Dello Sport, 70(3):318-27. (SCI, MEDICINE, GENERAL & INTERNAL, 0.202, 148/155=95.5%, ***NSC 102-2815-C-037-005-H***)
3. Hong C.Y, **Guo L.Y**, Song R, Nagurka M.L, Sung J.L, Yen C.W, June 2017, “Developing a Low-Cost Force Treadmill via Dynamic Modeling”, Journal of Healthcare Engineering, 2017 (2017):1-9. (**SCIE**, HEALTH CARE SCIENCES & SERVICES, 0.965, 80/90=88.9%)
4. Su H, Chang N.J, Wu W.L, **Guo L.Y**, Chu I.H, 2016, “Acute effects of foam rolling, static stretching, and dynamic stretching during warm-ups on muscular flexibility and strength in young adults”, Journal of Sport Rehabilitation. (Accepted, **SCI**, REHABILITATION, 1.612, 24/65=36.9%)
5. Yang, C.C, Su F.C, Yang P.C, Lin H.T, **Guo L.Y\***, Dec 2016, “Characteristics of the Motor Units during Sternocleidomastoid Isometric Flexion among Patients with Mechanical Neck Disorder and Asymptomatic Individuals”, PLOS ONE, 11(12): e0167737. (Correspondence Author, **SCI**, MULTIDISCIPLINARY SCIENCES, 3.057, 11/63=17.5%, ***NHRI-EX103-10204EI***)
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**(B) 研討會論文**

**(Overseas)**

1. Yang C.C, **Guo L.Y\***, 2017, “Clinical Practicability of Cervical Workspacep for Participants with Neck Pain”, The 23rd Congress of the European Society of Biomechanics, Sevilla , Spain, July 2-5. (Poster, NHRI-EX103-10204EI & MOST105-2815-C-037-045-H)
2. Lin Y.J, Cheng Y.T, Hsiao S.M, **Guo L.Y\***, Kuo M.C, 2016, “Investigation of the exercise barriers with CKD patients: Physical Fitness and Attitude for exercise”, The 6th ISPAH International Congress on Physical Activity and Public Health, Bangkok, Thailand, November 16-19. (Poster, MOST103-2410-H-037-013-MY2)
3. Li J.Y, **Guo L.Y\***, 2016, “Immediate effects of elastic knee braces on frontal plane motion biomechanics in healthy men”, 21th Annual European College of Sport Science Congress, Vienna, Austria, July 6-10. (Mini Oral)
4. Yang P.C, Yang C.C, Chang Y, **Guo L.Y\***, 2016, “Investigation of Oxygenation Difference during Sternocleidomastoid Isometric Contraction for Clients with Mechanical Neck Disorder”, XXI Congress of the International Society of Electrophysiology and Kinesiology, Chicago, USA, July 5-8. (Poster, ***NHRI-EX103-10204EI***)
5. Su W.Y, **Guo L.Y\***, Yen C.W, Wu L.Y, 2016, “Validation Study for Novel Designed Tri-Axis Force Plate and Development of Algorithm for Decomposing Ground Reaction Force On A Single Force Plate”, The 6th International Conference on the Development of Biomedical Engineering in Vietnam, Ho Chi Minh City, Vietnam, June 27-29. (Poster)
6. Yang B.C, Yang C.C, **Guo L.Y\***, 2015, “Effect of Stretch and Massage Therapy on Oxygen Saturation Change of Mechanical Neck Disorder”, The 30th Japanese Conference on the Advancement of Assistive and Rehabilitation Technology, Okinawa, Japan, November 13-15. (Poster)
7. **Guo L.Y\***, Wang S.T, Hsu Y.C, Yeh Y.H, Yu Y.L, Yang C.H, 2015, “Reliability and Validity of a Novel 3-Dimentional Body Posture Evaluation System”, 8th Asian-Pacific Conference on Biomechanics, Sapporo, Japan, September 16-19. (Oral, ***NSC101-2321-B-037-002***)
8. Yang B.C, Yang C.C, Chen T.H, Su F.C, **Guo L.Y\*** , 2015, “Investigation of Motor Unit Short-Term Synchronization in Sternocleidomastoid Muscles”, 20th Annual Congress of the European College of Sport Science, Malmo, Sweden, June 24-27. (Oral)
9. Yang C.C, Chiu C.N, Su F.C, **Guo L.Y\***, 2014, “Characteristics of Motor Units of the Sternocleidomastoid Muscle during Cervical Isometric Flexion”, The XX Congress of the International Society of Electrophysiology and Kinesiology, Rome, Italy, July 15-18. (Oral)
10. Lee Y.C, Yang C.H, **Guo L.Y\***, 2014, “Application of Postural Correction Biofeedback Training for Clients with Mechanical Neck Disorder”, 13th International Symposium on 3D Analysis of Human Movement, Lausanne, Switzerland, July 14-17. (Poster))
11. Chiu C.N, Lee Y.C, **Guo L.Y\***, 2014, “The Effects of Kinesio Taping on Muscular Endurance of Deep Neck Flexors for Subjects with Forward Head Posture：A Pilot Study”, 19th Annual Congress of the European College of Sport Science, Amsterdam, Netherlands, July 2-5. (Oral)
12. Lo P.Y, Su B.L, Hong J.Y, Lin N.H, Yan C.W, **Guo L.Y\***, 2014, “The Age Difference on the Reliability While Measuring Postural Sway with Quiet Standing”, 19th Annual Congress of the European College of Sport Science, Amsterdam , Netherlands, July 2-5. (Oral)
13. Wu C.Y, Yang C.H, **Guo L.Y\***, 2014, “Effects of Respiratory Muscle Training on Exercise Performance for Tennis Players: A Pilot Study”, 19th Annual Congress of the European College of Sport Science, Amsterdam, Netherlands, July 2-5. (Poster)
14. Lai S.W, Lin H.Y, Harn I.C, **Guo L.Y\***, 2014, “The Short Term Effect of Sport Aqua-Titanium necklace on Heart Rate Variability and Skin Temperature”, The 61th Annual Meeting of American College of Sports Medicine, Orlando, Florida, USA, May 27-31. (Poster)
15. Lai Y.H, Lin Y.J, Feng Y.C, **Guo L.Y\***, Yen C.W, 2014, “Comparison Pulse Wave Velocity of Peripheral Tissue between Diabetic and non-Diabetic Subjects”, The 61th Annual Meeting of American College of Sports Medicine, Orlando, Florida, USA, May 27-31. (Poster, ***NSYSUKMU102-P032***)
16. Lee Y.C, Yang C.C, **Guo L.Y\***, 2013, “Application of Postural Correction Biofeedback Training for Clients with Mechanical Neck Pain”, The 7th Asian Pacific Conference on Biomechanics, Seoul, Korea, Aug 29-31. (Poster, ***NHRI-EX102-10204EI***)
17. Yang C.C, Su F.C, **Guo L.Y\***, 2013, “Comparison of Neck Movement Smoothness between Clients with Mechanical Neck Disorder and Asymptomatic Individuals Using Spectrum Entropy Method”, 2013 International Society of Biomechanics Congress, Natal, Brazil, August 4-9. (Poster, ***NHRI-EX102-10204EI***)
18. Lin C.F, Yang C.H, **Guo L.Y\***, 2013, “Effects of Different Kinesio Taping Methods on Neck Muscles Strength for Clients with Mechanical Neck Disorders”, 2013 International Society of Biomechanics Congress, Natal, Brazil, August 4-9. (Poster, ***NHRI-EX102-10204EI***)
19. You Y.L, Lin C.F, Su F.C, **Guo L.Y\***, 2013, “The Difference of Biomechanics on Walking Step Width Variability”, 2013 International Society of Biomechanics Congress, Natal, Brazil, August 4-9. (Oral)
20. Wu C.Y, Yang C.H, Wang S.T, **Guo L.Y\***, 2013, “Effect of Respiratory Muscle Training on physical performance other than physical cardiopulmonary function: A Pilot Study”, The 60th Annual Meeting of American College of Sports Medicine, Indianapolis, USA, May 28-June 1. (Poster)
21. Lo P.Y, Su B.L, Hong C.Y, Lin N.H, Wang S.T, Yen C.W, **Guo L.Y\***, 2013, “Reliability for Measuring the Center of Pressure Using the Novel Designed Force Plate”, The 60th Annual Meeting of American College of Sports Medicine, Indianapolis, USA, May 28-June 1. (Poster)
22. Chen S.W, Chen P, **Guo L.Y\***, 2013, “A Study of Peripheral Autonomic Features of Younger Populations With Family History of Hypertension”, The 60th Annual Meeting of American College of Sports Medicine, Indianapolis, USA, May 28-June 1. (Poster)
23. Lin Y.J, Chen S.W, Huang C.C, **Guo L.Y\***, 2013, “Investigation of the Relationship between Inter-limbs Coordination Abilities for Young Adult”, The 60th Annual Meeting of American College of Sports Medicine, Indianapolis, USA, May 28-June 1. (Poster, ***NSC 97-2622-B-037-003-CC3***)
24. Yang C.H, Huang J.J, **Guo L.Y**, Tsao H, 2012, “High Variability in Activation of Gluteus Medius During Dynamic Activity in People with Patellofemoral Pain Syndrome”, XIX Congress of the International Society of Electrophysiology and Kinesiology, Brisbane, Australia, July 19-22, 2012. (Poster, ***NSC 99-2410-H-277-004***)
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2. Wu L.Y., Lai Y.H., Su W.Y., Young B.C., Yen C.W., **Guo L.Y.\***, 2015, “A Decomposition Algorithm of the Vertical Ground Reaction Forces for the Single Force Plate”, 2015 Annual Symposium on Biomedical Engineering and Technology, Taipei, Taiwan, Nov. 13-14. (Oral)
3. Lin Y.J, **Guo L.Y\***, 2015, “The Association of Physical Activity and Physical Function with Clinical Outcomes in Adults with Chronic Kidney Disease”, 3rd International Conference on Health Literacy and Healthcare Efficiency, Tainan, Taiwan, Nov 9-11. (Poster, MOST103-2410-H-037-013-MY2)
4. Lin Y.J, **Guo L.Y**, Feng Y.C, Lai Y.H, Yen C.W, 2015, “Comparison pulse wave velocity and pulse transit time of artery between diabetic and no diabetic subjects”, The International Conference on Health Literacy and Healthcare Efficiency, Tainan, Taiwan, Nov. 9-11. (Oral)
5. Wang S.M., Wu C.Z., Lin Y.J., **Guo L.Y.\***, 2015, “Muscle Activation of Using a Suspension Training System During the Rectus Femoris Training”, The Annual Scientific Symposium if Taiwan Society of Biomechanics, Kaohsiung, Taiwan, Oct. 16. (Oral)
6. Wu C.C., Lin Y.J., **Guo L.Y.\***, 2015, “Comparison of Validation between ActiGraph and Oserio Pedometer”, the Annual Scientific Symposium if Taiwan Society of Biomechanics, Kaohsiung, Taiwan, Oct. 16. (Poster)
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11. Yang C.C, Yang B.C, Chen T.H, Su F.C, **Guo L.Y\***, 2015, “Investigation of Motor Unit Short-term Synchronization in Sternocleidomastoid Muscles in Asymptomatic Individuals and Clients with Mechanical Neck Disorder”, 2015 Biomedical Research Symposium of National Health Research Institutes, Hsinchu, Taiwan, Aug 10-11. (Poster, ***NHRI-EX104-10204EI***)
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17. Lo P.Y, Su B.L, Hong C.H, Lin N.H, Wang S.T, Yen C.W, **Guo L.Y\***, 2012, “Using the Novel Designed Force Plate in Investigating its Reliability for Measuring the Balance Ability among the Young Adults”, 2012 Sport Technology Application Contest, Taichung, Taiwan, Dec 06, 2012. (**Paper Award**, ***NSYSUKMU 101-017***)
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38. Lin C.F, Yang C.H, **Guo L.Y\***, 2011, “Effects of Different Kinesio Taping Methods for Subjects with Mechanical Neck Disorder”, 2011 Annual Symposium on Biomedical Engineering and Technology, Tainan, Taiwan, Aug 19-20, 2011. (Oral, ***NHRI-EX100-9713EC***)
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42. Chang C.H, Huang C.C, Hou Y.Y, Chao K.H, Li Y.C, **Guo L.Y\***, 2010, “The Effect of Different Hotpack on Skin Surface Temperature and Blood Flow of the Knee”, 2010 Annual Conference Biomedical Engineering, 10-11 Dec, 2010. (Poster)
43. Wu T.Y, Dai Y.S, Chen H.M, Huang P.C, **Guo L.Y**, Yang C.H, 2010, “Patellofemoral Joint Mobilization Altered Activation of Vastus Muscles During Dynamic Activities”, 2010 Taiwanese Society of Biomechanics and Taiwan Society of Biomechanics in Sports, 29-30 Oct, 2010. (Oral)
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54. Ting Y.T, Wang Y.L, Su F.C, **Guo L.Y\***, 2009, “The Muscle Activation and Body Balance Patterns for Different Spinal Stabilization Movements and Leg Supports”, The Biomedical Engineering Society 2009 Annual Symposium, Taipei, Taiwan, Dec 11-12.( Poster)
55. **Guo L.Y\***, Chao G.H, Chou S.L, Chen S.K, Yang C.H, 2009, “Ankle Proprioception Characteristics of Ballet Dancers During Functional Standing Position”, The Biomedical Engineering Society 2009 Annual Symposium, Taipei, Taiwan, Dec 11-12.( Poster, ***NSC98-2815-C-037-016-B***)
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61. Yu Y.L, Lin C.F, Wang S.T, Yang C.H, **Guo L.Y\***, 2009, “Biomechanics Analysis of Lower Extremity When Wearing High-heeled Shoes”, 2009 International Symposium on Biomechanics Combined with the Annual Scientific Meeting of Taiwanese Society of Biomechanics, Taipei, Taiwan, Dec 10-11.( Poster, ***NSC97-2629-E-037-001***)
62. Chen R.P, Hsu K.J, Wu Y.J, Lin Y.Y, Huang J.Y, Yang C.H, **Guo L.Y\***, 2009, “Distribution Difference of Foot Plantar Pressure during Level Walking in Young Obese and Non-obese Individuals”, 58th Scientific Conference of Association of Physical Therapy R.O.C, Taipei, Taiwan, 7 March, 2009.( Poster)
63. Lin W.Y, Liu Y.H, Tsai Y.J, Huang C.C, Chen C.C, Yang C.H, **Guo L.Y\***, 2009, ”Different Kinematic Patterns of Upper Extremity during Pitching Movement between Amateur and Professional Baseball Players”, 58th Scientific Conference of Association of Physical Therapy R.O.C, Taipei, Taiwan, March 7.( Poster)
64. Yang J.B, Tsai Y.J, Leong I.T, Wu W.L, Lin H.T, **Guo L.Y\*,** 2009, ”Motor Control Effects of Traditional Exercise for the Elderly Subjects and Its Possible Underlying Mechanisms”, 58th Scientific Conference of Association of Physical Therapy R.O.C, Taipei, Taiwan, March 7.( Poster)
65. Tsai Y.J, Liu Y.Y, Lee S.Y, Fu Y.C, Chang W.N, **Guo L.Y.**, 2008, “Effect of Postural Control from Continuous Tai-Chi Chuan Training in the Elderly Subjects”, Congress of Taiwanese Society of Biomechanics, R.O.C, Nov 1. (Oral)
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67. Lee S.Y, Lo W, Yang C.H, Wu W.L, Lin H.T, **Guo L.Y.**, 2008, “Initial Effects on Plantar Pressure Pattern Wearing High-heel Shoe during Slow Running”, Congress of Taiwanese Society of Biomechanics, R.O.C, Nov 1. (Poster)
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69. Cheng C.L, Lee S.Y, Yang C.H, **Guo L.Y.**, 2008, “The Effect on the Shoulder-Neck Muscles Activity on Different Mouse Operation Positions”, 56th Scientific Conference of Association of Physical Therapy R.O.C, Taipei, Taiwan, March 30. (Poster)
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71. Yang C.C, Yang C.H, Lee S.Y, Yang C.H, **Guo L.Y.**, 2008, “Neck Mobility Difference between Different Genders”, 56th Scientific Conference of Association of Physical Therapy R.O.C, Taipei, Taiwan, March 30. (Poster)
72. Huang J.J, **Guo L.Y**, Yang C.H\*, Liang C.C, Yu T.C, 2008, “Do Self-reported Foot and Ankle Outcome Score, Sensorimotor and Functional Impairments Change in People with Acute Lateral Ankle Sprains? A Six-month Follow-up Investigation”, 56th Scientific Conference of Association of Physical Therapy R.O.C (Taiwan), Taipei, Taiwan, 30 March.(Poster, ***NSC 94-2314-B-277-003***)
73. Tseng K.L., Lin H.T., Wang L.H., Wu W.L., **Guo L.Y.**, 2007, “The Dynamic Balance in Different Skill Level Players in Tennis Forhand Stroke”, Congress of Taiwanese Society of Biomechanics, R.O.C, Tainan, Taiwan, Dec 21. (Oral)
74. Lai S.Q, Lee W.L, Shi J.Y, **Guo L.Y**, Yang C.H\*, 2007, “Is Reduction of Blood Flow around Patella with Different Seat Postures?”, Congress of Taiwanese Society of Biomechanics, R.O.C, Tainan, Taiwan, Dec 21. (Poster, ***NSC 96-2524-S- 037-001-EC3*** )
75. Leong I.T, Tsai Y.J, Yang C.H, **Guo L.Y\***, 2007, “Spectrum Distribution of Skin Blood Flow after Chinese Traditional Exercise”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 21. (**Poster paper Award**, ***DOH96-TD-M-113-004-(2/2)***)
76. Leong I.T, Tsai Y.J, Yang C.H, **Guo L.Y\***, 2007, “Wai Tan Kung and Yuan Chi Dance Can Strengthen the Lower Extremity Muscles”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 21. (**Poster Paper Competition Winner**, ***DOH96-TD-M-113- 004-(2/2)***)
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78. Lee S.Y, Liu H.L, Yang C.H, **Guo L.Y\***, 2007, “Dynamic Plantar Pressure Patterns During Level Walking with Wearing Different Base Sizes of High-heel Shoes”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 21. (Poster)
79. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, **Guo L.Y\***, 2007, “The Initial Effects of Chinese Traditional Exercise on Heart Rate Variability”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 21. (**Poster Paper Award**, ***DOH96-TD-M-113-004-(2/2)***)
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81. Ting Y.T, Lin H.T, Wu W.L, **Guo L.Y**, 2007, “Effect of Different Ankle Taping and Cadence in Muscle Activation During Gait”, 2007 Annual Symposium on Biomedical Engineering and Technology, Dec 14-15. (Poster)
82. Yang C.C, Yang C.H, Yang C.H, **Guo L.Y\***, 2007, “Measurement of Cervical Mobility and its Combined Motion Using Electromagnetic Tracking Device”, 2007 Annual Symposium on Biomedical Engineering and Technology, Dec 14-15. (Poster)
83. Yang L.C, Lee S.Y, Yang C.H, **Guo L.Y\***, 2007, “Alterations in Plantar Pressure Patterns after Ankle Taping during Landing”, 2007 Annual Symposium on Biomedical Engineering and Technology, Dec 14-15. (Poster)
84. Lee S.Y, Liu H.L, Yang C.H, **Guo L.Y\***, 2007, “Dynamic Plantar Pressure Patterns During Level Walking with Wearing Different Base Sizes of High-heel Shoes”, 2007 Annual Symposium on Biomedical Engineering and Technology, Dec 14-15. (Poster)
85. Gong W.Y, Jenp W.Z, You Q.Y, Chen Y.Y, **Guo L.Y**, Yang C.H\*, 2007, “Effects of Fibular Repositioning Taping on Spatial-temporal Characteristics during Level Walking in Individuals with Functional Ankle Instability”, 55th Scientific Conference of Association of Physical Therapy R.O.C, Kaohsiung, Taiwan, October 20.
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87. Yang L.C, Lee S.Y, Yang C.H, **Guo L.Y\***, 2007, “Plantar Pressure Pattern after Ankle Taping during Hopping”, The 55th Academic Conference of The Physical Therapy Association of R.O.C, Oct 20. (Poster)
88. Li K.H, Chou H.C, Shih P.Y, **Guo L.Y\***, 2007, “Reliability of Automatic Coordination Measurement System for Upper Extremity”, The 55th Academic Conference of The Physical Therapy Association of R.O.C, Oct 20. (Poster)
89. Lee S.Y, Liu H.L, Yang C.H, **Guo L.Y\***, 2007, “Dynamic Plantar Pressure Patterns During Level Walking with Wearing Different Base Sizes of High-heel Shoes”, The 55th Academic Conference of The Physical Therapy Association of R.O.C, Oct 20. (Poster)
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94. Gong W.Y, Deng H.R, Hsu H.M, Tsao H, **Guo L.Y**,Yang C.H, “Visual Effect On Saptio-Temporal Characteristics of Level Walking In Young Healthy Subjects”, 54th Scientific Conference of Association of Physical Therapy R.O.C (Taiwan), Taipei, Taiwan, April 22, 2007.
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97. Yang C.C,Yang C.H, Yang C.H, **Guo L.Y\***, 2007, “Application of Electromagnetic Tracking Device on Neck Mobility Measurement”, The 54th Academic Conference of The Physical Therapy Association of R.O.C, April 22. (***NSC96-2815-C-037-013-B***)
98. Leong I.T, Tsai Y.J, Yang C.H, **Guo L.Y\***, 2007, “Changes of Spectrum Distribution of the Laser Doppler Perfusion Signal in Human Skin after Chinese Traditional Exercise”, The 22nd Academic Combined Conference of The Biomedical Science, Mar 17-18. (Oral, ***DOH96-TD-M-113-004-(2/2)***)
99. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, **Guo L.Y\***, 2007, “The Initial Effects of Chinese Traditional Exercise on Heart Rate Variability”, The 22nd Academic Combined Conference of The Biomedical Science, Mar 17-18. (Oral, ***DOH96-TD-M-113-004-(2/2)***)
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101. Huang C.J, Chang J.J, Wu J.H, **Guo L.Y**, Lin H.T, and Wu W.L, 2006, “Kinematic Wrist and Thumb Posture Analysis of School Children during the Manipulation of the Mouse”, Annual Meeting of Society of Biomedical Engineering, R.O.C, Dec 14-16.
102. Ho I.J, Lee S.Y, Yang C.H, and **Guo L.**Y, 2006, “Investigation on Plantar Pressure Pattern While Jogging in Different Speed and Incline Conditions”, Annual Meeting of Society of Biomedical Engineering, R.O.C, Dec 14-16.
103. Lin W.Y, Lee S.Y, Yang C.H, and **Guo L.Y**, 2006, “The Initial Influence on the Plantar Pressure Pattern During Different Step Width Walking”, Annual Meeting of Society of Biomedical Engineering, R.O.C, Dec 14-16.
104. Lee S.Y, Chen C.H, and **Guo L.Y**, 2006, “The Effect of Plantarflexor Dynamic Stretch on Pressure Distribution in People with Stroke”, Annual Meeting of Society of Biomedical Engineering, R.O.C, Dec 14-16.
105. Yang C.H, **Guo L.Y**, Tsao H, Deng H.R, Gong W.Y, 2006, “ Lower Limb Muscle Activation in Patients with Functional Ankle Instability during Drop Landings”, Congress of Taiwanese Society of Biomechanics, Tainan, Taiwan, Dec 9. (Oral)
106. Leong I.T, Tsai Y.J, Yang C.H, and **Guo L.Y**, 2006, “Spectral Analysis of the Laser Doppler Perfusion Signal in Human Skin after 20-Minute Light Aerobic Exercise”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 9. (Oral, ***DOH95-TD-M-113-019- (1/2)***)
107. Ho I.J, Lee S.Y, Yang C.H, and **Guo L.Y**, 2006, “Effects on Plantar Pressure for Different Incline and Speed Jogging”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 9. (Oral**,** ***NSC94-2320-B-037-017***)
108. Tsai Y.J, Leong I.T, Chen C.C, Cheng C.M, and **Guo L.Y**, 2006, “The Immediate Effects on the Heart Rate Variability after 20-minute Aerobic Exercise”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 9. (**Oral Paper Competition Winner**)
109. Lin W.Y, Lee S.Y, Yang C.H, and **Guo L.Y**, 2006, “The Initial Effects of Controlled Step Width on the Plantar Pressure Pattern During Level Walking”, Congress of Taiwanese Society of Biomechanics, R.O.C, Dec 9. (**Oral Paper Award**)
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118. **Guo L.Y**, Wang S.H, Wu W.L, Yang C.H ,Su F.C, 2004, “Biomechanical Investigation of Jogging”, 2004 Annual Conf of Chinese Bio Med Eng, Tainan, Taiwan, Dec 17-18. (Poster) **(*NSC92-2320-B-277-003*)**
119. **Guo L.Y**, Su F.C, An K.N, 2000, “Optimum Analysis in Different Wheelchair Handrim Diameter”, 2000 Annual Conf. of Chinese Bio Med Eng. Taipei, Taiwan, Dec 15-16. **(Poster Paper Competition Winner)**
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121. **Guo L.Y**, Su F.C, Chou Y.L , Lin C.J, Cherng R.J, 1996, "Gait Analysis for Children with Cerebral Palsy", 1996 Annual Conf of Formosan Society of Biomechanics, Taipei, Taiwan, Dec. 21.
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1. **Guo L.Y**, “Gait Analysis for Children with Cerebral Palsy”, 1996, Master dissertation, Institute of Biomedical Engineering, National Cheng-Kung University, Taiwan
2. **Guo L.Y**, “Load Optimization in Wheelchair Propulsion”, 2003, PhD dissertation, Institute of Biomedical Engineering, National Cheng-Kung University, Taiwan
3. **郭藍遠**, 2007, "關節", 實用解剖與生理學, 王鐘賢總校閱, 台中：華格那。

## 教學經歷

目前授課課程（列舉）

研究所

MSTM3運動醫學特論

MEBI0運動傷害實證醫學

MSTA4運動傷害防護特論

MEBT2 運動生物力學儀器分析與應用

MEHP0 高齡健康促進特論

MSGA1 步態分析特論

MABA4生物統計學特論(含操作)

MMCP3醫用電腦程式

MEOS0高級環境與職業安全衛生特論

MSZA4專題討論

大學部

ASMP3 運動醫學實習(I)

ASSM0運動醫學專題討論

ARSS0 運動科學研究法

ASWS1 運動科學論文寫作

ATMP1 儀器治療

ATMP2儀器治療實習

ASED0運動及體適能器材設計

ASIP0單項運動傷害防護特論

PMES0運動傷害防護學

ASBD1運動生物力學

AHMG1健康管理

AFHP0職場體適能與健康促進

AEPF0體適能評估與測試

APER1身體檢查與運動傷害復健

AHSG0老人健康與運動

ASPM1運動傷害防護導論

AKIN1肌動學

AISC0運動科學概論

先前授課課程

AEPP1 運動處方

AEPP 2運動處方實習

AFAL0 急救學與實驗

AFHP0職場體適能與健康促進

AGPS0 普通心理學

AHCP0運動保健管理實習

APER1身體檢查與運動傷害復健

ARSS0 運動科學研究法

ASPM1 運動傷害防護導論

ASWS1 運動科學論文寫作

ATMP1 儀器治療

ATMP2儀器治療實習

PMES0運動傷害防護學

指導學生名單

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 年度 | 研究生 | 系所 | 學位 | 專題名稱 |
| 97 | 李淑雅 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 機械性頸部失能症患者之頸部活動及自主神經功能探討 |
| 99 | 林千芬 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 雙軸頸部力矩測量儀於機械性頸部失能症患者之應用 |
| 100 | 尤玉琳 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 懸吊式訓練對於下背痛患者的效果 |
| 101 | 王詩婷 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 核心穩定訓練對於女性籃球選手跳躍與改變方向能力之影響 |
| 102 | 李彥成 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 姿勢矯正回饋訓練在機械性頸痛患者之應用 |
| 102 | 高欣儀 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 攀岩運動對於久坐辦公族群的效益:以核心肌群強化效果為探討 |
| 102 | 賴盈仁 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | [不同跑步速度下的著地型態之分析: 鞋子效益的探討](http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/ccd=U0gJTI/record?r1=2&h1=0) |
| 102 | 張耿維 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | [跑步機背向行走訓練對慢性中風患者平衡能力、走路表現與心肺適能之療效](http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/ccd=U0gJTI/record?r1=3&h1=0) |
| 102 | 黃瑛儀 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | [探討男性消防人員火災搶救任務中空氣呼吸器利用能力之影響因子](http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/ccd=U0gJTI/record?r1=4&h1=0) |
| 102 | 陳仕偉 | 高雄醫學大學運動醫學系研究所 | 碩士 | [軍人穿不同陸軍用鞋行走時的足底壓力特徵與特製鞋內墊的效應](http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/ccd=U0gJTI/record?r1=5&h1=0) |
| 103 | 陳俊宏 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 懸吊式訓練對羽球選手敏捷度與跳躍力的影響 |
| 103 | 蘇瑋淵 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 自製三軸測力板與商用測力板之效度評估暨發展力分解演算法 |
| 103 | 溫清瑞 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 體外震波治療對於肩頸疼痛的治療效益 |
| 103 | 王泓琦 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 比較冷熱刺激療法與經皮神經電刺激療法於急性期中風病人上肢感覺及動作功能恢復之效益 |
| 103 | 楊家琪 | 國立成功大學生物醫學工程學系 | 博士 | [探討機械性頸部失能症生物力學及神經肌肉適應特徵](http://ndltd.ncl.edu.tw/cgi-bin/gs32/gsweb.cgi/ccd=U0gJTI/record?r1=11&h1=0) |
| 104 | 楊柏慶 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 探討機械性頸部失能症在胸鎖乳突肌上氧合之效應 |
| 104 | 林宜靜 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 探討臺灣慢性腎疾病患者的臨床參數、運動動機和運動介入成效 |
| 105 | 李俊毅 | 高雄醫學大學運動醫學系碩士班 | 碩士 | 穿著不同支撐材質彈性護膝後對於運動選手膝關節動作生物力學的立即效果 |
| 105 | 陳宇廷 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 探討類赤足鞋男性跑者在不同斜坡與速度下之著地型態效應 |
| 105 | 張博智 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 半監督式運動處方於南台灣病態性肥胖病患接受胃袖狀切除手術後心肺適能、身體組成改變與減重成效之關聯:一年成果分析 |
| 105 | 陳建佑 | 高雄醫學大學運動醫學系研究所碩士在職專班 | 碩士 | 台灣船員運動行為和心血管疾病風險因子的關聯 |