

**CURRICULUM VITAE**

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**EDUCATION**

1973-78	National Taiwan University	BVM	Veterinary Medicine
1979-83	University of Iowa	Ph.D.	Microbiology

**CERTIFICATION**

1978 Veterinary medical licensure, Taiwan

**PRINCIPAL POSITIONS HELD**

1983-88	Linus Pauling Institute	Research Scientist	Oncology
1988-91	California Institute for Medical Research	Senior Scientist	Oncology
1991-93	Palo Alto Medical Foundation	Senior Scientist	Oncology
1993-97	University of California, San Francisco	Assistant Research	Stomatology
1997-2000	University of California, San Francisco	Assistant Professor	Urology
1997-now	Molecular Urology Laboratory, UCSF	Research Director	Urology
2000-2006	University of California, San Francisco	Associate Professor	Urology
2006-now	University of California, San Francisco	Professor	Urology

**HONORARY PROFESSORSHIP**

2005-now Peking University, Beijing Visiting Professor Andrology

2008-now Fu-Jen Catholic University, Taipei Chair Professor Medicine

## SERVICE TO PROFESSIONAL PUBLICATIONS

### EDITORIAL BOARD

- 2004-now Asian Journal of Andrology  
2009-now World Journal of Stem Cells  
2010-now Journal of Stem Cell Research & Therapy  
2010-now Journal of Cytology & Histology  
2010-now Journal of Geriatric Cardiology  
2010-now ISRN Urology

### REVIEWER FOR THE FOLLOWING JOURNALS

- Acta Biomaterialia  
American Journal of Physiology  
ASAIO Journal  
Asian Journal of Andrology  
Biomaterials  
Biotechniques  
BJU International  
Cell Proliferation  
Clinical and Developmental Immunology  
Current Pharmaceutical Design  
Cytotherapy  
DNA and Cell Biology  
Expert Opinion on Therapeutic Targets  
Expert Review of Obstetrics & Gynecology  
Future Medicine  
Gene  
International Journal of Impotence Research  
International Journal of Cancer  
International Journal of Urology  
Journal of Biological Chemistry  
Journal of Cell and Animal Biology  
Journal of Ethnopharmacology  
Journal of Molecular and Cellular Cardiology  
Journal of Neuroscience Research  
Journal of Sexual Medicine  
Journal of Urology  
Laboratory Investigation  
Letters in Drug Design & Discovery  
Life Sciences  
Molecular and Cellular Biology

Neurourology & Urodynamics  
Pharmacogenomics  
Proceedings of National Academy of Sciences, USA  
Stem Cells  
Stem Cells and Development  
Seminars in Cancer Biology  
Tissue and Cell  
Trends in Molecular Medicine  
Urology  
Vascular Pharmacology

**PEER-REVIEWED PUBLICATIONS** (Red numbers indicate corresponding authorship)

125 Peer-reviewed publications

42 First-author publications

71 Corresponding-author publications

1. **Lin CS.** Nucleotide sequence of the essential region of bacteriophage P4. *Nucleic Acids Res.* 12: 8667-84, 1984.
2. Leavitt J, Gunning P, Porreca P, Ng SY, **Lin CS**, and Kedes L. Molecular cloning and characterization of mutant and wild-type human  $\beta$ -actin genes. *Mol. Cell Biol.* 4: 1961-9, 1984.
3. **Lin CS**, Ng SY, Gunning P, Kedes L, and Leavitt J. Identification and order of sequential mutations in  $\beta$ -actin genes isolated from increasingly tumorigenic human fibroblast strains, *Proc. Natl. Acad. Sci. USA.* 82: 6995-9, 1985.
4. Kedes L, Ng SY, **Lin CS**, Gunning P, Eddy R, Shows T, and Leavitt J. The human beta-actin multigene family. *Transactions of the Association of American Physicians* 98: 42-6, 1985.
5. **Lin CS**, and Leavitt J. Cloning and characterization of a cDNA encoding transformation-sensitive tropomyosin isoform 3 from tumorigenic human fibroblasts, *Mol. Cell Biol.* 8: 160-8, 1988.
6. **Lin CS**, Aebersold RH, Kent SB, Varma M, and Leavitt J. Molecular cloning and characterization of plastin, a human leukocyte protein expressed in transformed human fibroblasts. *Mol. Cell Biol.* 8: 4659-68, 1988.
7. **Lin CS**, Aebersold RH, and Leavitt J. Correction of the N-terminal sequences of the human plastin isoforms by using anchored polymerase chain reaction: identification of a potential calcium-binding domain. *Mol. Cell Biol.* 10:1818-21, 1990.
8. Gunning P, Gordon M, Wade R, Gahmann R, **Lin CS**, and Hardeman E. Differential control of tropomyosin mRNA levels during myogenesis suggests the existence of an isoform

- competition-autoregulatory compensation control mechanism. *Dev. Biol.* 138: 443-53, 1990.
9. Halling C, Calendar R, Christie GE, Dale EC, Finkel S, Flensburg J, Kahn ML, Lane KB, **Lin CS**, Lindqvist BH, Pierson LS, Six EW, Sunshine MG, and Ziermann R. DNA sequence of satellite bacteriophage P4. *Nucleic Acids Res.* 18: 1649, 1990.
  10. de Arruda M, Watson S, **Lin CS**, Leavitt J, and Matsudaira P. Fimbrin is a homolog of the cytoplasmic phosphoprotein plastin and has domains homologous with calmodulin and actin gelation proteins. *J. Cell Biol.* 111: 1069-79, 1990.
  11. **Lin CS**, Park T, Chen ZP, Ghosh K, and Leavitt J. Human plastin genes: comparative gene structure, chromosome location, and differential expression in normal and neoplastic cells. *J. Biol. Chem.* 268: 2781-92, 1993.
  12. **Lin CS**, Chen ZP, Park T, and Leavitt J. Characterization of the human L-plastin gene promoter in normal and neoplastic cells. *J. Biol. Chem.* 268: 2793-801, 1993.
  13. Novy RE, Liu LF, **Lin CS**, Helfman DM, and Lin JJC. Expression of smooth muscle and nonmuscle tropomyosins in *Escherichia coli* and characterization of bacterially produced tropomyosins. *Biochimica et Biophysica Acta* 1162: 255-65, 1993.
  14. **Lin CS**, Zhang K, and Kramer RH.  $\alpha 6$  integrin is up-regulated in step-increments accompanying neoplastic transformation and tumorigenic conversion of human fibroblasts. *Cancer Res.* 53: 2950-3, 1993.
  15. Ziobr BL, Vu MP, Waleh N, Crawford J, **Lin CS**, and Kramer RH. Alternative extracellular and cytoplasmic domains of the integrin  $\alpha 7$  subunit are differentially expressed during development. *J. Biol. Chem.* 268: 26773-83, 1993.
  16. Novy RE, Liu LF, **Lin CS**, and Lin JJC. Human fibroblast tropomyosin isoforms: characterization of cDNA clones and analysis of tropomyosin isoform expression in human tissues and in normal and transformed cells. *Cell Motil. Cytoskeleton.* 25: 267-81, 1993.
  17. **Lin CS**, Shen W, Chen ZP, Tu YH, and Matsudaira P. Identification of I-plastin, a human fimbrin isoform expressed in intestine and kidney. *Mol. Cell Biol.* 14: 2457-67, 1994.
  18. Adams AEM, Shen W, **Lin CS**, Leavitt J, and Matsudaira P. Isoform-specific complementation of the yeast *sac6* null mutation by human fimbrin. *Mol. Cell Biol.* 15: 69-75, 1995.
  19. Ziobr BL, **Lin CS**, and Kramer RH. Laminin-binding integrins in tumor progression and metastasis. *Seminars Cancer Biol.* 7: 119-128, 1996.
  20. **Lin CS**, Chang CH, and Huynh T. The murine L-plastin gene promoter: Identification and comparison with the human L-plastin gene promoter DNA and *Cell Biol.* 16: 9-16, 1997.

21. Beviglia L, Matsumoto K, **Lin CS**, Ziobor BL, and Kramer RH. Expression of the c-Met/HGF receptor in human breast carcinoma: correlation with tumor progression. *Intl J. Cancer* 74: 301-9, 1997.
22. **Lin CS**, Chen YQ, Huynh T, and Kramer RH. Identification of the human  $\alpha$ 6 integrin gene promoter. *DNA and Cell Biol.* 16: 929-37, 1997.
23. **Lin CS**. A method to reverse the order of multiple cloning sites. *BioTechniques* 23: 220-1, 1997.
24. **Lin CS**, Lau A, and Lue TF. Analysis and mapping of plastin phosphorylation. *DNA and Cell Biol.* 17: 1041-1046, 1998.
25. **Lin CS**, Lau A, Bakircioglu E, Tu R, Wu F, Week S, Nunes L, and Lue TF. Analysis of Neuronal Nitric Oxide Synthase Isoform Expression and Identification of Human nNOS- $\mu$ . *Biochem. Biophys. Res. Comm.* 253: 388-94, 1998.
26. **Lin CS**, Lau A, Huynh T, and Lue TF. Differential regulation of human T-plastin gene in leukocytes and non-leukocytes: Identification of the promoter, enhancer, and CpG island. *DNA and Cell Biol.* 18: 17-27, 1999.
27. **Lin CS**, El-Sakka AI, Chui RM, Dahiya R, and Lue TF. Effects of diabetes on nitric oxide synthase and growth factor genes and protein expression in an animal model. *Intl. J. Impot. Res.* 11:123-32, 1999.
28. Ruan H, Wang J, Hu L, **Lin CS**, Lamborn KR, and Deen DF. Killing of brain tumor cells by hypoxia-responsive element mediated expression of BAX. *Neoplasia* 1: 431-7, 1999.
29. Bakircioglu ME, Sievert KD, Lau A, **Lin CS**, and Lue TF. The effect of pregnancy and delivery on the function and ultrastructure of the rat bladder and urethra. *BJU Intl.* 85: 350-61, 2000.
30. **Lin CS**, Lau A, Yeh CC, Chang CH, and Lue TF. Up-regulation of L-plastin gene by testosterone in breast and prostate cancer cells: identification of three cooperative androgen receptor binding sequences. *DNA and Cell Biol.* 19: 1-7, 2000.
31. **Lin CS**, Lau A, Tu R, and Lue TF. Expression of three isoforms of cGMP-binding cGMP-specific phosphodiesterase (PDE5) in human penile cavernosum. *Biochem. Biophys. Res. Commun* 268: 628-35, 2000.
32. **Lin CS**, Lau A, Tu R, and Lue TF. Identification of three alternative first exons and an intronic promoter of human PDE5A gene. *Biochem. Biophys. Res. Commun.* 268: 596-602, 2000.
33. Bakircioglu ME, Hsu K, El-Sakka A, Sievert KD, **Lin CS**, and Lue TF. Effect of a Chinese herbal medicine mixture on a rat model of hypercholesterolemic erectile dysfunction. *J. Urol.*

164(5): 1798-801, 2000.

34. **Lin CS**, Chow S, Lau A, Tu R, and Lue TF. Identification and regulation of human PDE5A gene promoter. *Biochem. Biophys. Res. Commun.* 280: 684-92, 2001.
35. **Lin CS**, Chow S, Lau A, Tu R, and Lue TF. Regulation of human PDE5A2 intronic promoter by cAMP and cGMP: identification of a critical Sp1-binding site. *Biochem. Biophys. Res. Commun.* 280: 693-9, 2001.
36. **Lin CS**, Liu X, Spencer EM, and Lue TF. Insulin-like growth factor-I promotes proliferation and migration of cavernous smooth muscle cells. *Biochem. Biophys. Res. Commun.* 280: 1307-15, 2001.
37. Bakircioglu ME, **Lin CS**, Fan P, Sievert KD, Wefer J, Kan YW, and Lue TF. The effect of adeno-associated virus-mediated brain-derived neurotrophic factor in an animal model for neurogenic impotence. *J. Urol.* 165: 2103-9, 2001.
38. **Lin CS**, Liu X, Graziottin T, Resplande J, and Lue TF. Vascular endothelial growth factor promotes proliferation and migration of cavernous smooth muscle cells. *J. Urol.* 166: 354-60, 2001.
39. **Lin CS**, Ho HC, Gholami S, Chen KC, Jad A, and Lue TF. Gene expression profiling of an arteriogenic impotence model. *Biochem. Biophys. Res. Commun.* 285: 565-9, 2001.
40. Bakircioglu ME, Sievert KD, Nunes L, Lau A, **Lin CS**, and Lue TF. Decreased trabecular smooth muscle and caveolin-1 expression in penile tissue of aged rats. *J. Urol.* 166: 734-8, 2001.
41. **Lin CS**, and Lue TF. Application of molecular biology to impotence research. *Molec. Urol.* 91-8, 2001.
42. **Lin CS**, Liu X, Tu R, Chow S, and Lue TF. Age-related decrease of protein kinase G activation in vascular smooth muscle cells. *Biochem. Biophys. Res. Commun.* 287: 244-8, 2001.
43. El-Sakka AI, Yen TS., **Lin CS**, and Lue TF. Traumatic arteriogenic erectile dysfunction: a rat model. *Intl. J. Impot. Res.* 13:162-71, 2001.
44. Lee MC, El-Sakka AI, Graziottin T, Ho HC, **Lin CS**, and Lue TF. The effect of vascular endothelial growth factor on a rat model of traumatic arteriogenic erectile dysfunction. *J. Urol.* 167: 761-9, 2002.
45. **Lin CS**, Chow S, Lau A, Tu R, and Lue TF. Human PDE5A gene encodes three PDE5 isoforms from two alternate promoters. *Intl. J. Impot. Res.* 14: 15-24, 2002.

- 46.** Lin CS, Liu X, Chow S, and Lue TF. Cyclic AMP and cyclic GMP activate protein kinase G in cavernous smooth muscle cells: Old age is a negative factor. *BJU Intl.* 89: 576-82, 2002.
47. Resplante J, Gholami SS, Graziottin TM, Rogers R, **Lin CS**, Leng W, Lue TF. Long-term effect of ovariectomy and simulated birth trauma on the lower urinary tract of female rats. *J. Urol.* 168: 323-30, 2002.
- 48.** Lin CS, Ho HC, Chen KC, Lin G, Nunes L, and Lue TF. Intracavernous injection of vascular endothelial growth factor induces nitric oxide synthase isoforms. *BJU Intl.* 89: 955-60. 2002.
- 49.** Lin CS, Lin G, Chen KC, Ho HC, and Lue TF. Vascular endothelial growth factor induces IP-10 chemokine expression. *Biochem. Biophys. Res. Commun.* 292: 79-82, 2002.
- 50.** Lin CS, Lin G, Wang Z, Maddah SA, and Lue TF. Upregulation of monocyte chemoattractant protein 1 and effects of transforming growth factor-beta 1 in Peyronie's disease. *Biochem. Biophys. Res. Commun.* 295: 1014-9, 2002.
51. Gholami GS, Gonzalez-Cadavid NF, **Lin CS**, Rajfer J, and Lue TF. Peyronie's disease: A review. *J. Urol.* 169: 1234-41, 2002.
52. Rogers RS, Graziottin TM, **Lin CS**, Fan P, Kan YW, and Lue TF. Intracavernosal vascular endothelial growth factor (VEGF) injection and adeno-associated virus-mediated VEGF gene therapy prevent and reverse venogenic erectile dysfunction in rats. *Intl. J. Impot. Res.* 15: 26-37, 2003.
53. Gholami SS, Rogers R, Chang J, Ho HC, Graziottin T, **Lin CS**, and Lue TF. The effect of VEGF and adeno-associated virus mediated BDNF on neurogenic and vasculogenic erectile dysfunction induced by hyperlipidemia. *J. Urol.* 169: 1577-81, 2003.
54. Xin ZC, Kim EK, **Lin CS**, Liu WJ, Tian L, Yuan YM, and Fu J. Effects of icariin on cGMP-specific PDE5 and cAMP-specific PDE4 activities. *Asian J. Androl.* 5:15-8, 2003.
- 55.** Lin CS, Xin ZC, Lin G, and Lue TF. Phosphodiesterases as therapeutic targets. *Urology* 61: 685-91, 2003.
- 56.** Lin CS, Lin G, and Lue TF. Isolation of two phosphodiesterase 5 isoforms from rat penis. *Intl. J. Impot. Res.* 15: 129-36, 2003.
- 57.** Lin G, Xin ZC, Lue TF, and **Lin CS**. Up- and down-regulation of phosphodiesterase-5 as related to tachyphylaxis and priapism. *J. Urol.* 170: S15-8, 2003.
58. Hsieh PS, Bochinski DJ, Lin GT, Nunes L, **Lin CS**, and Lue TF. The effect of vascular endothelial growth factor and brain-derived neurotrophic factor on cavernosal nerve regeneration in a nerve-crush rat model. *BJU Intl.* 92: 470-5, 2003.

59. Xin Z, Liu W, Tian L, Yuan Y, Xin H, Fu J, Lin G, **Lin CS**, and Lue TF. Studies on the testis regression related gene profile in aged male. Beijing Da Xue Xue Bao 35:364-8, 2003.
60. Lin G, Chen KC, Hsieh PS, Lue TF, and **Lin CS**. Neurotrophic effects of vascular endothelial growth factor and neurotrophins on cultured major pelvic ganglia. BJU Intl. 92: 631-5, 2003.
61. Wang Z, Lin G, Lue TF, and **Lin CS**. Wogonin suppresses cellular proliferation and expression of monocyte chemoattractant protein 1 in Peyronie's plaque-derived cells. BJU Intl. 92: 753-7, 2003.
62. Bochinski D, Hsieh PS, Nunes L, Lin GT, **Lin CS**, Spencer EM, and Lue TF. Effect of insulin-like growth factor-1 and insulin-like growth factor binding protein-3 complex in cavernous nerve cryoablation. Int. J. Impot. Res. 16: 418-23, 2004.
63. Lin G, Chow S, Lin J, Wang G, Lue TF, and **Lin CS**. Effect of cell passage and density on protein kinase G expression and activation in vascular smooth muscle cells. J. Cell. Biochem. 92: 104-12, 2004.
64. Wang Z, Liu JF, Zhou ZH, Zhang YF, Wang WJ, Zhang P, Selcuk Y, Lin G, and **Lin CS**. Gene expression profiles and effects of transforming growth factor-beta1 intervention in Peyronie's disease. Zhonghua Wai Ke Za Zhi 42: 182-6, 2004.
65. **Lin CS**. Tissue expression, distribution, and regulation of PDE5. Int. J. Impot. Res. 16 Suppl 1: S8-10, 2004.
66. **Lin CS** and Lue TF. Growth factor therapy and neuronal nitric oxide synthase. Int. J. Impot. Res. 16 Suppl 1: S38-9, 2004.
67. Bochinski D, Lin GT, Nunes L, Carrion R, Rahman N, **Lin CS**, and Lue TF. The effect of neural embryonic stem cell therapy in a rat model of cavernous nerve injury. BJU Intl. 94:904-9, 2004.
68. Padma-Nathan H, Christ G, Adaikan G, Becher E, Brock G, Carrier S, Carson C, Corbin J, Francis S, DeBusk R, Eardley I, Hedlund H, Hutter A, Jackson G, Kloner R, **Lin CS**, McVary K, McCullough A, Nehra A, Porst H, Schulman C, Seftel A, Sharlip I, Stief C, and Teloken C. Pharmacotherapy for erectile dysfunction. J. Sex. Med. 1:128-40, 2004.
69. Murai M, Shen X, Huang L, Carpenter WM, **Lin CS**, Silverman S, Regezi J, and Kramer RH. Overexpression of c-met in oral SCC promotes hepatocyte growth factor-induced disruption of cadherin junctions and invasion. Int. J. Oncol. 25: 831-40, 2004.
70. **Lin CS**, Lin G, and Lue TF. Cyclic nucleotide signaling in cavernous smooth muscle. J. Sex. Med. 2:478-91, 2005.
71. Lin G, Hayashi N, Carrion R, Chang LJ, Lue TF, and **Lin CS**. Improving erectile function by

- silencing phosphodiesterase-5. *J. Urol.* 174:1142-8, 2005.
72. Lin G, Wang Z, Liu B, Lue TF, and **Lin CS**. Identification of potential biomarkers of Peyronie's disease. *Asian J. Androl.* 7:237-43, 2005.
73. Li J, Shiroyanagi Y, Lin G, Haqq C, **Lin CS**, Lue TF, Willingham E, and Baskin LS. Serum response factor, its cofactors, and epithelial-mesenchymal signaling in urinary bladder smooth muscle formation. *Differentiation* 74: 30-9, 2006
74. Bella AJ, Lin G, Tantiwongse K, Garcia M, **Lin CS**, and Lue TF. Brain-derived neurotrophic factor (BDNF) acts primarily via the JAK/STAT pathway to promote neurite growth in the major pelvic ganglion of the rat: part 1. *J. Sex. Med.* 3:815-20, 2006.
75. Lin G, Bella AJ, Lue TF, and **Lin CS**. Brain-derived neurotrophic factor (BDNF) acts primarily via the JAK/STAT pathway to promote neurite growth in the major pelvic ganglion of the rat: part 2. *J. Sex. Med.* 3:821-7, 2006.
76. Lin G, Xin ZC, Lue TF, and **Lin CS**. Phosphodiesterase-5 isoforms: differential cyclic guanyl monophosphate binding and cyclic guanyl monophosphate catalytic activities, and inhibitory effects of sildenafil and vardenafil. *J. Urol.* 176:1242-7, 2006.
77. **Lin CS**, Lin G, Xin ZC, and Lue TF. Expression, Distribution, and regulation of phosphodiesterase 5. *Current Pharm. Design* 12:3439-57, 2006.
78. Ning H, Lin G, Lue TF, and **Lin CS**. Neuron-like differentiation of adipose tissue-derived stromal cells and vascular smooth muscle cells. *Differentiation* 74:1-9, 2006.
79. Ning H, Xin ZC, Lin G, Banie L, Lue TF, and **Lin CS**. Effects of icariin on phosphodiesterase-5 activity in vitro and cGMP level in cavernous smooth muscle cells. *Urology* 68:1350-4, 2006.
80. Bella AJ, Lin G, Garcia MM, Tantiwongse K, Brant WO, **Lin CS**, and Lue TF. Upregulation of penile brain-derived neurotrophic factor (BDNF) and activation of the JAK/STAT signaling pathway in the major pelvic ganglion of the rat after cavernous nerve transection. *Eur. Urol.* 52:574-80, 2007.
81. Liu B, Lin G, Willingham E, Ning H, **Lin CS**, Lue T, and Baskin L. Estradiol upregulates activating transcription factor 3, a candidate gene in the etiology of hypospadias. *Pediatr. Dev. Pathol.* 10:446-54, 2007.
82. Wang Z, Liu BC, Lin GT, **Lin CS**, Lue TF, Willingham E, and Baskin LS. Up-regulation of estrogen responsive genes in hypospadias: microarray analysis. *J. Urol.* 177:1939-46, 2007.
83. Lin G, Lue TF, and **Lin CS**. The in vitro and in vivo experimental models of erectile nerve regeneration. *Zhonghua Nan Ke Xue.* 13:1059-63, 2007.
84. Ning H, Lin G, Fandel T, Banie L, Lue TF, and **Lin CS**. Insulin growth factor signaling

mediates neuron-like differentiation of adipose tissue-derived stem cells. *Differentiation* 76: 488-94, 2008.

85. **Lin CS**, Xin ZC, Deng CH, Ning H, Lin G, and Lue TF. Recent advances in andrology-related stem cell research. *Asian J. Androl.* 10:171-5, 2008.
86. **Lin CS**, Xin ZC, Wang Z, Lin G, and Lue TF. Molecular Yin and Yang of erectile function and dysfunction. *Asian J. Androl.* 10:433-40, 2008.
87. Fandel TM, Bella AJ, Lin G, Tantiwongse K, **Lin CS**, Pohl J, and Lue TF. Intracavernous growth differentiation factor-5 therapy enhances the recovery of erectile function in a rat model of cavernous nerve injury. *J. Sex. Med.* 5:1866-75, 2008.
88. Banie L, Lin G, Ning H, Wang G, Lue TF, and **Lin CS**. Effects of Estrogen, Raloxifene, and Levormeloxifene on Alpha-1A Adrenergic Receptor Expression. *J. Urol.* 180:2241-6, 2008.
89. Lin G, Garcia M, Ning H, Banie L, Guo YL, Lue TF, and **Lin CS**. Defining stem and progenitor cells within adipose tissue. *Stem Cells Dev.* 17:1053-63, 2008.
90. Lin G, Shindel AW, Banie L, Deng D, Wang G, Hayashi N, **Lin CS**, and Lue TF. Molecular Mechanisms Related to Parturition-Induced Stress Urinary Incontinence. *Eur. Urol.* 55:1213-22, 2009.
91. Ning H, Liu G, Lin G, Garcia M, Li LC, Lue TF, and **Lin CS**. Identification of an aberrant cell line among human adipose tissue-derived stem cell isolates. *Differentiation* 77:172-80, 2009.
92. **Lin CS**. Phosphodiesterase type 5 regulation in the penile corpora cavernosa. *J. Sex. Med. Supple* 3:203-9, 2009.
93. Lin G, Banie L, Ning H, Bella AJ, **Lin CS**, and Lue TF. Potential of adipose-derived stem cells for treatment of erectile dysfunction. *J. Sex. Med. Supple* 3:320-7, 2009.
94. Bella AJ, Lin G, **Lin CS**, Hickling DR, Morash C, and Lue TF. Nerve growth factor modulation of the cavernous nerve response to injury. *J. Sex. Med. Supple* 3:347-52, 2009.
95. Yang R, Huang YC, Lin G, Wang G, Hung S, Dai YT, Sun ZY, Lue TF, and **Lin CS**. Lack of direct androgen regulation of PDE5 expression. *Biochem. Biophys. Res. Commun.* 380:758-62, 2009.
96. Ning H, Liu G, Lin G, Yang R, Lue TF, and **Lin CS**. Fibroblast growth factor 2 promotes endothelial differentiation of adipose tissue-derived stem cells. *J. Sex. Med.* 6:967-79, 2009.
97. Lin G, Huang YC, Shindel AW, Banie L, Wang G, Lue TF, and **Lin CS**. Labeling and Tracking of Mesenchymal Stromal Cells with EdU. *Cytotherapy* 11:864-73, 2009.

98. Ning H, Huang YC, Banie L, Hung S, Lin G, Li LC, Lue TF, and **Lin CS**. MicroRNA Regulation of Neuron-like Differentiation of Adipose Tissue-Derived Stem Cells. *Differentiation* 78:253-9, 2009.
99. Lin G, Wang G, Liu G, Yang L, Chang LJ, Lue TF, and **Lin CS**. Treatment of type 1 diabetes with adipose tissue-derived stem cells expressing pancreatic duodenal homeobox 1. *Stem Cells Dev.* 18:1399-406, 2009.
100. Lin G, Wang G, Banie L, Ning H, Shindel AW, Fandel TM, Lue TF, and **Lin CS**. Treatment of Stress Urinary Incontinence with Adipose Tissue-Derived Stem Cells. *Cyotherapy* 12:88-95, 2010.
101. Lin G, Shindel AW, Fandel TM, Bella AJ, **Lin CS**, and Lue TF. Neurotrophic effects of brain-derived neurotrophic factor and vascular endothelial growth factor in major pelvic ganglia of young and aged rats. *BJU Int.* 105:114-20, 2010.
102. Garcia MM, Fandel TM, Lin G, Shindel AW, Banie L, **Lin CS**, and Lue TF. Treatment of erectile dysfunction in the obese type 2 diabetic ZDF rat with adipose tissue-derived stem cells. *J. Sex. Med.* 7:89-98, 2010.
103. Huang YC, Shindel AW, Ning H, Lin G, Harraz AM, Wang G, Garcia M, Lue TF, and **Lin CS**. Adipose Derived Stem Cells Ameliorate Hyperlipidemia-associated Detrusor-overactivity in a Rat Model System. *J. Urol.* 183:1232-40, 2010.
104. **Lin CS**. Advances in stem cell therapy for the lower urinary tract. *World J. Stem Cells* 2:1-4, 2010.
105. **Lin CS**, Xin ZC, Deng CH, Ning H, Lin G, and Lue TF. Defining Adipose Tissue-Derived Stem Cells in Tissue and in Culture. *Histol. Histopathol.* 25:807-15, 2010.
106. Lin G, Yang R, Banie L, Wang G, Ning H, Li LC, Lue TF, and **Lin CS**. Effects of Transplantation of Adipose Tissue-Derived Stem Cells on Prostate Tumor. *The Prostate* 170:1066-73, 2010.
107. Huang YC, Ning H, Shindel AW, Fandel TM, Lin G, Harraz AM, Lue TF, and **Lin CS**. The Effect of Intracavernous Injection of Adipose Tissue-Derived Stem Cells on Hyperlipidemia-associated Erectile Dysfunction in a Rat Model. *J. Sex. Med.* 7:1391-400, 2010.
108. Shindel AW, Lin G, Ning H, Banie L, Huang YC, Liu G, **Lin CS**, and Lue TF. Pentoxyfylline attenuates TGF-Beta1 stimulated collagen deposition and elastogenesis in human tunica albuginea derived fibroblasts Part 1: Impact on extracellular matrix. *J. Sex. Med.* 7:2077-85, 2010.
109. Lin G, Shindel AW, Banie L, Ning H, Huang YC, Liu G, **Lin CS**, and Lue TF. Pentoxyfylline attenuates TGF-Beta1 stimulated collagen deposition and elastogenesis in human tunica albuginea derived fibroblasts Part 2: Interference in a TGF-Beta1/Smad dependent mechanism and down-regulation of AAT1. *J. Sex. Med.* 7:1787-97, 2010.

110. Shindel AW, Xin ZC, Lin G, Fandel TM, Huang YC, Banie L, Breyer BN, Garcia MM, **Lin CS**, and Lue TF. Erectogenic and neurotrophic effects of icariin, a purified extract of horny goat weed (*Epimedium spp.*) in vitro and in vivo. *J. Sex. Med.* 7:1518-28, 2010.
111. Lin G, Huang YC, Wang G, Lue TF, **Lin CS**. Prominent Expression of Phosphodiesterase 5 in the Striated Muscle of Rat Urethra and Levator Ani. *J. Urol.* 184:769-74, 2010.
112. Lue J, Lin G, Ning H, Xiong A, **Lin CS**, and Glenn JS. Transdifferentiation of adipose-derived stem cells into hepatocytes: a new approach. *Liver Int.* 30:913-22, 2010.
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