



## CURRICULUM VITAE of Dr. WEI FANG YUAN ([footwfy@126.com](mailto:footwfy@126.com))

**Name: WEI FANG YUAN**

### Academic qualifications:

1993.9-1998.7 B. Med Kunming Medical University, Yunnan, China  
2009.9-2013.9 Ph.D. Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong

### Previous academic positions held:

1998.6-2004.6 Resident Department of Surgery, The First Affiliate Hospital of Kunming Medical College, China  
2004.6-2007.12 Attending Surgeon Division of Emergency Surgery/Trauma Center, The First Affiliate Hospital of Kunming Medical University, China  
2008.1-2009.9 Research Associate The Orthopaedic Department, The Warren Alpert Medical School of Brown University, USA

### Present academic position:

2013.9- Attending Surgeon The Foot & Ankle Orthopaedic Center, Beijing Tongren Hospital, Capital Medical University,

### Previous relevant research work:

Technical expertise Bone bio-imaging, Bone histomorphometry, Bone biology, Bone biomechanics, Stem cells  
Research area Molecular understandings and biophysical intervention based translational research in ankle cartilage pathogenesis, osteoarthritis, rheumatoid arthritis and fracture repair

**Publication Records:** 1 Theses; 2 Book Chapters; 4 SCI Papers;

### Representative publications in the past ten years

1. **Fangyuan Wei**, Douglas C. Moore, Yanlin Li, Xiaochun Wei, Joseph K. Lee, Lei Wei. Attenuation of Osteoarthritis via Blockade of the SDF-1/CXCR4 Signaling Pathway. *Arthritis Research & Therapy* 2012;14(4):R177
2. **Fangyuan Wei**, Jingming Zhou, Xiaochun Wei, Juntao Zhang, Braden C. Fleming, Richard Terek, Ming Pei, Qian Chen, Tao Liu, Lei Wei. Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. *Osteoarthritis and Cartilage* 2012;20(7):755-63
3. Wing-Hoi Cheung, Waiching Chin, **Fangyuan Wei**, Gang Li, Kwok-Sui Leung. Applications of Exogenous Mesenchymal Stem Cells and Low Intensity Pulsed Ultrasound Enhance Fracture Healing in Rat Model. *Ultrasound in Medicine & Biology* 2012. pii: S0301-5629(12)00516-9.
4. Wing-Hoi Cheung, Minghui Sun, Yongping Zheng, Chiuwing Chu, Honchi Leung, Ling Qin, **Fangyuan Wei**, Kwok-Sui Leung. Stimulated Angiogenesis for Fracture Healing Augmented by Low-Magnitude, High-Frequency Vibration in A Rat Model-Evaluation of Pulsed-Wave Doppler, 3-D Power Doppler Ultrasonography and Micro-CT Microangiography. *Ultrasound in Medicine & Biology* 2012. pii: S0301-5629(12)00442-5.