

Guangwen Wu, Doctor of Medicine

Academy of Integrative Medicine,
Fujian University of Traditional Chinese Medicine,
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EDUCATION:

- Doctor of Medicine** (09/2011-07/2014) Academy of Integrative Medicine, Fujian University of Traditional Chinese Medicine, Fuzhou, Fujian P.R. China
- Master of Medicine** (09/2006-07/2009) Department of Orthopedics & Traumatology, Fujian University of Traditional Chinese Medicine, Fuzhou, Fujian P.R. China
- Bachelor of Medicine** (09/2001-07/2006) Department of Acupuncture & Massage, Fujian University of Traditional Chinese Medicine, Fuzhou, Fujian P.R. China

RESEARCH:

Focusing on the research of Osteoarthritis.

RESEARCH EXPERIENCE:

- 03/2013-03/2014** Visiting scholar,
Case Western Reserve University, Cleveland OH 44106-2429, USA
- 12/2016-PRESENT** Associate research fellow,
Deputy director of Osteopathy Institute Of Integrative Medicine
Academy of Integrative Medicine,
Fujian University of Traditional Chinese Medicine,
Fuzhou, Fujian, P.R. China 350122
- 12/2012-12/2016** Assistant research fellow,
Deputy director of Osteopathy Institute Of Integrative Medicine
Academy of Integrative Medicine,
Fujian University of Traditional Chinese Medicine,
Fuzhou, Fujian, P.R. China 350122
- 09/2009-12/2012** Probationer,
Academy of Integrative Medicine,

PROFESSIONAL SKILLS:

1. mRNA expression studies: isolation and purification of RNA; cDNA synthesis; RT-PCR.
2. Recombinant DNA technology (Subcloning): restriction enzyme digestion; ligation; transformation into *E.coli* cells; Plasmid Miniprep
3. SAS-PAGE; Western blotting; ELISA assay
4. Cell/tissue culture; cell transfection with DNA
5. Immunohistological Chemistry
6. Proficient in use of Microsoft Office (Excel, Word, PowerPoint)

PUBLICATIONS:

1. **GUANGWEN WU**, XIANXIANG LIU, MINGXIA WU, JINYAN ZHAO, WENLIE CHEN, RUHUI LIN and JIUMAO LIN. Experimental study of millimeter wave-induced differentiation of bone marrow mesenchymal stem cells into chondrocytes. INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE,2009;23(4):461-467.
2. **GUANGWEN WU**, JUN PENG, MINGXIA WU, YURONG LI, YUNMEI HUANG, RUHUI LIN, QIAOYAN CAI and XIANXIANG LIU. Experimental study of low-frequency electroacupuncture-induced differentiation of bone marrow mesenchymal stem cells into chondrocytes. INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE,2011;27(1):79-86.
3. **GUANGWEN WU**, THOMAS SFERRA, XUZHENG CHEN, YOUQIN CHEN, MINGXIA WU, HUIFENG XU, JUN PENG and XIANXIANG LIU. Millimeter wave treatment inhibits the mitochondrion-dependent apoptosis pathway in chondrocytes. MOLECULAR MEDICINE REPORTS, 2011;4(5):1001-1006.
4. **GUANGWEN WU**, JIANFENG CHU, ZHENGRONG HUANG, JINXIA YE, PANYU CHEN, CHUNSONG ZHENG, XIHAI LI, XIANXIANG LIU and MINGXIA WU. Xiao Jin Wan, a traditional Chinese herbal formula, inhibits proliferation via arresting cell cycle progression at the G2/M phase and promoting apoptosis via activating the mitochondrial - dependent pathway in U - 2OS human osteosarcoma cells. INTERNATIONAL JOURNAL OF ONCOLOGY,2013;42(3):1070-1080.
5. YALI HUANG*, **GUANGWEN WU***, HUAILING FAN, JINXIA YE and XIANXIANG LIU. Electroacupuncture promotes chondrocyte proliferation via accelerated G1/S transition in the cell cycle. INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE,2013;31(6):1443-1448.
6. **GUANGWEN WU**, WENLIE CHEN, HUAILING FAN, CHUNSONG ZHENG, JIANFENG CHU, RUHUI LIN, JINXIA YE, HUIFENG XU, XIHAI LI, YUNMEI HUANG, HONGZHI YE,

- XIANXIANG LIU and MINGXIA WU. Duhuo Jisheng Decoction promotes chondrocyte proliferation through accelerated G1/S transition in osteoarthritis. *INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE*,2013;32(5):1001-1010.
7. **GUANGWEN WU**, HUAILING FAN, YUANPENG HUANG, CHUNSONG ZHENG, JINXIA YE and XIANXIANG LIU. Duhuo Jisheng Decoction-containing serum promotes proliferation of interleukin-1 β -induced chondrocytes through the p16-cyclin D1/CDK4-Rb pathway. *MOLECULAR MEDICINE REPORTS*,2014;10(5):2525-2534.
8. JIE LIN*, **GUANGWEN WU***, JUN CHEN, CHANGLONG FU, XIUE HONG, LI LI, XIANXIANG LIU and MINGXIA WU. Electroacupuncture inhibits sodium nitroprusside-mediated chondrocyte apoptosis through the mitochondrial pathway. *MOLECULAR MEDICINE REPORTS*,2018;18:4922-4930.
9. JIE LIN*, **GUANGWEN WU***, ZHONGSHENG ZHAO, YANFENG HUANG, JUN CHEN, CHANGLONG FU, JINXIA YE and XIANXIANG LIU. Bioinformatics analysis to identify key genes and pathways influencing synovial inflammation in osteoarthritis. *MOLECULAR MEDICINE REPORTS*,2018;18:5594-5602.