

1. Shwartz Y#, Gonzalez-Celeiro M#, Chen CL#, Pasolli HA, Sheu SH, Fan SMY, Shamsi F, Assad S, Lin ETY, Zhang B, Tsai PC, He M, Tseng YH, Lin SJ*, Hsu YC*. Cell types promoting goosebumps form a niche to regulate hair follicle stem cells. *Cell* 2020 Jul 15; S0092-8674(20)30808-4. doi: 10.1016/j.cell.2020.06.031. (# equal contribution)
2. Wu YF, Ye RT, Pan MK, Lin SJ*, Tan HY*. A custom multiphoton microscopy platform for live imaging of mouse cornea and conjunctiva. *Journal of Visualized Experiments* 159, e60944, 2020.
3. Chen CL, Huang WY, Wang EHC, Kang-Yu Tai KY, Lin SJ*. Functional complexity of hair follicle stem cell niche and therapeutic targeting of niche dysfunction for hair regeneration. *Journal of Biomedical Science* 27:43, 2020.
4. Chang LY, Fan SMY, Liao YC, Wang WH, Chen YJ, Lin SJ*. Proteomic analysis reveals anti-fibrotic effects of blue light photobiomodulation on fibroblasts. *Lasers in Surgery and Medicine* 52:358-72, 2020.
5. Tu YA, Lin SJ, Chen PL, Chou CH, Huang CC, Ho HN, Chen MJ. HSD3B1 gene polymorphism and female pattern hair loss in women with polycystic ovary syndrome. *Journal of the Formosan Medical Association* 118:1225-1231, 2019.
6. Wu YF, Wang CY, Yang TL, Tsao PN, Lin SJ*, Tan HY*. Intravital multiphoton microscopic imaging platform for ocular surface imaging. *Experimental Eye Research* 182:194-201, 2019.
7. Huang WY, Lin ETY, Hsu YC, Lin SJ*. Anagen hair follicle repair: timely regenerative attempts from plastic extra-bulge epithelial cells. *Experimental Dermatology* 28:406-412, 2019.
8. Gao Q, Zhou G, Lin SJ, Paus R, Yue Z. How chemotherapy and radiotherapy damage the tissue: Comparative biology lessons from feather and hair models. *Experimental Dermatology* 28:413-418, 2019.
9. Lee CY, Su GC, Huang WY, Ko MY, Yeh HY, Chang GD, Lin SJ, Chi P. Promotion of homology-directed DNA repair by polyamines. *Nature Communications* 10:65, 2019.
10. Fan SMY, Chang YT, Chen CL, Wang WH, Pan MK, Chen WP, Huang WY, Xu Z, Huang HE, Chen T, Plikus MV, Chen SK*, Lin SJ*. External light activates hair follicle stem cells through eyes via an ipRGC-SCN-sympathetic neural pathway. *Proceedings of the National Academy of Sciences of USA* 115:E6880-E6889, 2018.
11. Fan SMY, Tsai CF, Yen CM, Lin MH, Wang WH, Chan CC, Chen CL, Phua KKL, Pan SH, Plikus MV, Yu SL, Chen YJ*, Lin SJ*. Inducing hair follicle neogenesis with secreted proteins enriched in embryonic skin. *Biomaterials* 167:121-131, 2018.
12. Fan SMY, Cheng YP, Lee MY, Lin SJ, Chiu HY. Efficacy and safety of a low-level light therapy for androgenetic alopecia: a 24-week, randomized, double-blind, self-comparison, sham-device controlled trial. *Dermatological Surgery* 44:1411-1420, 2018.
13. Fan SMY, Chen PH, Tseng YT, Hong JB, Chen WH, Tsai TF, Lin SJ*. Preclinical evaluation of melanocyte transplantation by chitosan-based melanocyte spheroid patch to skin prepared by controlled sunburn blistering. *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 106:2535-2543, 2018.
14. Huang WY, Lai SF, Chiu HY, Chang M, Plikus MV, Chan CC, Chen YT, Tsao PN, Yang TL, Lee HS, Chi P, Lin SJ*. Mobilizing transit-amplifying cell-derived ectopic progenitors prevents hair loss from chemotherapy or radiation therapy. *Cancer Research* 77:6083-6096, 2017 (This paper was featured by New Scientist, BioWorld and ScienceTrends)

15. Wang WH, Chien TH, Fan SMY, Huang WY, Lai SF, Wu JT, Lin SJ*. Activation of mTORC1 signaling is required for timely hair follicle regeneration from radiation injury. *Radiation Research* 188:681-689, 2017.
16. Huang WY, Huang YC, Huang KS, Chan CC, Chiu HY, Tsai RY, Chan JY, Lin SJ*. Stress-induced premature senescence of dermal papilla cells compromises hair follicle epithelial-mesenchymal interaction. *Journal of Dermatological Science* 86:114-122, 2017.
17. Chiu HY, Huang WN, Ho CH, Wang JJ, Lin SJ, Hsu YW, Chen PJ. Increased risk of chronic kidney disease in patients with rosacea: A nationwide population-based matched cohort study. *PLoS One* 12:e0180446, 2017.
18. Cheng YP, Chen YS, Lin SJ, Hsiao CH, Chiu HC, Chan JL. Minoxidil improved hair density in an Asian girl with short anagen syndrome: a case report and review of literature. *International Journal of Dermatology* 55:1268-1271, 2016.
19. Chang HM, Huang WY, Lin SJ, Huang WC, Shen CR, Mao WY, Shen CN. ABCG2 deficiency in skin impairs re-epithelialization in cutaneous wound healing. *Experimental Dermatology* 25:355-61, 2016.
20. Wang TS, Chiu HY, Hong JB, Chan CC, Lin SJ, Tsai TF. Correlation of IL36RN mutation with different clinical features of pustular psoriasis in Chinese patients. *Archives of Dermatological Research* 308:55-63, 2016.
21. Chen KL, Chiu HY, Chan CC, Chan JY, Lin SJ*. Extensive cicatricial alopecia in a patient with long-term trichotillomania. *Journal of Dermatology* 43:226-8, 2016.
22. Li YC, Lin MW, Yen MH, Fan SMY, Wu JT, Young TH, Cheng JY, Lin SJ*. Programmable laser-assisted surface microfabrication on a polyvinyl alcohol-coated glass chip with self-changing cell adhesivity for heterotypic cell patterning. *ACS Applied Materials & Interfaces* 7:22322-32, 2015.
23. Chan CC, Fan MY, Wan WH, Lin SJ*. A two-stepped culture method for efficient production of trichogenic keratinocytes. *Tissue Engineering Part C Methods* 21:1070-9, 2015.
24. Wu YF, Wang SH, Wu PS, Sabrina Fan MY, Chiu HY, Tsai TH, Lin SJ*. Enhancing hair follicle regeneration by nonablative fractional laser: assessment of irradiation parameters and tissue response. *Lasers in Surgery and Medicine* 47:331-41, 2015.
25. Chiu HY, Wang TS, Chan CC, Lin SJ, Tsai TF. Risk factor analysis for the immunogenicity of adalimumab associated with decreased clinical response in Chinese patients with psoriasis. *Acta Dermato-Venereologica* 95:71-6, 2015.
26. Sheen YS, Fan SMY, Chan CC, Wu YF, Jee SH, Lin SJ*. Visible red light enhances physiological anagen entry in vivo and has direct and indirect stimulative effects in vitro. *Lasers in Surgery and Medicine* 47: 50-9, 2015.
27. Chiu HY, Huang HL, Li CH, Yin YJ, Chen HA, Hsu ST, Lin SJ, Tsai TF, Ho SY. Increased risk of glomerulonephritis and chronic kidney disease in relation to the severity of psoriasis, concomitant medication, and comorbidity: a nationwide population-based cohort study. *British Journal of Dermatology* 173:146-54, 2015.
28. Oh JW, Lin SJ, Plikus MV. Regenerative metamorphosis in hairs and feathers: follicle as a programmable biological printer. *Experimental Dermatology* 24:262-4, 2015.
29. Hung PK, Chu TW, Tsai RY, Kung CW, Lin SJ, Chen CM. Quantitative assessment of female pattern hair loss. *Dermatologica Sinica* 33: 142-145, 2015.

30. Lin IC, Chiu HY, Chan JY, Lin SJ*. Extensive scleredema with anhidrosis and recurrent heat stroke. *Journal of American Academy of Dermatology*.71:e99-e101, 2014.
31. Chiu HY, Lin SJ*. Rendu-Osler-Weber syndrome. *JAMA* 312:714-2, 2014.
32. Chiu HY, Wang TS, Chan CC, Cheng YP, Lin SJ, Tsai TF. Human leucocyte antigen-Cw6 as a predictor for clinical response to ustekinumab, an interleukin-12/23 blocker, in Chinese patients with psoriasis: a retrospective analysis. *British Journal of Dermatology* 171:1181-8, 2014.
33. Hughes MW, Jiang TX, Lin SJ, Leung Y, Kobiela K, Widelitz RB, Chuong CM. Disrupted ectodermal organ morphogenesis in mice with a conditional histone deacetylase 1, 2 deletion in the epidermis. *Journal of Investigative Dermatology* 134:24-32, 2014.
34. Lin SJ, Foley J, Jiang TX, Yeh CY, Wu P, Foley A, Yen CM, Huang YC, Cheng HC, Chen CF, Reeder B, Jee SH, Widelitz RB, Chuong CM. Topology of feather melanocyte progenitor niche allows complex pigment patterns to emerge. *Science* 340:1442-5, 2013. (This article was highlighted by Kvaajo M. A thing of beauty. *Cell* 154:700-701, 2013)
35. Chiu HY, Lin SJ*. Postherpetic pseudohernia. *JAMA* 310:639-640, 2013.
36. Chiang MF, Yang SY, Lin IY, Hong JB, Lin SJ, Ying HY, Chen CM, Wu SY, Liu FT, Lin KI. Inducible deletion of the Blimp-1 gene in adult epidermis causes granulocyte-dominated chronic skin inflammation in mice. *Proceedings of the National Academy of Sciences of the United States of America* 110:6476-81, 2013.
37. Huang YC, Chan CC, Lin WT, Chiu HY, Tsai RY, Tsai TH, Chan JY, Lin SJ*. Scalable production of controllable dermal papilla spheroids on PVA surfaces and the effects of spheroid size on hair follicle regeneration. *Biomaterials* 34:442-451, 2013.
38. Lin SJ, Widelitz RB, Yue Z, Li A, Wu X, Jiang TX, Wu P, Chuong CM. Feather regeneration as a model for organogenesis. *Development, Growth & Differentiation* 55:139-48, 2013.
39. Chueh SC, Lin SJ, Chen CC, Lei M, Wang LM, Widelitz R, Hughes MW, Jiang TX, Chuong CM. Therapeutic strategy for hair regeneration: hair cycle activation, niche environment modulation, wound-induced follicle neogenesis, and stem cell engineering. *Expert Opinion on Biological Therapy*13:377-91, 2013.
40. Tsai TH#, Lin SJ#, Lee WR, Wang CC, Hsu CT, Chu T, Dong CY. Visualizing radiofrequency-induced skin interaction using multiphoton microscopy in vivo. *Journal of Dermatological Science* 65:95-101, 2012. (#equal contribution)
41. Jan HM, Wei MF, Peng CL, Lin SJ, Lai PS, Shieh MJ. The use of polyethylenimine-DNA to topically deliver hTERT to promote hair growth. *Gene Therapy* 19:86-93, 2012.
42. Lo W, Ghazaryan A, Tso CH, Hu PS, Chen WL, Kuo TR, Lin SJ, Chen SJ, Chen CC, Dong CY. Oleic acid-enhanced transdermal delivery pathways of fluorescent nanoparticles. *Applied Physics Letters* 100: 213701, 2012.
43. Chan CC, Lin SJ*. Porphyria cutanea tarda. *New England Journal of Medicine* 365: 1128, 2011.
44. Lin SJ, Chuong CM. Toward isolation and culture of melanocyte stem cells. *Journal of Investigative Dermatology* 131: 2341-2343, 2011.
45. Hughes MW, Wu P, Jiang TX, Lin SJ, Dong CY, Li A, Hsieh FJ, Widelitz RB, Chuong CM. In search of the Golden Fleece: unraveling principles of morphogenesis by studying the integrative biology of skin appendages. *Integrative Biology* 3:388-407, 2011.

46. Kuo TR, Lee CF, Lin SJ, Dong CY, Chen CC, Tan HY. Study of intracorneal distribution and cytotoxicity of quantum dots: risk assessment of eye exposure. *Chemical Research in Toxicology* 24:253-61, 2011.
47. Yen CM, Chan CC, Lin SJ*. High-throughput reconstitution of epithelial-mesenchymal interaction in folliculoid microtissues by biomaterial-facilitated self-assembly of dissociated heterotypic adult cells. *Biomaterials* 31:4341-4352, 2010.
48. Yang TL, Hsiao YC, Lin SJ, Lee HW, Lou PJ, Ko JY, Young TH. Biomaterial mediated epithelial-mesenchymal interaction of salivary tissue under serum free condition. *Biomaterials* 31:288-95, 2010.
49. Chan CC, Lin SJ*. Serpentine supravenuous hyperpigmentation. *New England Journal of Medicine* 363:e8, 2010.
50. Wang CC, Wu RJ, Lin SJ, Chen YF, Dong CY. Label-free discrimination of normal and pulmonary cancer tissues using multiphoton fluorescence ratiometric microscopy. *Applied Physics Letters* 97: 043706, 2010.
51. Wang CC, Li FC, Lin WC, Chen YF, Chen SJ, Lin SJ*, Dong CY. Early development of cutaneous cancer revealed by intravital nonlinear optical microscopy. *Applied Physics Letters* 97: 113702, 2010.
52. Huang HP, Yu CY, Chen HF, Chen PH, Chuang CY, Lin SJ, Huang ST, Chan WH, Ueng TH, Ho HN, Kuo HC. Factors from human embryonic stem cell-derived fibroblasts-like cells promote topology-dependent hepatic differentiation in primate embryonic and induced pluripotent stem cells. *Journal of Biological Chemistry* 285: 33510-33519, 2010.
53. Kuo TR, Hovhannisyan VA, Chao YC, Chao SL, Chiang SJ, Lin SJ, Dong CY, Chen CC. Multiple release kinetics of targeted drug from gold nanorod embedded polyelectrolyte conjugates induced by near-infrared laser irradiation. *Journal of the American Chemical Society* 132:14163-71, 2010.
54. Chiu HY, Lin SJ*. Fibrosing alopecia in a pattern distribution. *Journal of the European Academy of Dermatology & Venereology* 24:1113-4, 2010.
55. Chiu HY, Lin SJ*. Female pattern hair loss in a patient with 17 α -hydroxylase deficiency. *Acta Dermato-Venereologica* 90:329-30, 2010.
56. Su PJ, Chen WL, Hong JB, Li TH, Wu RJ, Chou CK, Lin SJ, Dong CY. Discrimination of collagen in normal and pathological dermis through polarization second harmonic generation. *Proceedings of SPIE* 7569, 75692A, 2010.
57. Wang CC, Li FC, Wu RJ, Hovhannisyan VA, Lin WC, Lin SJ, Xo PTC, Dong CY. Differentiation of normal and cancerous lung tissues by multiphoton imaging. *Proceedings of SPIE* 7561, 756112, 2010.
58. Lo W, Hsu CT, Kuo TR, Wu CL, Chiang SJ, Lin SJ, Chen SJ, Chen CC, Dong CY. Monitoring chemically enhanced transdermal delivery of zinc oxide nanoparticles by using multiphoton microscopy. *Proceedings of SPIE* 7548, 75480P, 2010.
59. Chen WL, Li TH, Su PJ, Chou CK, Fwu PT, Lin SJ, Kim D, So PTC, Dong CY. Second-order susceptibility imaging with polarization-resolved second harmonic generation microscopy. *Proceedings of SPIE* 7569, 75691P, 2010.
60. Young TH, Tu HR, Chan CC, Huang YC, Yen MH, Cheng NC, Chiu HC, Lin SJ*. The enhancement of dermal papilla cell aggregation by extracellular matrix proteins through effects on cell-substratum adhesivity and cell motility. *Biomaterials* 30:5031-40, 2009.
61. Chen WL, Chou CK, Lin MG, Chen YF, Jee SH, Tan HY, Tsai TH, Kim KH, Kim D, So PT, Lin SJ*, Dong

- CY. Single-wavelength reflected confocal and multiphoton microscopy for tissue imaging. *Journal of Biomedical Optics* 14:054026, 2009.
62. Lin SJ, Tan HY, Kuo CJ, Wu RJ, Wang SH, Chen WL, Jee SH, Dong CY. Multiphoton autofluorescence spectral analysis for fungus imaging and identification. *Applied Physics Letters* 95:043703, 2009.
63. Hovhannisyan VA, Su PJ, Lin SJ*, Dong CY. Quantifying thermodynamics of collagen thermal denaturation by second harmonic generation imaging. *Applied Physics Letters* 94:233902, 2009. (selected in Virtual Journals in Biological Physics Research)
64. Wang CC, Li FC, Wu RJ, Hovhannisyan VA, Lin WC, Lin SJ, So PT, Dong DY. Differentiation of normal and cancerous lung tissues by multiphoton imaging. *Journal of Biomedical Optics* 14: 044034, 2009.
65. Chan CC, Lin SJ, Chan YC, Liao YH. Infestation by Norwegian scabies. *Canadian Medical Association Journal* 181:289, 2009.
66. Su PJ, Chen WL, Hong JB, Li TH, Wu RJ, Chou CK, Chen SJ, Hu C, Lin SJ*, Dong CY. Discrimination of collagen in normal and pathological skin dermis through second-order susceptibility microscopy. *Optics Express* 17: 11161-11171, 2009.
67. Tsai TH, Jee SH, Chan JY, Lee JN, Lee WR, Dong CY, Lin SJ*. Visualizing laser-skin interaction *in vivo* by multiphoton microscopy. *Journal of Biomedical Optics* 14: 024034, 2009.
68. Chen WL, Li TH, Su PJ, Chou CK, Fwu PT, Lin SJ, Kim D, PTC, Dong CY. Second harmonic generation tensor microscopy for tissue imaging. *Applied Physics Letters* 94:183902, 2009. (selected in Virtual Journals in Biological Physics Research)
69. Kuo TR, Wu CL, Hsu CT, Lo W, Chiang SJ, Lin SJ, Dong CY, Chen CC. Chemical enhancer induced changes in the mechanisms of transdermal delivery of zinc oxide nanoparticles. *Biomaterials* 30:3002-8, 2009.
70. Tjiu JW, Chen JS, Shun CT, Lin SJ, Liao YH, Chu CY, Tsai TF, Chiu HC, Dai YS, Inoue H, Yang PC, Kuo ML, Jee SH. Tumor-associated macrophage-induced invasion and angiogenesis of human basal cell carcinoma cells by cyclooxygenase-2 induction. *Journal of Investigative Dermatology* 129:1016-25, 2009. (highlighted in the editorials)
71. Tsai TH, Jee SH, Dong CY, Lin SJ*. Multiphoton microscopy in dermatological imaging. *Journal of Dermatological Science* 56:1-8, 2009.
72. Young TH, Lee CY, Chiu HC, Hsu CJ, Lin SJ*. Self-assembly of dermal papilla cells into inductive spheroidal microtissues on poly (ethylene-co-vinyl alcohol) membranes for hair follicle regeneration. *Biomaterials* 29:3521-30, 2008.
73. Lee JN, Jee SH, Lo W, Chan CC, Dong CY, Lin SJ*. The effect of depilatory agents as a penetration enhancer on human stratum corneum structures. *Journal of Investigative Dermatology* 128:2240-7, 2008. (Issue cover and highlighted in the editorials)
74. Lin CY, Hovhannisyan V, Wu JT, Lin CW, Chen JH, Lin SJ*, Dong CY. Label-free imaging of *Drosophila* larva by multiphoton autofluorescence and second harmonic generation microscopy. *Journal of Biomedical Optics* 13:050502, 2008. (selected in Virtual Journals in Biological Physics Research)
75. Chou CK, Chen WL, Fwu PT, Lin SJ, Lee HS, Dong CY. Polarization ellipticity compensation in polarization second-harmonic generation microscopy without specimen rotation. *Journal of Biomedical Optics* 13:014005, 2008. (selected in Virtual Journals in Biological Physics Research)

76. Sun Y, Tan HY, Lin SJ, Lee HS, Lin TY, Jee SH, Young TH, Lo W, Chen WL, Dong CY. Imaging tissue engineering scaffolds using multiphoton microscopy. *Microscopy Research and Technique* 71:140-5, 2008.
77. Hung JB, Lin SJ*. Frontal fibrosing alopecia in a premenopausal woman: a case report. *Dermatologica Sinica* 26:28-33, 2008.
78. Chan CJ#, Lin SJ#, Hwang JJ, Sun CC, Jeng JS, Hwang BS, Chiu HC, Chen MF, Liao CS, Hsu HJ, Su TC. Xanthelasma is not associated with increased risk of carotid atherosclerosis in normolipidaemia. *International Journal of Clinical Practice* 62:221-7, 2008. (#equal contribution)
79. Tan YH, Lin MG, Hsiao WC, Lin SJ, Wen LK, Chen WL, Dong CY, Young TH. Characterizing phase-separated microstructure of polymeric blended membrane using combined multiphoton and reflected confocal imaging. *Optics Express* 16:3818-27, 2008.
80. Lin SJ, Lee JN, Lin CY, Chan CC, Lin MG, Wang CC, Tan HY, Tsai TH, Jee SH, Dong CY. Investigation of the mechanism of transdermal penetration enhancer: a comparison of multiphoton microscopy and electron microscopy. *Proceedings of SPIE* 6842, 684203, 2008.
81. Tsai TH, Lee JN, Chan JY, Hsu JT, Tan HY, Dong CY, Lee WR, Lin SJ*. Monitoring laser-tissue interaction by non-linear optics. *Proceedings of SPIE* 6842, 684202, 2008.
82. Lo W, Tan HY, Lin MG, Hsueh CM, Chen WL, Lin SJ, Jee SH, Dong CY. Forward- and backward-second harmonic generation imaging of corneal and scleral collagen. *Proceedings of SPIE* 6860, 68600F, 2008.
83. Lin CY, Hovhannisyanyan V, Wu JT, Lin SJ, Lin CW, Chen JH, Dong CY. Label-free in vivo imaging of *Drosophila melanogaster* by multiphoton microscopy. *Proceedings of SPIE*. 6860, 686019, 2008.
84. Teng SW, Tan HY, Sun Y, Lin SJ, Lo W, Hsueh CM, Hsiao CH, Lin WC, Huang SC, Dong CY. Multiphoton fluorescence and second harmonic generation microscopy for imaging structural alterations in corneal scar tissue in penetrating full-thickness wound. *Archives of Ophthalmology* 125:977-8, 2007.
85. Tan HY, Sun Y, Lo W, Teng SW, Wu RJ, Jee SH, Lin WC, Hsiao CH, Lin HC, Chen JF, Ma D, Huang S, Lin SJ*, Dong CY. Multiphoton fluorescence and second harmonic generation microscopy for imaging infectious keratitis. *Journal of Biomedical Optics* 12:024013, 2007. (selected in Virtual Journals in Biological Physics Research)
86. Hong JB, Chiu HC, Chan JY, Chen RJ, Lin SJ*. A woman with iatrogenic androgenetic alopecia responding to finasteride. *British Journal of Dermatology* 156:754-5, 2007.
87. Lin SJ*, Jee SH, Dong CY. Multiphoton microscopy: a new paradigm in dermatological imaging. *European Journal of Dermatology* 17:361-366, 2007.
88. Chen WL, Sun Y, Lin SJ, Jee SH, Chen YF, Lin LC, So PT, Dong CY. Second-harmonic generation investigation of collagen thermal denaturation. *Proceedings of SPIE* 6442: 64421D, 2007.
89. Tan HY, Lin MG, Lin SJ, Hsiao WC, Wen LK, Chen WL, Young TH, Dong CY. Structural analysis of blended materials using multiphoton autofluorescence and second harmonic generation microscopy. *Proceedings of SPIE* 6439: 643904, 2007.
90. Lo W, Chang YL, Sun Y, Lin SJ, Jee SH, Tan HY, Dong CY. In-vitro visualization of corneal wound healing in an organ culture model using multiphoton autofluorescence and second harmonic generation microscopy. *Proceedings of SPIE* 6426: 642617, 2007.
91. Lo W, Tan HY, Chang YL, Sun Y, Lin SJ, Jee SH, Dong CY. Demonstration of structural alterations in

- experimental corneal infectious model using multiphoton microscopy. *Proceedings of SPIE* 6426:64260Y, 2007.
92. Lin MG, Chen WL, Lo W, Tan HY, Tsai TH, Jee SH, Lin SJ*, Dong CY. Three-dimensional skin imaging using the combination of reflected confocal and multiphoton microscopy. *Proceedings of SPIE* 6424: 64240E, 2007.
93. Lin SJ, Hsu CJ, Wu RJ, Kuo CJ, Chen JS, Chan JY, Lin WC, Jee SH, Dong CY. Quantitative multiphoton imaging for guiding basal-cell carcinoma removal. *Proceedings of SPIE* 6424: 642404, 2007.
94. Tan HY, Sun Y, Lo W, Lin SJ, Hsiao CH, Chen YF, Huang SC, Lin WC, Jee SH, Yu HS, Dong CY. Multiphoton fluorescence and second harmonic generation imaging of the structural alterations in keratoconus *ex vivo*. *Investigative Ophthalmology & Visual Science* 47:5251-9, 2006.
95. Lin MG, Yang TL, Chiang CT, Kao HC, Lee JN, Lo W, Jee SH, Chen YF, Dong CY, Lin SJ*. Evaluation of dermal thermal damage by multiphoton autofluorescence and second harmonic generation (SHG) microscopy. *Journal of Biomedical Optics* 11:064006, 2006.
96. Hsiao CY, Sun Y, Chen WL, Tung CK, Lo W, Su JW, Lin SJ, Jee SH, Jan GJ, Dong CY. Effects of different immersion media in multiphoton imaging of the epithelium and dermis of human skin. *Microscopy Research and Technique* 69:992-7, 2006.
97. Lin SJ, Jee SH, Kuo CJ, Wu RJ, Lin WC, Chen JS, Liao YH, Hsu CJ, Tsai TF, Chen YF, Dong CY. Discrimination of basal cell carcinoma from normal dermal stroma by quantitative multiphoton imaging. *Optics Letters* 31: 2756-2758, 2006. (selected in Virtual Journals in Biological Physics Research)
98. Lin SJ, Lo W, Tan HY, Chan JY, Chen WL, Wang SH, Sun Y, Lin WC, Chen JS, Hsu CJ, Tjiu JW, Yu HS, Jee SH, Dong CY. Prediction of heat-induced collagen shrinkage by use of second harmonic generation microscopy. *Journal of Biomedical Optics* 11:034020, 2006.
99. Lin SJ, Hsiao WC, Jee SH, Tsai TF, Yu HS, Lai JY, Young TH. Study on the effect of nylon-chitosan blended membranes on the spheroid forming activity of human melanocytes. *Biomaterials* 27:5079-88, 2006.
100. Sun Y, Chen WL, Lin SJ, Jee SH, Chen YF, Lin LC, So PTC, Dong CY. Investigating mechanisms of collagen thermal denaturation by high resolution second-harmonic generation imaging. *Biophysical Journal* 91:2620-5, 2006.
101. Lin SJ, Jee SH, Hsiao WC, Yu HS, Tsai TF, Chen JS, Hsu CJ, Young TH. Enhanced cell survival of melanocyte spheroids in serum starvation condition. *Biomaterials* 27: 1462-1469, 2006.
102. Lin SJ, Hsiao WC, Hsu CJ, Chen JS, Jee SH, Tsai TF, Yu HS, Young TH. The effect of serum concentration on the spheroid forming activity and cell growth of human melanocytes on chitosan surface. *Biomedical Engineering- Applications, Basis and Communications* 18:42- 46, 2006.
103. Tjiu JW, Liao YH, Lin SJ, Huang YL, Tsai WL, Chu CY, Kuo ML, Jee SH. Cyclooxygenase-2 over-expression in human basal cell carcinoma cell line increases antiapoptosis, angiogenesis and tumorigenesis. *Journal of Investigative Dermatology* 126:1143-51, 2006.
104. Teng SW, Tan HY, Peng JL, Lin HH, Kim KH, Lo W, Sun Y, Lin WC, Lin SJ, Jee SH, So PTC, Dong CY. Multiphoton autofluorescence and second-harmonic generation (SHG) imaging of ex-vivo porcine eye. *Investigative Ophthalmology & Visual Science* 47:1216-24, 2006.
105. Sun Y, Lo W, Wu RJ, Lin SJ, Lin WC, Jee SH, Tan HY, Dong CY. Multiphoton microscopy for imaging infectious keratitis: demonstration of the pattern of microbial spread in an experimental model. *Proceedings of SPIE* 6138: 426-433, 2006.

106. Sun Y, Lo W, Lin SJ, Lin WC, Jee SH, Tan HY, Dong CY. Multiphoton fluorescence and second harmonic generation microscopy for imaging keratoconus. *Proceedings of SPIE* 6138: 123-130, 2006.
107. Chen WL, Lo W, Sun Y, Lin SJ, Tan HY, Dong CY. The combination of multiphoton and reflected confocal microscopy for cornea imaging. *Proceedings of SPIE* 6138:114-122, 2006.
108. Lin SJ, Chen JS, Lo W, Sun Y, Chen WL, Chan JY, Tan HY, Lin WC, Hsu CJ, Young TH, Jee SH, Dong CY. Monitoring of collagen shrinkage by use of second harmonic generation microscopy. *Proceedings of SPIE* 6084: 196-205, 2006.
109. Yang TL, Chiang CT, Kao HC, Lo W, Lin SJ*, Jee SH, Chen YF, Dong CY. Imaging of skin dermal thermal damage by multiphoton autofluorescence and second harmonic generation (SHG) microscopy. *Proceedings of SPIE* 6078:15-23, 2006.
110. Lin SJ, Jee SH, Chan JY, Wu RJ, Lo W, Tan HY, Lin WC, Chen JS, Young TH, Hsu CJ, Dong CY. Monitoring photoaging by use of multiphoton fluorescence and second harmonic generation microscopy. *Proceedings of SPIE* 6078: 8-14, 2006.
111. Li FC, Wang CC, Lin SJ, Jee SH, Lo W, Dong CY. Dorsal skin fold chamber for high resolution multiphoton imaging. *Optical and Quantum Electronics* 37:1439-1445, 2005.
112. Lin SJ, Wu RJ, Tan HY, Lo W, Lin WC, Young TH, Hsu CJ, Chen JS, Jee SH, Dong CY. Evaluating cutaneous photoaging by use of multiphoton fluorescence and second harmonic generation microscopy. *Optics Letters* 30: 2275-7, 2005. (selected in Virtual Journals in Biological Physics Research)
113. Lin SJ, Jee SH, Hsiao WC, Lee SJ, Young TH. Formation of melanocyte spheroids on the chitosan-coated surface. *Biomaterials* 26:1413-1422, 2005.
114. Lin SJ, Hsiao CY, Sun Y, Lo W, Lin WC, Jan GJ, Jee SH, Dong CY. Monitoring the thermally induced structural transitions of collagen using second harmonic generation microscopy. *Optics Letters* 30:622-4, 2005. (selected in Virtual Journals in Biological Physics Research)
115. Chan CC, Chen JS, Tsai TF, Lin SJ*. A cervical congenital asymptomatic atrophic band connected with a cephalad nipple-like projection: Rhabdomyomatous mesenchymal hamartoma in midline cervical cleft. *Archives of Dermatology* 141:1161-6, 2005.
116. Tan HY, Teng SW, Lo W, Lin WC, Lin SJ, Jee SH, Dong CY. Characterizing the thermally induced structural transitions to intact porcine eye I: Second harmonic generation imaging of cornea stroma. *Journal of Biomedical Optics* 10:54019, 2005.
117. Lo W, Sun Y, Lin SJ, Jee SH, Dong CY. Spherical aberration correction in multiphoton fluorescence imaging using objective correction collar. *Journal of Biomedical Optics* 10: 034006, 2005.
118. Lin SJ, Wu RJ, Lo W, Sun Y, Jee SH, Dong CY. Multiphoton fluorescence and second harmonic generation microscopy of different skin states. *Proceedings of SPIE* 5686, 67-72, 2005.
119. Teng SW, Peng JL, Lin HH, Wu HY, Lo W, Sun Y, Lin WC, Lin SJ, Jee SH, Tan HY, Dong CY. Ophthalmic imaging using multiphoton microscopy. *Proceedings of SPIE* 5688, 53-58, 2005.
120. Sun Y, Su JW, Lo W, Lin SJ, Jee SH, Dong CY. Applications of multiphoton polarization and generalized polarization microscopy in elucidating transdermal delivery pathways. *Proceedings of SPIE* 5686, 59-66, 2005.
121. Teng SW, Peng JL, Lin HH, Wu HY, Tan HY, Lo W, Lin WC, Lin SJ, Jee SH, Dong CY. Two-photon and second harmonic generation microscopy of porcine eye: implications to conductive keratoplasty. *Proceedings of*

SPIE 5700, 303-310, 2005.

122. Sun Y, Hsiao CY, Teng SW, Lo W, Tan HY, Lin SJ, Jan GJ, Lin WC, Jee SH, Dong CY. Characterization of thermally induced transitions of collagen using second harmonic generation (SHG) microscopy. *Proceedings of SPIE* 5698, 273-280, 2005.

123. Tjiu JW, Lin SJ, Wang LF, Shih JY, Yu CJ, Liang CW, Chu CY. Digital infarcts showing microangiopathy in adult dermatomyositis suggest severe pulmonary involvement and poor prognosis. *British Journal of Dermatology* 150:1214-6, 2004.

124. Hsiao CY, Sun Y, Lo W, Lin SJ, Jee SH, Jan GJ, Dong CY. Imaging condition optimization in multiphoton microscopy of three-dimensional collagen fibers structures. *Journal of the Chinese Chemical Society* 51: 1115-1120, 2004.

125. Chih-Kuan Tung, Sun Y, Lo W, Lin SJ, Jee SH, Dong CY. Effects of objective numerical apertures on achievable imaging depths in multiphoton microscopy. *Microscopy Research and Technique* 65: 308-14, 2004.

126. Sun Y, Lo W, Lin SJ, Jee SH, Dong CY. Multiphoton polarization and generalized polarization (GP) microscopy reveals oleic-acid-induced structural changes in intercellular lipid layers of the skin. *Optics Letters* 29:2013-2015, 2004.

127. Tso CH, Lo W, Huang PY, Hsu TL, Yeh CC, Lin SJ, Jee SH, Chia-Chun Chen, Dong CY. Monitoring the transdermal delivery of fluorescent nanoparticles using multiphoton fluorescence microscopy. *Proceedings of SPIE* 5323, 360-364, 2004.

128. Young CS, Chu CY, Lin SJ *. Vitiligo universalis associated with Evans syndrome and antiphospholipid syndrome —A case report and review of the literature. *Dermatologica Sinica* 22: 093-099, 2004.

129. Sun Y, Su JW, Lo W, Lin SJ, Jee SH, Dong CY. Multiphoton polarization imaging of the stratum corneum and the dermis in ex-vivo human skin. *Optics Express* 11: 3377-3384, 2003. (elected in Virtual Journals in Biological Physics Research)

130. Lin SJ, Chiu HC. An asymptomatic preauricular subcutaneous nodule in a 65-year-old woman. Cutaneous angiomylipoma. *Archives of Dermatology* 139:381-6, 2003.

131. Tung CK, Chiu TK, Lo W, Wang PH, Lin SJ, Jee SH, Dong CY. Effects of index mismatch induced spherical aberration on two-photon imaging in skin and tissue-like constructs. *Proceedings of SPIE* 4963, 95-104, 2003.

132. Shiao YL, Lin SJ, Tsai TF. Oral ulcer and multiple painful eruptions in a patient with chronic psoriasis: Methotrexate-induced cutaneous necrolysis. *Dermatologica Sinica* 21: 207-208, 2003.

133. Lin SJ, Chiu HC. Adult multiple xanthogranulomas with spontaneous resolution. *Acta Dermato-Venereologica* 83:157-8, 2003.

134. Lin SJ, Hsu CJ, Chiu HC. Erythema ab igne caused by frequent hot bathig. Erythema ab igne caused by frequent hot bathing. *Acta Dermato- Venereologica* 82:478-9, 2002.

135. Tsai TF, Hu CY, Tsai WL, Chu CY, Lin SJ, Liaw SH, Chiang BL, Lin PJ, Jee SH. HLA-Cw6 specificity and polymorphic residues are associated with susceptibility among Chinese psoriatics in Taiwan. *Archives of Dermatological Research* 294:214-20, 2002.

136. Lin SJ, Tsai TF. A painless swelling on the anterior surface of the auricle in a 73-year-old man (Pseudocyst of the auricle). *Dermatologica Sinica* 20: 267-268, 2002.

137. Lin SJ, Tsai TF, Hsiao CH. Sebaceous trichofolliculoma. *Dermatologica Sinica* 19:357-362, 2001.
138. Lin SJ, Tsai TF, Hsiao CH. Hydroxyurea-induced symmetrical lower leg ulcers. *Dermatologica Sinica* 19:249-254, 2001.
139. Ko JL, Lin SJ, Hsu CI, Kao CL, Lin JY. Molecular cloning and expression of a fungal immunomodulatory protein, FIP-five, from *Flammulina velutipes*. *Journal of the Formosan Medical Association* 96:517-24, 1997.