

聯絡方式

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現職

- 高雄醫學大學牙醫學系 教授 2018/08 ~迄今

學歷

東海大學	生物學系	學士	1991/09 – 1995/06
東海大學	生物學系	碩士	1995/09 – 1997/06
台灣大學	分子醫學研究所	博士	1997/09 – 2003/06

經歷

- 高雄醫學大學牙醫學系 教授 2018/08 ~迄今
- 高雄醫學大學牙醫學系 副教授 2013/08-2018/07
- 高雄醫學大學牙醫學系 助理教授 2008/08-2013/07
- 高雄醫學大學骨科學研究中心 博士後研究員 2004-2008

研究專長及領域

- 細胞生物學
- 分子生物學
- 骨生理學
- 生物材料學

著作目錄

期刊論文

(依年度排序 · 最新的排前面) * 通訊作者

1	Lee KD, Chiang MH, Chen PH, Ho ML, Lee HZ, Lee HE, Wang YH*. The effect of low-level laser irradiation on hyperglycemia-induced inflammation in human gingival fibroblasts. <i>Lasers in Medical Science</i> 2019;34:5-913-920
2	Yan-Hsiung Wang, Jyun-Yi Wu, Su Chii Kong, Min-Hsuan Chiang, Mei-Ling Ho, Ming-Long Yeh, Chia-Hsin Chen Low Power Laser Irradiation and Human Adipose-derived Stem Cell Treatments Promote Bone Regeneration in Critical-Sized Calvarial Defects in Rats. <i>PLOS ONE</i> 2018;13:4-e0195337
3	Tien-Ching Lee, Yan-Hsiung Wang, Shih-Hao Huang, Chung-Hwan Chen, Mei-Ling Ho, Yin-Chih Fu*, Chih-Kuang Wang* Evaluations of Clinical-Grade Bone Substitute-Combined Simvastatin Carriers to Enhance Bone Growth: in vitro and in vivo analyses, <i>Journal of Bioactive and Compatible Polymers</i> 2018;7:12-1-18
4	Chen CH, Lin YH, Chen CH, Wang YH, Yeh ML, Cheng TL, Wang CZ*. Transforming growth factor beta 1 mediates the low-frequency vertical vibration enhanced production of tenomodulin and type I collagen in rat Achilles tendon. <i>PLOS ONE</i> 2018;13:10-e0205258.
5	Chau-Zen Wang, Yan-Hsiung Wang, Che-Wei Lin, Tien-Ching Lee, Yin-Chih Fu, Mei-Ling Ho, Chih-Kuang Wang* Combination of a bioceramic scaffold and simvastatin nanoparticles as a synthetic alternative to autologous bone grafting. <i>Int J Mol Sci.</i> 2018;19:12-E4099
6	Mei-Chun Yeh, Ker-Kong Chen, Min-Hsuan Chiang, Chia-Hsin Chen, Ping-Ho Chen, Huey-Er Lee and Yan-Hsiung Wang Low-power laser irradiation inhibits arecoline-induced fibrosis: an in vitro study. <i>International Journal of Oral Science</i> 2017;9:1-38-42
7	Lee JH, Chiang MH, Chen PH, Ho ML, Lee HE, Wang YH. Anti-inflammatory effects of low-level laser therapy on human periodontal ligament cells: in vitro study. <i>Lasers Med Sci</i> 2017;00:00-00
8	Tsung-Lin Cheng, Chao-Han Lai, Shyh-Jou Shieh, Yin-Bo Jou, Jwu-Lai Yeh, Ai-Lun Yang, Yan-Hsiung Wang, Chau-Zen Wang, Chung-Hwan Chen, Guey-Yueh Shi, Mei-Ling Ho*, Hua-Lin Wu* Myeloid thrombomodulin lectin-like domain inhibits osteoclastogenesis and inflammatory bone loss. <i>Scientific Reports</i> 2016;?6:--28340
9	Chiang MH, Chen PH, Chen YK, Chen CH, Ho ML, Wang YH. Characterization of a Novel Dermal Fibrosis Model Induced by Areca Nut Extract that Mimics Oral Submucous Fibrosis. <i>PLoS One</i> 2016;11:11-e0166454
10	Yin-Chih Fu, Yan-Hsiung Wang, Chung-Hwan Chen, Chih-Kuang Wang, Gwo-Jaw Wang, Mei-Ling Ho* Combination of calcium sulfate and simvastatin-controlled release microspheres enhances bone repair in critical-sized rat calvarial bone defects. <i>International Journal of Nanomedicine</i> 2015;10:--7231-7240
11	Shyh-Jong Wu, Yun-Ju Chen, Tien-Yu Shieh, Chun-Ming Chen, Yen-Yun Wang, Kun-Tsung Lee, Yueh-Ming Lin, Pei-Hsuan Chien, and Ping-Ho Chen* Association study between novel CYP26 polymorphisms and the risk of betel quid-related malignant oral disorders. <i>The Scientific World Journal</i> 2015;Article ID:Article ID-9

12	Yi-Jen Chen, Yan-Hsiung Wang, Chau-Zen Wang, Mei-Ling Ho, Po-Lin Kuo, Mao-Hsiung Huang, Chia-Hsin Chen Effect of low level laser therapy on chronic compression of the dorsal root ganglion. PLOS ONE 2014;9:3-e89894(1-8)
13	Chau-Zen Wang, Yin-Chih Fu, Yan-Hsiung Wang, Po-Len Liu, Shih-Ciang Jian, Mei-Ling Ho, Chih-Kuang Wang* Synthesis and characterization of cationic polymeric nanoparticles as simvastatin carriers for enhancing the osteogenesis of bone marrow mesenchymal stem cells. Journal of Colloid and Interface Science 2014;432:--190-199
14	Chau-Zen Wang, Yi-Jen Chen, Yan-Hsiung Wang, Ming-Long Yeh, Mao-Hsiung Huang, Mei-Ling Ho, Jen-I Liang and Chia-Hsin Chen* Low-level laser irradiation improves functional recovery and nerve regeneration in sciatic nerve crush rat injury model, PLOS ONE 2014;9:8-e103348(1-11)
15	Wang YH, Wu JY, Chou PJ, Chen CH, Wang CZ, Ho ML, Chang JK, Yeh ML, Chen CH* Characterization and evaluation of the differentiation ability of human adipose-derived stem cells growing in scaffold-free suspension culture. Cytotherapy 2014;16:4-485-495
16	Ping-Ho Chen, Ka-Wo Lee, Cheng-Chieh Hsu, Jeff Yi-Fu Chen, Yan-Hsiung Wang, Ker-Kong Chen, Hui-Min David Wang, Hung-Wern Huang*, Bin Huang* Expression of a Splice Variant of CYP26B1 in Betel Quid-Related Oral Cancer. Scientific World Journal 2014;2014:--810561
17	Chen PH, Huang B, Shieh TY, Wang YH, Chen YK, Wu JH, Huang JH, Chen CC*, Lee KW* The influence of monoamine oxidase variants on the risk of betel quid-associated oral and pharyngeal cancer. Scientific World Journal 2014;2014:--183548(1-8)
18	Chia-Hsin Chen, Chau-Zen Wang, Yan-Hsiung Wang, Wei-Ting Liao, Yi-Jen Chen, Chang-Hung Kuo, Hsuan-Fu Kuo, and Chih-Hsing Hung Effects of Low-Level Laser Therapy on M1-Related Cytokine Expression in Monocytes via Histone Modification. Mediators of Inflammation 2014;2014:2014-ID625048
19	Chung-Hwan Chen, Yi-Shan Lin, Yin-Chih Fu, Chih-Kuang Wang, Shun-Cheng Wu, Gwo-Jaw Wang, Rajalakshmanan Eswaramoorthy, Yan-Hsiung Wang, Chau-Zen Wang, Yao-Hsien Wang, Sung-Yen Lin, Je-Ken Chang, Mei-Ling Ho* Electromagnetic fields enhance chondrogenesis of human adipose-derived stem cells in a chondrogenic microenvironment in vitro. Journal of Applied Physiology 2013;114:5-647-655
20	Yin-Chih Fu, Chung-Hwan Chen, Chau-Zen Wang, Yan-Hsiung Wang, Je-Ken Chang, Gwo-Jaw Wang, Mei-Ling Ho*, Chih-Kuang Wang* Preparation of Porous Bioceramics Using Reverse Thermo-Responsive Hydrogels in Combination with rhBMP-2 Carriers: In Vitro and In Vivo Evaluation. Journal of the Mechanical Behavior of Biomedical Materials 2013;27:--64-76
21	Jyun-Yi Wu, Chia-Hsin Chen, Li-Yin Yeh, Ming-Long Yeh, Chun-Chan Ting and Yan-Hsiung Wang* Low-power laser irradiation promotes the proliferation and osteogenic differentiation of human periodontal ligament cells via cyclic adenosine monophosphate. International Journal of Oral Science 2013;5:2-85-91
22	Yan-Hsiung Wang, Yin-Chih Fu, Hui-Chi Chiu, Chau-Zen Wang, Shao-Ping Lo, Mei-Lin Ho, Po-Len Liu, Chih-Kuang Wang Cationic nanoparticles with quaternary ammonium functionalized PLGA-PEG-based copolymers for potent gene transfection. Journal of Nanoparticle Research 2013;15:11-2077--2092
23	Jyun-Yi Wu, Yan-Hsiung Wang, Gwo-Jaw Wang, Mei-Ling Ho, Chau-Zen Wang, Ming-Long Yeh., Chia-Hsin Chen Low-Power GaAlAs Laser Irradiation Promotes the Proliferation and Osteogenic Differentiation of Stem Cells via IGF1 and

	BMP2. PLOS ONE 2012;7:9-e44027
24	Hui-Ting Chen, Mon-Juan Lee, Chung-Hwan Chen, Shu-Chun Chuang, Mei-Ling Ho, Shao-Hung Hung, Yin-Chih Fu, Yan-Hsiung Wang, Hsin-I Wang, Gwo-Jaw Wang, Lin Kang, Je-Ken Chang Proliferation and differentiation potential of human adipose-derived mesenchymal stem cells isolated from elderly patients with osteoporotic fractures. Journal of Cellular and Molecular Medicine 2012;16:3-582-593
25	Chen HT, Lee MJ, Chen CH, Chuang SC, Chang LF, Ho ML, Hung SH, Fu YC, Wang YH, Wang HI, Wang GJ, Kang L, Chang JK. Proliferation and differentiation potential of human adipose-derived mesenchymal stem cells isolated from elderly patients with osteoporotic fractures. J Cell Mol Med. 2011 2011;0:0-doi: 10.1111/j.1582-4934
26	Wang CZ, Wang GJ, Ho ML, Wang YH, Yeh ML, Chen CH Low-magnitude vertical vibration enhances myotube formation in C2C12 myoblasts. J Appl Physiol 2010;109:3-840-848
27	Chen CH, Tsai JL, Wang YH, Lee CL, Chen JK, Huang MH* Low-level laser irradiation promotes cell proliferation and mRNA expression of type I collagen and decorin in porcine achilles tendon fibroblasts In Vitro. J Orthop Res. 2009;27:5-646-650
28	Wang YH, Ho ML, Chang JK, Chu HC, Lai SC, Wang GJ. Microporation Is a Valuable Transfection Method for Gene Expression in Human Adipose Tissue-derived Stem Cells. Mol Ther. 2009;17:2-302-308

研究計劃

序號	計畫名稱	補助或委託機構	執行期限	執行情形	經費總額	計畫內擔任的工作
1	可製作色階陶瓷之漸層漿料混合裝置	高醫產品導向計畫	107/05/21 108/05/20	已結案	200,000	計畫主持人
2	以動物及細胞試驗建立檳榔萃取物誘發之口腔黏膜下纖維化及口腔癌並研究細胞激素 IL-6 在纖維化/癌化過程的影響(2/2)	科技部 (原國科會)	105/08/01 106/07/31	已結案	930,000	計畫主持人
3	含 simvastatin 控放型骨引導藥物應用於脊柱融合術之研究	產學合作	105/12/01 107/02/28	已結案	1,000,000	計畫主持人
4	子計畫十二、研究低能量雷射對高血糖症骨骼再生的效益	頂尖計畫 (高醫)	105/11/01 106/10/31	已結案	393,609	計畫主持人

序號	計畫名稱	補助或委託機構	執行期限	執行情形	經費總額	計畫內擔任的工作
5	以動物及細胞試驗建立檳榔萃取物誘發之口腔黏膜下纖維化及口腔癌並研究細胞激素 IL-6 在纖維化/癌化過程的影響(1/2)	科技部 (原國科會)	104/08/01 106/07/31	已結案	930,000	計畫主持人
6	子計畫十一、研究低能量雷射對高血糖症骨骼再生的效益	頂尖計畫 (高醫)	104/10/01 105/09/30	已結案	1,000,000	計畫主持人
7	研究低能量雷射對高血糖症骨骼再生的效益	頂尖計畫 (高醫)	103/08/01 104/07/31	已結案	967,602	計畫主持人
8	研發結合 BMP 基因轉殖人類間葉幹細胞與無支架的細胞懸浮培養系統治療骨折	科技部 (原國科會)	102/08/01 103/07/31	已結案	1,020,000	計畫主持人
9	不同波長之低能量雷射對牙周韌帶細胞之影響	新聘/ 升等研究計畫	099/02/01 099/12/31	已結案	400,000	計畫主持人
10	探討鈦合金經表面處理後對細胞的影響	產學合作	099/07/01 099/10/31	已結案	60,000	計畫主持人
11	研究牙周韌帶細胞中 Wnt signaling pathway 调控齒顎矯正時齒列移動的角色	新聘/ 升等研究計畫	098/01/01 098/12/31	已結案	350,000	計畫主持人