



創新科技應用於生物醫學暨醫療照護 產品研發國際博士學位學程

International Ph.D. Program in Innovative Technology of Biomedical Engineering and Medical Devices

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四、研究及產學合作計畫

單位:元

項次	主持人	計畫名稱	委託單位	起訖日期	總計	政府	企業	本校
1	陳耀添	基於深度學習方法的結直腸息肉檢測和比較評估研究	國科會	112/08/01 113/07/31	510,000	510,000	0	0
2	陳炳宜	複合式活性玻璃陶瓷材料應用於合成骨材開發(2/2)	國科會	112/06/01 113/11/30	1,247,000	740,000	507,000	0
3	陳炳宜	發展 BiFeO ₃ 新型自發電深 UV 光偵測器與微觀光伏機制探討(2/2)	國科會	112/08/01 113/12/31	2,112,000	2,112,000	0	0
4	王琪芸	以水膠系統遞送優化的血漿成分及髓核前驅幹細胞以進行早期椎間盤退化治療(3/3)	國科會	112/08/01 114/01/31	1,464,000	1,464,000	0	0
5	陳炳宜	112-113 年「全球優秀青年學子來臺蹲點計畫(TEEP)」	教育部	112/12/01 113/12/31	252,000	252,000	0	0
6	曼尼	112-113 年「全球優秀青年學子來臺蹲點計畫(TEEP)」	教育部	112/12/01 113/12/31	1,890,000	1,890,000	0	0
合計					7,475,000	6,968,000	507,000	0

五、專利

項次	發明人	專利權人	專利名稱	類別	證書字號	專利國家	生效日期
1	程桂祥 王琪芸	明志科技大學	奈米複合層體之製法	發明專利	I789968	國內	112/01/11

項次	發明人	專利權人	專利名稱	類別	證書字號	專利國家	生效日期
2	程桂祥 王琪芸	明志科技大學	改質奈米纖維層體及其製法	發明專利	I795973	國內	112/03/11
3	陳炳宜 馮奎智 王琪芸	明志科技大學、長庚醫療財團法人林口長庚紀念醫院	玻璃陶瓷複合材料	發明專利	I814496	國內	112/09/01
4	陳炳宜 馮奎智 王琪芸	明志科技大學、長庚醫療財團法人林口長庚紀念醫院	表面處理椎間融合器	發明專利	I820827	國內	112/11/01

六、榮譽

姓名	作品名稱	獲獎或榮譽名稱	頒獎機構名稱	獲獎日期
陳耀添	Real-Time Detection of COVID-19 from CT or X-ray Images Using IoT-Based Deep Learning Framework	Honorable Mention Award	2023 International Conference on Smart Devices and Sustainable Energy (SDSE 2023)	112/11/09
陳炳宜	新型生物玻璃材料應用於複合人工骨材開發	產學合作獎	國科會	112/11/14
王琪芸	玻璃陶瓷複合材料	銀牌	2023 Taiwan Innotech Expo Invention Contest	112/10/14
王琪芸	奈米複合層體之製法	銀牌	2023 Taiwan Innotech Expo Invention Contest	112/10/14
王琪芸	Smart antibacterial and anti-inflammatory Lysozyme-Immobilized Acidic Nanofiber Membrane with High Antibacterial Efficacy.	Annual Scientific Paper Award	明志科技大學	112/11/09
王琪芸	Antibacterial Efficacy of Lysozyme Immobilized on Acidic Nanofiber membrane.	Best Oral Presentation Award	2nd International Symposium on Advanced Functional	112/02/16

姓名	作品名稱	獲獎或榮譽名稱	頒獎機構名稱	獲獎日期
			Materials	
王琪芸	Ti-6Al-4V intervertebral fusion cage with compatible stiffness, enhanced fatigue life, and osteogenic differentiation.	Annual Scientific Paper Award	長庚大學、長庚醫院	112/08/02
王琪芸	Dynamic compression pressure regulates chondrogenic potential and immune characteristics of nucleus pulposus	Annual Scientific Paper Award	長庚大學、長庚醫院	112/08/02