

聯絡方式

Name : 王彥雄(Wang, Yan-Hsiung)

E-mail : yhwang@kmu.edu.tw

Tel : : 88673121101 ext.2156



現職

- School of Dentistry(服務機關), Associate Professor(職稱), 2013-date (起迄日)

學歷

- Institute of Molecular Medicine, National Taiwan University (服務機關) 博士 1997-2003 (起迄日)
- Department of Biology, Tunghai University (服務機關) 碩士 1995-1997 (起迄日)
- Department of Biology, Tunghai University (服務機關) 學士 1991-1995 (起迄日)

經歷

- School of Dentistry(服務機關), Assistant Professor(職稱), 2008-2013 (起迄日)
- Orthopaedic Research Center (服務機關), Postdoctoral training fellow (職稱), 2004-2008 (起迄日)

研究專長及領域

- Cell biology;
- Molecular biology
- Bone physiology
- Biomaterial

著作目錄

期刊論文

(依年度排序·最新的排前面)* 通訊作者

1	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, Plos One 2018;13:4-e0195337
2	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, Journal of Bioactive and Compatible Polymers 2018;32:2-160-177
3	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, International Journal of Oral Science 2017;9:1-38-42
4	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., Lasers Med Sci 2017;00:00-00
5	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, Scientific Reports 2016;?6:--28340
6	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., PLoS One 2016;11:11-e0166454
7	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, International Journal of Nanomedicine 2015;10:--7231–7240
8	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., The Scientific World Journal 2015;Article ID:Article ID -9
9	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)
10	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
11	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)

12	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., <i>Cytotherapy</i> 2014;16:4-485-495
13	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, <i>Scientific World Journal</i> 2014;2014:--810561
14	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, <i>Scientific World Journal</i> 2014;2014:--183548(1-8)
15	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, <i>Mediators of Inflammation</i> 2014;2014:2014-ID625048
16	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., <i>JOURNAL OF APPLIED PHYSIOLOGY</i> 2013;114:5-647-655
17	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, <i>Journal of the Mechanical Behavior of Biomedical Materials</i> 2013;27:--64-76
18	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, <i>International Journal of Oral Science</i> 2013;5:2-85-91
19	Yan-Hsung 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, <i>JOURNAL OF NANOPARTICLE RESEARCH</i> 2013;15:11-2077--2092
20	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., <i>PLoS One</i> 2012;7:9-e44027
21	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, <i>JOURNAL OF CELLULAR AND MOLECULAR MEDICINE</i> 2012;16:3-582-593
22	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, <i>J Cell Mol Med.</i> 2011 2011;0:0-doi: 10.1111/j.1582-4934

23	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
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27	Mei-Ling Ho, Yi-Hui Chen, Hsiu-Jung Liao, Chung-Hean Chen, Shao-Hung Hung, Mon-Juan Lee, Yin-Chih Fu, Yan-Hsiung Wang, Gwo-Jaw Wang, Je-Ken Chang* Simvastatin increases osteoblasts and osteogenic proteins in ovariectomized rats, European Journal of Clinical Investigation 2009;39:4-296-303
28	Ru-Wei Lin, Chung-Hwan Chen, Yan-Hsiung Wang, Mei-Ling Ho, Shao-Hung Hung, Ih-Sheng Chen*, Gwo-Jaw Wang* (-)-Epigallocatechin Gallate Inhibition of Osteoclastic Differentiation via NF-Kb, Biochemical and Biophysical Research Communications 2009;379:4-1033-1037
29	葉青華, 張瑞根, 王彥雄, 何美玲, 王國照* Ethanol May Suppress Wnt/b-catenin Signaling on Human Bone, Clin Orthop Relat Res (2008) 466:1047-1053 2008;466:1-1047-1053

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	負溫感水膠技術應用在三維積層陶瓷列材料與機台整合開發(3/3)(107-2218-E-037-001-)	科技部	2018/05/01~ 2019/04/30	執行中	7,064,000	共同主持人
2	單胺氧化?(MAO)與兒茶酚氧位甲基轉移?(COMT)在檳榔致口腔及咽癌化中所扮演的角色及分子機轉(106-2314-B-037-014-)	科技部	2017/08/01~ 2018/07/31	執行中	955,000	共同主持人
3	負溫感水膠技術應用在三維積層陶瓷列材料與機台整合開發(2/3)(106-2218-E-037-001-)	科技部	2017/05/01~ 2018/04/30	已結案	7,017,000	共同主持人
4	廣域型低能量雷射治療應用於腦中風病患下肢肌肉之效益(105-2314-B-037-012-)	科技部	2016/08/01~ 2017/07/31	已結案	720,000	共同主持人
5	負溫感水膠技術應用在三維積層陶瓷列材料與機台整合開發(1/3)(105-2218-E-037-001-)	科技部	2016/05/01~ 2017/04/30	已結案	7,259,000	共同主持人
6	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(104-2314-B-037-059-MY2)	科技部	2015/08/01~ 2017/07/31	已結案	1,860,000	主持人
7	嚼檳榔者相關口腔惡性病變探討:檳榔-基因之聯合效應與代謝體學應用(104-2314-B-037-040-)	科技部	2015/08/01~ 2016/07/31	已結案	650,000	共同主持人
8	可製作色階陶瓷之漸層藥料混合裝置	高醫產品導向計畫	107/05/21 108/05/20	執行中	200,000	主持人
9	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	主持人
10	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	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
11	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	主持人
12	研究低能量雷射對高血糖症骨骼再生的效益 Study the effect of low level laser irradiation on bone regeneration in hyperglycemia	頂尖計畫 (高醫)	103/08/01 104/07/31	已結案	967,602	主持人