

## Curriculum Vitae

**Name:** Pengcheng Liu **Gender:** Male **Nationality:** Chinese

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### Higher Education Background:

Research Scholar on Orthopedic pathology	Brown University, Providence, USA
Ph. D. on Surgery (Orthopaedic)	Tongji University, Shanghai, P.R. China
Master Degree on Clinical Medicine (Orthopaedic)	Nanjing Medical University, Nanjing, P.R. China
Bachelor Degree on Clinical Medicine	Nanjing Medical University, Nanjing, P.R. China

### Editorial Board Member:

Annals of Orthopedics and Musculoskeletal Disorders; JSM Bone and Joint Diseases; SM Pain & Relief  
Annals of Orthopaedics, Trauma and Rehabilitation; SCIREA Journal of Medicine; SCIREA Journal of Clinical Medicine  
Austin Journal of Clinical Trials: Open Access; Austin Physical Medicine; Orthopaedic Surgery and Traumatology  
Current Updates in Stroke; Current Updates in Orthopedics; Medical and Clinical Archives  
EC Orthopaedics; Internal Medicine and Care; Austin Cardiology; Journal of Clinical and Experimental Traumatology  
IL Journal of Sports Medicine; Journal of Pediatric Diseases; Clinical Research in Orthopaedics; Clinical Journal of Surgery  
International Orthopaedics; Trends in Medicine; Journal of Orthopedic Research and Therapy; Trends in Medicine and Health

### Publications:

1. Liu P, Wu X, Shi H, Liu R, Shu H, Gong J, Yang Y, Sun Q, Wu J, Nie X, Cai M. Intramedullary versus extramedullary fixation in the management of subtrochanteric femur fractures: a meta-analysis. *Clin Interv Aging*, 2015, 10:803-811
2. Liu P, Yang Y, Liu R, Shu H, Gong J, Yang Y, Sun Q, Wu X, Cai M. A study on the mechanical characteristics of the EBM-printed Ti-6Al-4V LCP plates in vitro. *J Orthop Surg Res*, 2014, 9 (1):106
3. Liu P, Liu J, Xia K, Chen L, Wu X. Effect of leptin combined with CoCl<sub>2</sub> on healing in Sprague Dawley Rat fracture model. *Sci Rep*, 2016, 6:30754
4. Liu P, Cai M, Leptin Influences Healing in the Sprague Dawley Rat Fracture Model, *Med Sci Monit*, 2017,23:258-265
5. Liu P, Liu K, Liu J, Xia K, Chen L, Wu X, Transfection of the IHH gene into rabbit BMSCs in a simulated microgravity environment promotes chondrogenic differentiation and inhibits cartilage aging, *Oncotarget*, 2016,7(39):62873-62885
6. Wu J, Liu P, Ge W, Cai M, A prospective study about the preoperative total blood loss in older people with hip fracture, *Clinical Interventions in Aging*, 2016,11:1539-1543
7. Gong J, Liu P, Cai M, Imaging Evaluation of the Safe Region for Distal Locking Screw of Proximal Femoral Nail Anti-Rotation in Patients with Proximal Femoral Fracture, *Med Sci Monit*, 2017,23:719-724
8. Liu J, Liu P, Xia K, Chen L, Wu X, Iliac Vein Compression Syndrome (IVCS): An Under-Recognized Risk Factor for Left-Sided Deep Venous Thrombosis (DVT) in Old Hip Fracture Patients, *Med Sci Monit*, 2017,23:2078-2082
9. Liu P, Liu J, Xia K, Chen L, Wu X, Clinical Outcome Evaluation of Primary Total Knee Arthroplasty in Patients with Diabetes Mellitus, *Med Sci Monit*, 2017,23:2198-2202
10. Liu P, Liu J, Chen L, Xia K, Wu X, Intermittent pneumatic compression devices combined with anticoagulants for prevention of symptomatic deep vein thrombosis after total knee arthroplasty: a pilot study, *Ther Clin Risk Manag*, 2017,13:179-183

### Research Project Participated:

1. The mechanism of signal cross-talking of chondrocyte differentiation from MSCs regulated by Hedgehog in the mimic microgravity environment
2. Leptin activated the GSK3/β-catenin signaling pathway via the JAK/PI3K/AKT signaling pathway enhancing osteogenic differentiation
3. The mechanism of chondrocyte differentiation from MSCs regulated by miRNA-365 and Ihh in mechanical environment

### Conference Experiences:

<i>The 10<sup>th</sup> International Congress of Chinese Orthopaedic Association</i>	19 <sup>th</sup> November-22 <sup>nd</sup> November, 2015, Chongqing, China
<i>36<sup>th</sup> SICOT Orthopaedic World Congress</i>	17 <sup>th</sup> September-19 <sup>th</sup> September, 2015, Guangzhou, China
<i>The 9<sup>th</sup> International Congress of Chinese Orthopaedic Association</i>	20 <sup>th</sup> November-23 <sup>rd</sup> November, 2014, Beijing, China
<i>The 8<sup>th</sup> International Congress of Chinese Orthopaedic Association</i>	7 <sup>th</sup> November-10 <sup>th</sup> November, 2013, Beijing, China

### Special Awards:

National Scholarship for Graduate Students	Ministry of Education of China	2014,2015,2016
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