

研究方向：

(A) 細胞治療、幹細胞與組織工程之[再生醫學研究]

(研究主題) 幹細胞的表觀遺傳調控重編程

- **Hsueh YJ**^{||}, Chen HC^{||}, Pan YY, Hsiao FC, Yang SJ, Liu MC, Lai WY, Li G, Hui-Kang Ma D, James Meir YJ*. The hiPSC-derived corneal endothelial progenitor-like cell recovers the rabbit model of corneal endothelial dystrophy. *J Adv Res*. 2024 May 8:S2090-1232(24)00184-X.
- Application of mesenchymal stem cells on the reconstruction of the damaged cornea. (進行中)

(研究主題) 角膜表皮幹細胞調控

- **Hsueh YJ**, Meir YJ, Hsiao HY, Cheng CM, Ma HD, Wu WC, Chen HC*. Transcription Factor ATF3 Participates in DeltaNp63-Mediated Proliferation of Corneal Epithelial Cells. *J Pers Med*. 2023 Apr 21;13(4):700.
- Ma DHK^{*}, Chen HC^{||}, Ma KS, Lai JY*, Yang U, Yeh LK, **Hsueh YJ**, Chu WK, Lai CH, Chen JK. Preservation of human limbal epithelial progenitor cells on carbodiimide cross-linked amniotic membrane via integrin-linked kinase-mediated Wnt activation. *Acta Biomater*. 2016 Feb;31:144-155.

(研究主題) 以口腔黏膜修復眼角膜表皮之 Phase Ib 細胞治療臨床試驗

- **Hsueh YJ**, Huang SF, Lai JY, Chen HC*, Ma SC, Wu SE, Wang TK, Ma KS, Chen JK, Lai CH, Ma DHK*. Epithelial progenitors are preserved in collagenase-digested oral mucosa. *Sci Rep*. 2016 Nov 8;6:36266.
- Ma DHK*, **Hsueh YJ**, Ma SK, Chen HC, Huang SF, Sun CC, Kuo MT, Tsai HR, Lai JY*. Long-term Survival of Cultivated Oral Mucosal Epithelial Cells in Human Cornea: Generating Cell Sheets Using an Animal Product-free Culture Protocol. Stem Cell Research & Therapy. *Stem Cell Research & Therapy*. 2021 Oct 7;12(1):524.

(研究主題) 人類角膜內皮細胞組織培養研究

- **Hsueh YJ**^{||}, Chen HC^{||}, Wu SE, Wang TK, Chen JK and Ma DHK*. Lysophosphatidic acid induces YAP-promoted proliferation of human corneal endothelial cells via PI3K and ROCK pathways. *Mol Ther Methods Clin Dev*. 2015 Apr 29;2:15014.
- **Hsueh YJ**, Meir YJ, Lai JY, Chen HC*, Ma DHK, Huang CC, Lu TT, Cheng CM, Wu WC. Lysophosphatidic-acid treatment of tissue culture improves corneal endothelial density via stimulated stromal secretion of interleukin-1 β . *Journal of Cellular and Molecular Medicine*. 2020 Jun;24(12):6596-6608.

(研究主題) 細胞列印人造角膜

- Three-dimensional cultivation of artificial corneal stroma as implantable carriers for cell therapy. (進行中)

(B) 抗氧化檢測與治療之[精準醫學研究]

(研究主題) 抗氧化檢測研究

- **Hsueh YJ**, Chen YN, Tsao YT, Cheng CM, Wu WC, Chen HC*. The Pathomechanism, Antioxidant Biomarkers, and Treatment of Oxidative Stress-Related Eye Diseases. *International Journal of Molecular Sciences*, 2022 Jan 23: 23(3):1255
- Tsao YT, Wu WC, Chen KJ, Yeh LK, Hwang YS, **Hsueh YJ**, Chen HC*, Cheng CM*. Analysis of aqueous humor total antioxidant capacity and its correlation with corneal endothelial health. *Bioengineering & Translational Medicine*. 2020 Dec 5;6(2):e10199.

(研究主題) 抗氧化治療研究

- **Hsueh YJ**, Meir YJ, Yeh LK, Wang TK, Huang CC, Lu TT, Cheng CM, Wu WC, Chen HC*. Topical ascorbic acid ameliorates oxidative stress-induced corneal endothelial damage via suppression of apoptosis and autophagic flux blockage. *Cells*. 2020 Apr 11;9(4). pii: E943.
- **Hsueh YJ**, Meir YJ, Lai JY, Huang CC, Lu TT, Ma DHK, Cheng CM, Wu WC, Chen HC*. Ascorbic acid ameliorates corneal endothelial dysfunction and enhances cell proliferation via the noncanonical GLUT1-ERK axis. *Biomedicine & Pharmacotherapy*, 2021 Oct 13;144:112306.

著作及所發表論文：

(A) 期刊論文

1. Chen HC, Yang SF, Lee CY, Huang JY, **Hsueh YJ**, Sun MH, Chiang MC, Huang YS, Chu SM, Hsu JF, Liu CH, Chang CK, Chen KJ, Hwang YS, Lai CC, Huang CY, Wu WC. Corneal Endothelial Morphology and Ocular Biometric Indexes in Premature Children With and Without Retinopathy of Prematurity. *Invest Ophthalmol Vis Sci*. 2024 May 1;65(5):37. (SCIE, 7/62, OPHTHALMOLOGY, Impact Factor: 4.4).
2. **Hsueh YJ**^{||}, Chen HC^{||}, Pan YY, Hsiao FC, Yang SJ, Liu MC, Lai WY, Li G, Hui-Kang Ma D, James Meir YJ. The hiPSC-derived corneal endothelial progenitor-like cell recovers the rabbit model of corneal endothelial dystrophy. *J Adv Res*. 2024 May 8:S2090-1232(24)00184-X. (SCIE, 10/73, MULTIDISCIPLINARY SCIENCES, Impact Factor: 10.7).
3. Chiu H, Chau Fang A, Chen YH, Koi RX, Yu KC, Hsieh LH, Shyu YM, Amer TAM, **Hsueh YJ**, Tsao YT, Shen YJ, Wang YM, Chen HC, Lu YJ, Huang CC, Lu TT. Mechanistic and Kinetic Insights into Cellular Uptake of Biomimetic Dinitrosyl Iron Complexes and Intracellular Delivery of NO for Activation of Cytoprotective HO-1. *JACS Au*. 2024 Mar 29;4(4):1550-1569. (SCIE, 27/230, CHEMISTRY, MULTIDISCIPLINARY, Impact Factor: 8).
4. Ling XC, Huang PH, Chen HC, **Hsueh YJ**, Lee CW, Lien R, Lee CC, Chu SM, Chen KJ, Hwang YS, Lai CC, Chiang MC, Wu WC. Association of serum levels of inflammatory cytokines with retinopathy of prematurity in preterm infants. *Front Pediatr*. 2024 Jan 8;11:1195904. (SCIE, 4/13, PEDIATRICS, Impact Factor: 2.6).
5. Tsao YT, **Hsueh YJ**, Chen HC, Cheng CM. Protocol for assessing total antioxidant capacity in minimal volumes of varying clinical human samples. *STAR Protoc*. 2024 Mar 15;5(1):102822.
6. Chen HC, Yang SF, Lee CY, **Hsueh YJ**, Huang JY, Chang CK. Differences in change of post-operative antioxidant levels between laser-assisted lenticule extraction and femtosecond laser in situ keratomileusis. *J Cell Mol Med*. 2024 Jan;28(2):e18069. (SCIE, 70/191, CELL BIOLOGY, Impact Factor: 5.3).
7. Lin SS, Ueng SWN, Chong KY, Chan YS, Tsai TT, Yuan LJ, Liu SJ, Yang CY, Hsiao HY, Hsueh YJ, Chen CA, Niu CC. Effects of Hyperbaric Oxygen Intervention on the Degenerated Intervertebral Disc: From Molecular Mechanisms to Animal Models. *Cells*. 2023 Aug 21;12(16):2111. (SCIE, 60/191, CELL BIOLOGY, Impact Factor: 6).
8. **Hsueh YJ**, Meir YJ, Hsiao HY, Cheng CM, Ma HD, Wu WC, Chen HC*. Transcription Factor ATF3 Participates in DeltaNp63-Mediated Proliferation of Corneal Epithelial Cells. *J Pers Med*. 2023 Apr 21;13(4):700. (SCIE, 69/172, MEDICINE, GENERAL & INTERNAL, Impact Factor: 3.508).
9. Wu PY, Chen HC, **Hsueh YJ**, Chen KJ, Wang NK, Liu L, Chen YP, Hwang YS, Lai CC, Wu WC*. Corneal topography in preterm children aged 2 years to 12 years with or without retinopathy of prematurity. *Eye (Lond)*. 2023 Aug;37(12):2565-2572. (SCIE, 14/62, OPHTHALMOLOGY, Impact Factor: 3.9).
10. Wu PY, Fu YK, Lien RI, Chiang MC, Lee CC, Chen HC, **Hsueh YJ**, Chen KJ, Wang NK, Liu L, Chen YP, Hwang YS, Lai CC, Wu WC*. Systemic Cytokines in Retinopathy of Prematurity. *J Pers Med*. 2023 Feb 5;13(2):291. (SCIE, 69/172, MEDICINE, GENERAL & INTERNAL, Impact Factor: 3.508).
11. Chen HC*, Lee CY, Cheng CM, **Hsueh YJ**, Chang CK, Wu WC. Successful Phakic Intraocular Lens Implantation with the Usage of Topical Ascorbic Acid in Patient with Reduced Corneal Endothelial Cell Density. *Medicina (Kaunas)*. 2022 Sep 28;58(10):1367. (SCIE, 87/167, MEDICINE, GENERAL & INTERNAL, Impact Factor: 2.6).
12. Nguyen DD, Yao CH, Luo LJ, Chen HC, **Hsueh YJ**, Ma DH*, Lai JY*. Oxidation-mediated scaffold engineering of hyaluronic acid-based microcarriers enhances corneal stromal regeneration. *Carbohydr Polym*. 2022 Sep 15;292:119668. (SCIE, 2/52, CHEMISTRY, ORGANIC, Impact Factor: 11.2).
13. Ma KS, Chung WH, **Hsueh YJ**, Chen SY, Tokunaga K, Kinoshita S, Ma DHK*, Ueta M*. Human leucocyte antigen association of patients with Stevens-Johnson syndrome/toxic epidermal necrolysis with severe ocular complications in Han Chinese. *Br J Ophthalmol*. 2022 May;106(5):610-615. (SCIE, 12/62, OPHTHALMOLOGY, Impact Factor: 4.1).
14. Tsao YT, Wu WC, Chen KJ, Liu CF, **Hsueh YJ**, Cheng CM*, Chen HC*. Assessment of Cataract Severity from Antioxidant Status and Ascorbic Acid Levels in Aqueous Humor. *Antioxidants*. 2022 Feb 14; 11(2): 397. (SCIE, 6/62, CHEMISTRY, MEDICINAL, Impact Factor: 6.313).
15. **Hsueh YJ**, Chen YN, Tsao YT, Cheng CM, Wu WC, Chen HC*. The Pathomechanism, Antioxidant

- Biomarkers, and Treatment of Oxidative Stress-Related Eye Diseases. *International Journal of Molecular Sciences*, 2022 Jan 23; 23(3):1255. (SCIE, 67/295, BIOCHEMISTRY & MOLECULAR BIOLOGY, Impact Factor: 5.924, First author).
16. Chen HC*, Lee CY, Liu CF, **Hsueh YJ**, Meir YJ, Cheng CM, Wu WC. Corneal Endothelial Changes Following Early Capsulotomy Using Neodymium:Yttrium-Aluminum-Garnet Laser. *Diagnostics (Basel)*, 2022 Jan 8;12(1):150. (SCIE, 51/315, MEDICINE, GENERAL & INTERNAL, Impact Factor: 3.706).
 17. **Hsueh YJ**, Meir YJ, Lai JY, Huang CC, Lu TT, Ma DHK, Cheng CM, Wu WC, Chen HC*. Ascorbic acid ameliorates corneal endothelial dysfunction and enhances cell proliferation via the noncanonical GLUT1-ERK axis. *Biomedicine & Pharmacotherapy*, 2021 Oct 13;144:112306. (SCIE, 25/275, PHARMACOLOGY & PHARMACY, Impact Factor: 6.529, First author).
 18. Ma DH*, **Hsueh YJ**, Ma SK, Chen HC, Huang SF, Sun CC, Kuo MT, Tsai HR, Lai JY*. Long-term Survival of Cultivated Oral Mucosal Epithelial Cells in Human Cornea: Generating Cell Sheets Using an Animal Product-free Culture Protocol. *Stem Cell Research & Therapy*. 2021 Oct 7;12(1):524. (SCIE, 24/140, MEDICINE, RESEARCH & EXPERIMENTAL, Impact Factor: 6.832).
 19. Wu CR, Huang YD, Hong TH, Liuc YH, Narwane M, Chang YH, Dinh TK, Hsieh HT, **Hsueh YJ**, Wu PC, Pao CW, Chan TS, Hsu IJ, Chen Y, Chen HC, Chin TY, Lu TT*. Conjugation of Biomimetic Dinitrosyl Iron Complex with Protein Vehicles for Oral Delivery of Nitric Oxide to Brain and Activation of Hippocampal Neurogenesis. *J. Am. Chem. Soc. (JACS Au)*. 2021 Jun 7;1(7):998-1013.
 20. Chen HC*, Huang CW, Yeh LK, Hsiao FC*, **Hsueh YJ**, Meir JYJ, Chen KJ, Cheng CC, Wu WC. Accelerated corneal endothelial cell loss after phacoemulsification in patients with mildly low endothelial cell density. *Journal of Clinical Medicine*. 2021 May 10;2270. (SCIE, 39/169, MEDICINE, GENERAL & INTERNAL, Impact Factor: 4.241)
 21. Lee CY, Chen HT, **Hsueh YJ**, Chen HC*, James Meir YJ, Wu WC. Sporadic zonular cataract found by scleral penetration. *Am J Ophthalmol Case Rep*. 2021 May 6;22:101101.
 22. Fan YY, Liu CH, Chen HC, **Hsueh YJ**, Chen KJ, Lai CC, Huang, CY, Wu WC*. MicroRNA-126 inhibits pathological retinal neovascularization via suppressing vascular endothelial growth factor expression in a rat model of retinopathy of prematurity. *European Journal of Pharmacology*. 2021 Jun 5;900:174035. (SCIE, 86/275, PHARMACOLOGY & PHARMACY, Impact Factor: 4.432)
 23. Liu YH^{||}, Chen CC^{||}, **Hsueh YJ**^{||}, Hung LM, Ma DHK, Chen HC, Len WB* and Meir JYJ*. Extraneous E-Cadherin Engages the Deterministic Process of Somatic Reprogramming through Modulating STAT3 and Erk1/2 Activity. *Cells*. 2021 Jan 31;10(2):284. (SCIE, 53/195, CELL BIOLOGY, Impact Factor: 6.600)
 24. Ma KSK, Chung WH, **Hsueh YJ**, Chen SY, Tokunaga K, Kinoshita S, Ma DHK*, Ueta M*. Human Leukocyte Antigen (HLA) Association of Stevens-Johnson Syndrome (SJS)/Toxic Epidermal Necrolysis (TEN) Patients with Severe Ocular Complications in Han Chinese. *British Journal of Ophthalmology*. 2021 Jan 13;bjophthalmol-2020-317105. (SCIE, 9/62, OPHTHALMOLOGY, Impact Factor: 4.638)
 25. Li PC, Chen SC, **Hsueh YJ**, Shen YC, Tsai MY, Hsu LW, Yeh CK, Chen HC*, Huang CC *. Gelatin scaffold with multifunctional curcumin-loaded lipid-PLGA hybrid microparticles for regenerating corneal endothelium. *Mater. Sci. Eng. C-Mater. Biol. Appl*. 2021 Jan;120:111753. (SCIE, 7/40, Materials Science, Biomaterials, Impact Factor: 7.328)
 26. Hsiao FC, Chen HT, Chen KJ, **Hsueh YJ**, Meir YJ, Lu TT, Cheng CM, Wu WC, Chen HC*. Accelerated corneal endothelial cell loss in two patients with granulomatosis with polyangiitis following phacoemulsification. *BMC Ophthalmology*. 2020 Dec 7;20(1):480. (SCIE, 40/62, OPHTHALMOLOGY, Impact Factor: 2.209)
 27. Tsao YT, Wu WC, Chen KJ, Yeh LK, Hwang YS, **Hsueh YJ**, Chen HC*, Cheng CM*. Analysis of aqueous humor total antioxidant capacity and its correlation with corneal endothelial health. *Bioengineering & Translational Medicine*. 2020 Dec 5;6(2):e10199. (SCIE, 4/90, ENGINEERING, BIOMEDICAL, Impact Factor: 10.711)
 28. **Hsueh YJ**, Meir YJ, Lai JY, Chen HC*, Ma DH, Huang CC, Lu TT, Cheng CM, Wu WC. Lysophosphatidic-acid treatment of tissue culture improves corneal endothelial density via stimulated stromal secretion of interleukin-1 β . *Journal of Cellular and Molecular Medicine*. 2020 Jun;24(12):6596-6608. (SCIE, 44/140, MEDICINE, RESEARCH & EXPERIMENTAL, Impact Factor: 5.310, First author)

29. **Hsueh YJ**, Meir YJ, Yeh LK, Wang TK, Huang CC, Lu TT, Cheng CM, Wu WC, Chen HC*. Topical ascorbic acid ameliorates oxidative stress-induced corneal endothelial damage via suppression of apoptosis and autophagic flux blockage. *Cells*. 2020 Apr 11;9(4). pii: E943. (SCIE, 53/195, CELL BIOLOGY, Impact Factor: 6.600, First author)
30. Kang EY, Chen HT, **Hsueh YJ**, Chen HC*, Tan HY, Hsiao CH, Yeh LK, Wu WC. Corneal Sensitivity and Tear Function in Recurrent Corneal Erosion Syndrome. *Invest Ophthalmol Vis Sci*. 2020 Mar 9;61(3):21. (SCIE, 8/62, OPHTHALMOLOGY, Impact Factor: 4.799)
31. **Hsueh YJ**^{||}, Ma DHK^{||}, Ma KSC, Wang TK, Chou CH, Lin CC, Huang MC, Luo LJ, Lai JY*, Chen HC*. Extracellular matrix protein coating of processed Tilapia fish scales improves corneal endothelial cell adhesion and proliferation. *Transl Vis Sci Technol*. 2019 May 30;8(3):27. (SCIE, 19/62, OPHTHALMOLOGY, Impact Factor: 3.283, First author)
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34. Ho YJ, Wu CH, Chen HC, Hsiao CS, **Hsueh YJ**, Ma DH*. Surgical outcome of deep anterior lamellar keratoplasty with air-assisted manual dissection for corneas with previous inflammation or fibrosis. *Taiwan J Ophthalmol*. 2017 Oct-Dec;7(4):191-198. (專科雜誌)
35. **Hsueh YJ**, Huang SF, Lai JY, Chen HC*, Ma SC, Wu SE, Wang TK, Ma KS, Chen JK, Lai CH, Ma DHK*. Epithelial progenitors are preserved in collagenase-digested oral mucosa. *Sci Rep*. 2016 Nov 8;6:36266. (SCIE, 17/73, MULTIDISCIPLINARY SCIENCES, Impact Factor: 4.379, First author)
36. Ma DHK^{*}, Chen HC^{||}, Ma KS, Lai JY*, Yang U, Yeh LK, **Hsueh YJ**, Chu WK, Lai CH, Chen JK. Preservation of human limbal epithelial progenitor cells on carbodiimide cross-linked amniotic membrane via integrin-linked kinase-mediated Wnt activation. *Acta Biomater*. 2016 Feb;31:144-155. (SCIE, 10/90, ENGINEERING, BIOMEDICAL, Impact Factor: 8.947)
37. **Hsueh YJ**^{||}, Chen HC^{||}, Wu SE, Wang TK, Chen JK and Ma DHK*. Lysophosphatidic acid induces YAP-promoted proliferation of human corneal endothelial cells via PI3K and ROCK pathways. *Mol. Ther.-Methods Clin. Dev*. 2015 Apr 29;2:15014. (SCIE, Impact Factor: 6.698, First author)
38. **Hsueh YJ**^{||}, Chen HC^{||}, Lai JY, Chen JK and Ma DHK*. Corneal Neovascularization as a Target for Nucleotide-Based Therapies. *J Clin Exp Ophthalmol*. 2015 Mar;6: 409. (First author)
39. **Hsueh YJ**, Kuo PC and Chen JK*. Transcriptional regulators of the DeltaNp63: Their role in limbal epithelial cell proliferation. *J Cell Physiol*. 2013 Mar;228(3):536-46. (SCIE, Impact Factor: 6.384, First author)
40. **Hsueh YJ**, Chen HC, Chu WK, Cheng CC, Kuo PC, Lin LY, Ma DHK and Chen JK*. STAT3 regulates the proliferation and differentiation of rabbit limbal epithelial cells via a DeltaNp63-dependent mechanism. *Invest Ophthalmol Vis Sci*. 2011 Jul 1;52(7):4685-93. (SCIE, Impact Factor: 4.799, First author)
41. Wang DY, Cheng CC, Kao MH, **Hsueh YJ**, Ma DHK and Chen JK*. Regulation of limbal keratinocyte proliferation and differentiation by TAp63 and DeltaNp63 transcription factors. *Invest Ophthalmol Vis Sci*. 2005 Sep;46(9):3102-8. (SCIE, Impact Factor: 4.799)
42. Hung LM, Wei W, **Hsueh YJ**, Chu WK and Wei FC*. Ischemic preconditioning ameliorates microcirculatory disturbance through downregulation of TNF-alpha production in a rat cremaster muscle model. *J Biomed Sci*. 2004 Nov-Dec;11(6):773-80. (SCIE, Impact Factor: 8.410)
43. **Hsueh YJ**, Wang DY, Cheng CC and Chen JK*. Age-related expressions of p63 and other keratinocyte stem cell markers in rat cornea. *J Biomed Sci*. 2004 Sep-Oct;11(5):641-51. (SCIE, Impact Factor: 8.410, First author)
44. Wang DY, **Hsueh YJ**, Yang VC and Chen JK*. Propagation and phenotypic preservation of rabbit limbal epithelial cells on amniotic membrane. *Invest Ophthalmol Vis Sci*. 2003 Nov;44(11):4698-704. (SCIE, Impact Factor: 4.799)

(B) 會議論文集

2024-5-04 The Association for Research in Vision and Ophthalmology 2024 Annual meeting:

- Lysophosphatidic acid promotes corneal healing via upregulating corneal stromal cell-derived exosomal mir-221-3p. (POSTER, First author)
- 2023-4-23 The Association for Research in Vision and Ophthalmology 2023 Annual meeting: Analysis of Total Antioxidant Capacity and Ascorbic Acid in the Aqueous Humor of Patients with Diabetic Retinopathy. (POSTER, First author)
- 2022-5-88 再生醫學學會學術研討會: Gelatin Scaffold with Lipid-PLGA Microparticles for Sustained Curcumin Release and Corneal Tissue Engineering. (POSTER)
- 2021-5-01 The Association for Research in Vision and Ophthalmology 2021 Annual meeting: Long-term Survival of Cultivated Oral Mucosal Epithelial Cell Sheets in Human Cornea. (ePOSTER, First author)
- 2021-4-27 The 7th Asia Cornea Society Biennial Scientific Meeting (ACS 2021): Long-term Survival of Cultivated Oral Mucosal Epithelial Cell Sheets in Human Cornea. (ePOSTER, First author)
- 2020-5-02 The Association for Research in Vision and Ophthalmology 2020 Annual meeting: Lysophosphatidic-acid treatment of tissue-cultivated corneas increases endothelial density by stimulating stromal IL-1 β secretion. (ePOSTER)
- 2018-5-03 The Association for Research in Vision and Ophthalmology 2018 Annual meeting: Proliferation of corneal epithelial cells is regulated by p63/ATF3 related pathway. (POSTER, First author)
- 2016-9-03 **Tissue Engineering and Regenerative Medicine International Society- Asia Pacific 2016 Meeting:** Ex vivo cultivation model to evaluate fish scale as a potential cell transplantation carrier: Effect of extracellular matrix coating on the growth and function of corneal endothelial cells. (POSTER, First author)
- 2016-5-01 The Association for Research in Vision and Ophthalmology 2016 Annual meeting: Epithelial progenitors are preserved in collagenase-digested oral mucosa. (POSTER, First author)
- 2015-5-03 The Association for Research in Vision and Ophthalmology 2015 Annual meeting: Nuclear YAP-promoted proliferation can be induced by lysophosphatidic acid via the PI3K and ROCK pathways in contact-inhibited human corneal endothelial cells. (POSTER, First author)
- 2015-5-02 The International Ocular Surface Society 18th Annual meeting: Nuclear YAP-promoted proliferation can be induced by lysophosphatidic acid via the PI3K and ROCK pathways in contact-inhibited human corneal endothelial cells. (ORAL, First author)

(C) 專書及專書論文

長庚大學博士學位論文(一百零二學年度). Study of the mechanism underlying the transcriptional regulation of Δ Np63 expression in limbal epithelial cells.

(D) 專利

專利名稱	國別	專利號碼	發明人	專利權人	專利期間
抗壞血酸用於製備保護角膜內皮細胞的眼用組成物	臺灣	I645850	陳宏吉、馬惠康、鄭兆珉、薛詒仁	長庚醫療財團法人林口長庚醫院	2019/01/01 ~ 2037/10/02
角膜組織培養系統及其角膜組織培養方法	臺灣	I730464	陳宏吉、鄭兆珉、黃玠誠、薛詒仁	長庚醫療財團法人林口長庚醫院	2021/06/11 ~ 2039/10/20