

\*孫啟欽醫師

所有發表期刊論文、專書、會議論文、演講

**Journal Papers:**

1. [Sun CC](#), [Kao LY](#). Unilateral congenital third cranial nerve palsy with central nervous system anomalies: report of two cases. *Chang Gung Medical Journal* 2000;23:776-781.
2. [Sun CC](#), [Chang SW](#), [Tsai RR](#). Traumatic corneal perforation with epithelial ingrowth after laser in situ keratomileusis. *Archives of Ophthalmology* 2001;119:907-909.
3. [Sun CC](#), Yeh BT, Chen HC, Lee MY, Lin KK, Lee JS. Clinical study on reading in low-vision patients with a simplified head-mounted video magnifier. *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2001;40:533-539.
4. [Cheng CY](#), [Huang SC](#), [Hsiao LD](#), [Sun CC](#), [Jou MJ](#), [Yang CM](#). Bradykinin-stimulated p42/p44 MAPK activation associated with cell proliferation in corneal keratocytes. *Cellular Signalling* 2004;16:535-549.
5. [Lin CC](#), [Sun CC](#), [Luo SF](#), [Tsai AC](#), [Chien CS](#), [Hsiao LD](#), [Lee CW](#), [Hsieh JT](#), [Yang CM](#). Induction of cyclooxygenase-2 expression in human tracheal smooth muscle cells by interleukin-1beta: involvement of p42/p44 and p38 mitogen-activated protein kinases and NF- $\kappa$ B. *Journal of Biomedical Science* 2004;11:377-390.
6. [Sun CC](#), [Cheng CY](#), [Chien CS](#), [Pang JH](#), [Ku WC](#), [Chen PY](#), [Yang CM](#). Role of matrix metalloproteinase-9 in ex vivo expansion of human limbal epithelial cells cultured on human amniotic membrane. *Investigative Ophthalmology & Visual Science* 2005;46:808-815.
7. [Yang CM](#), [Lin MI](#), [Hsieh HL](#), [Sun CC](#), [Ma YH](#), [Hsiao LD](#). Bradykinin-induced p42/p44 MAPK phosphorylation and cell proliferation via Src, EGF receptors, and PI3-K/Akt in vascular smooth muscle cells. *Journal of Cellular Physiology* 2005;203:538-546.

8. [Sun CC](#), [Pang SJH](#), [Cheng CY](#), Cheng HF, Lee YS, [Ku WC](#), [Hsiao CS](#), Chen JK, [Yang CM](#). Interleukin-1 receptor antagonist (IL-1RA) prevents apoptosis in ex vivo expansion of human limbal epithelial cells cultivated on human amniotic membrane. *Stem Cells* 2006;24:2130-2139.
9. Hsieh HL, Wu CB, [Sun CC](#), Liao CH, Lau YT, Yang CM. Sphingosine-1-phosphate induces COX-2 expression via PI3K/Akt and p42/p44 MAPK pathways in rat vascular smooth muscle cells. *Journal of Cellular Physiology* 2006;207:757-766.
10. Tung WH, [Sun CC](#), Hsieh HL, Wang SW, Horng JT, Yang CM. EV71 induces VCAM-1 expression via PDGF receptor, PI3-K/Akt, p38 MAPK, JNK and NF- $\kappa$ B in vascular smooth muscle cells. *Cellular Signalling* 2007;19:2127-2137.
11. Chen KJ, Sun MH, Hou CH, [Sun CC](#), Chen TL. Burkholderia pseudomallei Endophthalmitis. *Journal of Clinical Microbiology* 2007;45:4073-4074.
12. Chung PC, Lin KK, Song HS, Ku WC, Huang SCM, [Sun CC\\*](#). Alport syndrome with recurrent herpes simplex virus keratitis. (**\*Corresponding author**) *Cornea* 2007;26:1279-1281.
13. [Sun CC\\*](#), Hsieh HL\* (**\*Co-first authors**), Wu CB, Wu CY, Tung WH, Wang HH, Yang CM. Sphingosine 1-phosphate induces EGFR expression via Akt/ NF- $\kappa$ B and ERK/AP-1 pathways in rat vascular smooth muscle cells. *Journal of Cellular Biochemistry* 2008;103:1732-1746.
14. Chen KJ, Hou CH, Sun MH, Lai CC, [Sun CC](#), Hsiao CH. Endophthalmitis Caused by Acinetobacter baumannii: Report of Two Cases. *Journal of Clinical Microbiology* 2008;46:1148-1150.
15. Wu CY, Hsieh HL, [Sun CC](#), Tseng CP, Yang CM. IL-1 beta induces pro-MMP-9 expression via c-Src-dependent PDGFR/PI3K/Akt/ p300 cascade in rat brain astrocytes. *Journal of Neurochemistry* 2008;105:1499-1512.
16. Hsieh HL, [Sun CC](#), Wang TS, Yang CM. PKC-delta/c-Src-mediated EGF receptor transactivation regulates thrombin-induced COX-2 expression and PGE 2-production in rat vascular smooth muscle cells. *Biochimica et*

*Biophysica Acta-Molecular Cell Research* 2008;1783;1563-1575.

17. Wang HH, Hsieh HL, Wu CY, **Sun CC**, Yang CM. Oxidized low-density lipoprotein induces matrix metalloproteinase-9 expression via a p42/p44 and JNK-dependent AP-1 pathway in brain astrocytes. *Glia* 2009;57:24-38.
18. Cheng CY, Hsieh HL, **Sun CC**, Lin CC, Luo SF, Yang CM. IL-1 beta induces urokinase-plasminogen activator expression and cell migration through PKC alpha, JNK1/2, and NF-κB in A549 cells. *Journal of Cellular Physiology* 2009;219:183-193.
19. Lin CC, Lin WN, Wang WJ, **Sun CC**, Tung WH, Wang HH, Yang CM. Functional coupling expression of COX-2 and cPLA2 induced by ATP in rat vascular smooth muscle cells: role of ERK1/2, p38 MAPK, and NF-κB. *Cardiovascular Research* 2009;82:522-531.
20. **Sun CC\***, Cheng CY\* (\*Co-first authors), Yu WH, Hsieh HL, Ma DH, Su Pang JH, Yang CM. Novel laminin 5γ2-chain fragments potentiate the limbal epithelial cell outgrowth on amniotic membrane. *Investigative Ophthalmology & Visual Science* 2009;50:4631-4639.
21. Chen HCJ, Chen HL, Lai JY, Chen CC, Tsai YJ, Kuo MT, Chu PH, **Sun CC**, Chen JK, Ma DHK. Persistence of transplanted oral mucosal epithelial cells in human cornea. *Investigative Ophthalmology & Visual Science* 2009;50:4660-4668.
22. Wu CY, Hsieh HL, **Sun CC**, Yang CM. IL-1beta induces MMP-9 expression via a Ca(2+)-dependent CaMKII/JNK/c-JUN cascade in rat brain astrocytes. *Glia* 2009;57:1775-1789.
23. Chen KJ, Yang KJ, **Sun CC**, Yeung L. Traumatic endophthalmitis caused by Enterococcus raffinosus and Enterobacter gergoviae. *Journal of Medical Microbiology* 2009;58:526-528.
24. Ma DHK, Chen HCJ, Lai JY, **Sun CC**, Wang SF, Lin KK, Chen JK. Matrix revolution: Molecular mechanism for inflammatory corneal

neovascularization and restoration of corneal avascularity by epithelial stem cell transplantation. *Ocular Surface* 2009;7:128-144.

25. Yeung L, **Sun CC**, Ku WC, Chuang LH, Chen CH, Huang BY, Ting MK, Yang KJ. Associations between chronic glycosylated haemoglobin (HbA1c) level and macular volume in diabetes patients without macular oedema. *Acta Ophthalmologica* 2010;88:753-758.
26. Lai JY, Ma DHK, Cheng HY, **Sun CC**, Huang SJ, Li YT, Hsiue GH. Ocular biocompatibility of carbodiimide cross-linked hyaluronic acid hydrogels for cell sheet delivery carriers. *Journal of Biomaterials Science-Polymer Edition* 2010;21:359-376.
27. Lei SL, Kuo JZC, Yang KJ, Ku WC, **Sun CC**, Yeung L. Hypotony maculopathy after 23-gauge transconjunctival sutureless vitrectomy: A case report. *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2010;49:97-102.
28. Yang JW, Hsiao CH, **Sun CC**, Ma DHK, Chen PYF. Reversible Aamantadine-induced corneal edema--A case report. *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2010;49:68-72.
29. Yang YY, Yeung L, Chuang LH, Ku WC, **Sun CC**, Yang KJ. Intravitreal triamcinolone for Purtscher's retinopathy-A case report. *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2010;49:623-628.
30. Wang J, Chuang LH, **Sun CC**, Ku WC. Congenital ectropion uveae with late-onset unilateral glaucoma. *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2011;50:162-167.
31. Lei SL, Yang KJ, **Sun CC**, Chen CH, Huang BY, Ng SC, Yeung L. Obtained mydriasis in long-term type 2 diabetic patients. *Journal of Ocular Pharmacology and Therapeutics* 2011;27:599-602.
32. Lei SL, Ku WC, Sun MH, Chen KJ, Lai JY, **Sun CC\*** Cyclosporine A eye drop-induced elongated eyelashes: A case report. **(\*Corresponding author)**

*Case Reports in Ophthalmology* 2011;2:398-400.

33. Yang KJ, **Sun CC**, Ku WC, Chuang LH, Ng SC, Chou KM, Kuo SF, Yeung L. Axial length and proliferative diabetic retinopathy. *Optometry and Vision Science* 2012;89:465-470.
34. Chen KJ, **Sun CC**, Hsiao CH, Tan HY, Yeh LK. Treatment for fungal endophthalmitis resulting from keratitis. *American Journal of Ophthalmology* 2011;151:185-186; author reply 186.
35. Huang JCC, Chen KJ, Sun MH, Lai JY, **Sun CC\***. Management of a **complicated** case of Mycobacterium Abscessus keratitis after LASIK. (**\*Corresponding author**) *Transaction of Ophthalmological Society of Taiwan, The Republic of China* 2012;51:106-111.
36. Chu HY, **Sun CC**, Chuang WY, Liou SW, Ma DH, Lai CC, Hwang YS, Hsiao CH. Cytomegalovirus associated corneal endotheliitis after penetrating keratoplasty in a patient with Fuchs corneal endothelial dystrophy. *British Journal of Ophthalmology* 2012;96:300-301.
37. Chen HC, Yeh LK, Tsai YJ, Lai CH, Chen CC, Lai JY, Sun CC, Chang G, Hwang TL, Chen JK, Ma DH. Expression of angiogenesis-related factors in human corneas after cultivated oral mucosal epithelial transplantation. *Investigative Ophthalmology & Visual Science* 2012;53: 5615-5623.
38. **Sun CC\*#**, Huang JCC\* (**\*Co-first authors**), Chang CK, Ma DHK, Lin YF. Effect of hinge position on corneal sensation and dry eye parameters after femtosecond laser-assisted LASIK. (#Corresponding author) *Journal of Refractive Surgery* 2012;28:625~631.
39. Peng YS, Hsu SC, Pai TW, **Sun CC**, Hsiao CH. An automatic detection system for corneal neovascularization. *Advances in Information Technology and Applied Computing* 2012;1:164~169. (EI)

40. Yang RW, Huang TY, Lee JS, Yeung L, Lin YF, **Sun CC\***. The correlation between myopic ametropia and stereoacuity in school-aged children in Taiwan  
**(\*Corresponding author) *Japanese Journal of Ophthalmology***

### **Books:**

1. **Sun CC**. 長庚大學博士學位論文(九十四學年度). Molecular mechanisms underlying ex vivo expansion of human limbal epithelial cells cultivated on human amniotic membrane, **2006**.
2. Ma HK, **Sun CC**, Lai JY, and Chen JK. A review of corneal epithelial stem cell therapy. In:Progress in stem cell applications. Nova Science Publishers;**2008**:1-44.

### **Oral Presentations:**

- November 20~21. 1998  
The 3<sup>rd</sup> Sino-Japan Joint Meeting of Ophthalmology (Taiwan)  
LASIK Procedure for High Refractive Errors Following Penetrating Keratoplasty (PKP).
- February 16~17. 2000  
The 2<sup>nd</sup> Meeting of the Asia Pacific Society of Cornea and Refractive Surgery (Japan)
  - \* A. LASIK Procedure for High Refractive Errors Following Penetrating Keratoplasty (PKP).
  - B. The in vitro Influence of the Interaction between Lipid and Mucin on the Color Changes of Lipid Interference Patterns.
- \* **Selected as the Keynote Lecture in the Session on Refractive Surgery.**

- May 27~28. 2006  
Invited speaker in the International Symposium of Advanced Ophthalmology (ISAO) (Taiwan)  
Topic: Prevention of Apoptosis of Limbal Epithelial Cells Cultivated on amniotic Membrane: Role of Interleukin-1 Receptor Antagonist (IL-1RA).
- December 10. 2006  
Invited speaker in the corneal symposium  
The 47th Annual Meeting of the Ophthalmological Society of Taiwan (ROC)  
Topic: Epi-LASIK in patients with excessive myopia and thin corneas
- March 18. 2007  
Invited speaker in the 2<sup>nd</sup> Symposium of the Staff of the Refractive Surgery Center (TSCRS) (Taiwan)  
Topic: Indications of topical cyclosporin A (CSA) in the treatment of ocular surface diseases
- April 15. 2007  
Invited speaker in the 7<sup>th</sup> International Congress of Ophthalmology and Optometry China (COOC) (Shanghai)  
Topic: Diagnosis and management after laser refractive surgery: the role of topical cyclosporin A (CSA)
- June 10. 2007  
Invited speaker in the spring seminar of Laser and Photonics Medicine Society of the Republic of China (Taipei)  
Topic: Overview and Update on Epi-LASIK
- April 25. 2009  
Invited speaker in the Ophthalmology basic research symposium  
The 44th Annual Regional Meeting of the Ophthalmological Society of Taiwan (Kaohsiung, Taiwan)  
Topic: Role of extracellular matrix degradation enzymes in ex vivo expansion of human limbal epithelial cells on amniotic membrane
- May 15. 2010  
Invited speaker in the AMO University (Practice Development Program &

Excimer Laser Physician Training)

The 45th Annual Regional Meeting of the Ophthalmological Society of Taiwan (Tainan, Taiwan)

Topic: The state of the art laser vision correction: IntraLase and advanced CustomVue

- October 3. 2010 Invited speaker  
The 6<sup>th</sup> Advanced Cataract & Refractive Surgery Symposium held by the Ophthalmology Society of Taiwan (台灣台北市集思台大會議中心 國際會議廳)  
Topic: Clinical application of Femtosecond laser
- November 17. 2010 Invited speaker  
The 3<sup>rd</sup> International Ophthalmology Congress at NHG (National Health Group) Eye Institute (Suntec Convention Center, Singapore)  
Topic: iLASIK beyond 20/20
- October 6. 2012 Invited speaker  
台灣眼科學教授學術醫學會 2012 秋季學術研討會 (高雄醫學大學附設中和紀念醫院 啟川大樓 六樓)  
Topic: DMEK: the thinner, the better?
- October 7. 2012 Invited speaker  
台灣眼科學教授學術醫學會 2012 秋季學術研討會 (高雄醫學大學附設中和紀念醫院 啟川大樓 六樓)  
Topic: OBL (Opaque Bubble Layer) – incidence, risk factors and clinical Relevance
- October 21. 2012 Invited speaker  
中華民國醫用超音波學會年會暨 2012 年會第四次學術研討會 (台北國際會議中心,台北市信義路五段一號)  
Topic: Will femtosecond-assisted cataract surgery supersede microincision phaco cataract surgery?

**Poster Presentations:**

- May 6~9 2012. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA.



**C.-C. Sun**, H.-T. Chiu, K.-Y. Lee, Y.-F. Lin, and J.-H. S. Pang

**Topic: Enhancement On Limbal Epithelial Cell Proliferation In Vitro By A ROCK Inhibitor, Y27632** Invest. Ophthalmol. Vis. Sci. 2012 52: E-Abstract 3512.

- May 1~5 2011. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA.  
**C.-C. Sun**, Y.-F. Lin, H.-T. Chiu, K.-Y. Lee, and J.-H. S. Pang  
**Topic: A Novel Function Of Beta 1 Integrin In Mediating Apoptosis Of Ex Vivo Expanded Human Limbal Epithelial Cells** Invest. Ophthalmol. Vis. Sci. 2011 52: E-Abstract 528.
- May 2~6 2010. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA.  
J. C. Huang, **C.-C. Sun\***, C.-K. Chang, D. H. Ma, and Y.-F. Lin  
**Topic: Effect of Different Hinge Position on Corneal Sensation and Dry Eye Parameters After Laser *in situ* Keratomileusis Using a Femtosecond Laser**  
Invest. Ophthalmol. Vis. Sci. 2010 51: E-Abstract 2851.
- May 2~6 2010. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA.  
**C.-C. Sun**, Y.-F. Lin, H.-T. Chiu, and J.-H. S. Pang  
**Topic: Differential Expression of  $\beta$  Integrin Subunits in Intact Amniotic Membrane-Expanded Human Limbal Epithelial Cells**  
Invest. Ophthalmol. Vis. Sci. 2010 51: E-Abstract 3764.
- May 3~7 2009. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA.  
H.-C. J. Chen, H.-L. Chen, M.-T. Kuo, **C.-C. Sun**, and D. H. K. Ma  
**Topic: Persistence of Stem/Progenitor Cells in Transplanted Oral Mucosal Epithelial Cells in Human Corneas**  
Invest. Ophthalmol. Vis. Sci. 2009 50: E-Abstract 1791.
- December 4~9 2009. American Society for Cell Biology (ASCB), San Diego, USA.  
**Topic: PI3-K/Akt/JNK/NF- $\kappa$ B pathway regulates MMP-9 expression in intact amniotic membrane-expanded human limbal epithelial**

cells.

- December 13~17 2008. American Society for Cell Biology (ASCB), San Francisco, USA.  
**Topic: Novel laminin 5{gamma}2-chain fragments potentiate the limbal epithelial cell outgrowth on amniotic membrane.**
- May 2007. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA  
C.-C. Sun, C.-Y. Cheng, H.-F. Cheng, H.-L. Hsieh, J.-H. S. Pang, W.-C. Ku, C.-H. Hsiao, and C.-M. Yang  
**Topic: Intracellular Signaling Pathways Involved in *ex vivo* Expansion of Human Limbal Epithelial Cells on Intact Amniotic Membrane**  
Invest. Ophthalmol. Vis. Sci. 2007 48: E-Abstract 452.
- May 2006. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA  
C.-C. Sun, C.-Y. Cheng, H.-F. Cheng, J.-H.S. Pang, W.-C. Ku, P.Y. Chen, J.-K. Chen, C.-C. Chen, and C.-M. Yang  
**Topic: Phosphatidylinositol 3-Kinase/Akt, but Not p42/p44 MAPK Pathway Regulates Matrix Metalloproteinase-9 Expression in *ex vivo* Expansion of Human Limbal Epithelial Progenitor Cells on Amniotic Membrane**  
Invest. Ophthalmol. Vis. Sci. 2006 47: E-Abstract 1611.
- May 2005. The Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL, USA  
C.-C. Sun, J.-H.S. Pang, C.-Y. Cheng, H.-F. Cheng, C.-S. Chien, Y.-S. Lee, W.-C. Ku, C.-H. Hsiao, and C.-M. Yang  
**Topic: Interleukin-1 Receptor Antagonist (IL-1ra) Prevents Apoptosis in *ex vivo* Expanded Human Limbal Epithelial Cells Cultivated on Human Amniotic Membrane**  
Invest. Ophthalmol. Vis. Sci. 2005 46: E-Abstract 2099.

**Invited Educational Speech**

September 13, 2006

桃園縣幸福國中專題演講

主題: 視力保健

November 19, 2006

Invited speaker in the 1<sup>st</sup> Symposium of the Staff of the Refractive Surgery Center (TSCRS) (Taiwan)

Topic: The Role of FDA in Refractive

Surgery

December 13, 2006

桃園縣幸福國小專題演講

主題: 兒童常見的眼睛疾病

March 11, 2007

高雄縣義守大學

中華民國眼科醫學會主辦之屈光手術中心從業人員訓練課程

主題: 眼球生理結構與屈光不正

April 27, 2007

桃園縣幸福國中專題演講

主題: 視力保健

January 19, 2008

基隆長庚醫院

主題: 全身性紅斑狼瘡及類風濕關節炎病友眼睛照護

October 22, 2008

長庚紀念醫院藥劑科藥事人員繼續教育-基隆分院(97)下

主題: 乾眼症的最新治療

May 1, 2009

桃園縣大漢國中專題演講

主題: 青少年常見的眼疾及其保健

August 7, 2010

臺北市九十九年藥事人員繼續教育課程

臺北市藥師公會(台北市長春路 15 號 7 樓)

主題: 熟齡世代的常見眼疾-  
老花眼與白內障

December 12, 2012

臺大醫院眼科

主題: DMEK & IEK

December 19, 2012

高雄長庚醫院眼科

主題: Selection of an IOL: The evolving process in my practice

December 20, 2012

高雄醫學大學附設醫院眼科

主題: Paradigm shift in the treatment of corneal endothelial diseases

**2007~2012 應台北市 NEWS98 廣播電台邀請介紹各類眼科疾病並接受民眾 call in**

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|----------------------|------------|
| 2007 年 9 月 18 日 (二)  | 近視併發症      |
| 2008 年 2 月 12 日 (二)  | 眼中風        |
| 2008 年 8 月 12 日 (二)  | 黃斑部病變      |
| 2009 年 7 月 21 日 (二)  | 近視雷射       |
| 2009 年 9 月 29 日 (二)  | 紅眼症        |
| 2009 年 11 月 17 日 (二) | 角膜潰瘍       |
| 2010 年 9 月 2 日 (五)   | 老年人視力問題    |
| 2011 年 1 月 20 日 (四)  | 老年及近視黃斑部病變 |
| 2011 年 2 月 17 日 (四)  | 過敏性結膜炎及乾眼症 |
| 2012 年 12 月 13 日 (四) | 青光眼        |

**接受中廣流行網邀訪**

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|--------------------|-------------|
| 2011 年 1 月 3 日 (一) | 近視雷射手術適合我嗎? |
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