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## Education

PhD	1997-2003	Institute of Molecular Medicine, National Taiwan University
MS	1995-1997	Department of Biology, Tunghai University
BS	1991-1995	Department of Biology, Tunghai University

## Current position and relevant experience

2013-date	Associate Professor, School of Dentistry, College of Dental Medicine Kaohsiung Medical University
2008-2013	Assistant Professor, School of Dentistry, College of Dental Medicine, Kaohsiung Medical University
2004-2008	Postdoctoral training in Orthopaedic Research Center, Kaohsiung Medical University

## Specialty

1. Cell biology;
2. Molecular biology;
3. Bone physiology

## Reference:

1	Yi-Jen Chen, <u>Yan-Hsiung Wang</u> , 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)
2	Chau-Zen Wang, Yin-Chih Fu, <u>Yan-Hsiung Wang</u> , 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:--190-9
3	Chau-Zen Wang, Yi-Jen Chen, <u>Yan-Hsiung Wang</u> , 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;13:9-8-e103348(1-11)
4	<u>Wang YH</u> , 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
5	Ping-Ho Chen, Ka-Wo Lee, Cheng-Chieh Hsu, Jeff Yi-Fu Chen, <u>Yan-Hsiung Wang</u> , 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, The Scientific World Journal 2014;2014:810561-1-8
6	Chen PH, Huang B, Shieh TY, <u>Wang YH</u> , 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, The Scientific World Journal 2014;2014:183548-1-8

7	Chung-Hwan Chen, Yi-Shan Lin, Yin-Chih Fu, Chih-Kuang Wang, Shun-Cheng Wu, Gwo-Jaw Wang, Rajalakshmanan Eswaramoorthy, <u>Yan-Hsiung Wang</u> , 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
8	Yin-Chih Fu, Chung-Hwan Chen, Chau-Zen Wang, <u>Yan-Hsiung Wang</u> , 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;10:140-64-76
9	Jyun-Yi Wu, Chia-Hsin Chen, Li-Yin Yeh, Ming-Long Yeh, Chun-Chan Ting and <u>Yan-Hsiung Wang</u> * 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
10	<u>Yan-Hsiung Wang</u> , 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;15:1-2077--2092
11	Jyun-Yi Wu, <u>Yan-Hsiung Wang</u> , 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
12	Hui-Ting Chen, Mon-Juan Lee, Chung-Hwan Chen, Shu-Chun Chuang, Mei-Ling Ho, Shao-Hung Hung, Yin-Chih Fu, <u>Yan-Hsiung Wang</u> , 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
13	Chen HT, Lee MJ, Chen CH, Chuang SC, Chang LF, Ho ML, Hung SH, Fu YC, <u>Wang YH</u> , 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
14	Wang CZ, Wang GJ, Ho ML, <u>Wang YH</u> , Yeh ML, Chen CH Low-magnitude vertical vibration enhances myotube formation in C2C12 myoblasts., <i>J Appl Physiol</i> 2010;109:3-840-848
15	Chen CH, Tsai JL, <u>Wang YH</u> , 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, <i>J Orthop Res.</i> 2009;27:5-646-650
16	<u>Wang YH</u> , 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, <i>Mol Ther.</i> 2009;17:2-302-308
17	Ching-Hua Yeh, Je-Ken Chang, <u>Yan-Hsiung Wang</u> , Mei-Ling Ho, Gwo-Jaw Wang* Ethanol May Suppress Wnt/b-catenin Signaling on Human Bone, <i>Clin Orthop Relat Res</i> 2009;466:5-1047-1053
18	Mei-Ling Ho, Yi-Hui Chen, Hsiu-Jung Liao, Chung-Hean Chen, Shao-Hung Hung, Mon-Juan Lee, Yin-Chih Fu, <u>Yan-Hsiung Wang</u> , Gwo-Jaw Wang, Je-Ken Chang* Simvastatin increases osteoblasts and osteogenic proteins in ovariectomized rats, <i>European Journal of Clinical Investigation</i> 2009;39:4-296-303
19	Ru-Wei Lin, Chung-Hwan Chen, <u>Yan-Hsiung Wang</u> , Mei-Ling Ho, Shao-Hung Hung, Ih-Sheng Chen*, Gwo-Jaw Wang* (–)–Epigallocatechin Gallate Inhibition of Osteoclastic Differentiation via NF-Kb, <i>Biochemical and Biophysical Research Communications</i> 2009;379:4-1033-1037