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OFFICE ADDRESS

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PRESENT APPOINTMENTS

Professor, Dept of Orthopaedics & Traumatology,
The University of Hong Kong.
Director, Orthopaedic Research Lab. Dept of Orthopaedics & Traumatology, HKU
Past Chairman, BME Division, The Hong Kong Institution of Engineers

EDUCATION

Ph.D. Biomechanics, 1995, University of Waterloo, Ont. Canada

RESEARCH:

- Awards: Recipient of 15 prestigious international & local awards.
- Patents: Co-holder of **10** US and other international patents.
- Research Funding: Procuring **HK\$45** million research grant (as **PI** for HK\$29million).
- Applied Research Funding: Have attracted **4** major ITF funding (**HK\$19 million**) and raised matching funds from industries to a total more than **HK\$8 million**.
- Invited speaker: **20** international and regional conferences in the past 5 years.
- Editorial Board Member & Reviewer: **16** international and local Journals.
- Publications: **150 papers** in international **Peer Reviewed Journals**, with more than **1500 citations**. **160** abstracts and /Proceedings.

1.	Wu X, , <u>Lu WW</u> , Li J, Li Z, Frassica FJ, Chen X, Wan M, Cao X: Inhibition of Sca-1-positive skeletal stem cells recruitment by alendronate blunts the anabolic effects of parathyroid hormone on bone remodeling, <i>Cell Stem Cell</i> 2010, 7:571-580
2.	W.M. Lam, H.B. Pan, Z.Y. Li, C. Yang, W.K. Chan, K.D.K. Luk, <u>W.W. Lu*</u> , "Fatty acid affects the nucleation of strontium-substituted biominerals" <i>Ceram Int</i> 2010; 36(2):683-688 IF: 1.686
3.	Meili Zhang, Wanying Zhai, Kaili Lin, H.B. Pan, <u>W W Lu</u> , Jiang Chang, "Synthesis, in vitro bioactivity and cytocompatibility of strontium silicate powders" <i>J Biomed Mater Res B</i> 2010; 93(1): 252-257 IF:2.185
4.	H.B. Pan, X.L. Zhao, B.W. Darvell, <u>W.W. Lu*</u> , "Apatite-formation ability - predictor of "bioactivity"?" <i>Acta Biomater</i> 2010; 6 (11): 4181-4188 IF: 3.97
5.	H.B. Pan, X.L. Zhao, H. Chan, W.M. Lam, Z.Y. Li, <u>W. W. Lu</u> , X. Zhang, D.P. Wang, W.H. Huang, K.L. Lin, J. Chang, "Strontium-incorporated borate glass for bone regeneration" <i>J R Soc Interface</i> 2010; 7:1025-1031 IF: 4.241
6.	Li, ZY; <u>Lu, WW*</u> ; Deng, LF; Chiu, PKY; Fang, D; Lam, RWM; Leong, JCY; Luk, KDK, The morphology and lattice structure of bone crystal after strontium treatment in goats, <i>JOURNAL OF BONE AND MINERAL METABOLISM</i> . 2009. Vol:28:1
7.	Lu S, Xu YQ, <u>Lu WW</u> , et al. A Novel Patient-Specific Navigational Template for Cervical Pedicle Screw Placement, <i>SPINE</i> Volume: 34: 26 Pages: E959-E964
8.	Zheng, ZM; Yu, BS; Chen, H; Aladin, DMK; Zhang, KB; Zhang, JF; Liu, H; Luk, KDK; Lu, WW*: Effect of Iliac Screw Insertion Depth on the Stability and Strength of Lumbo-Iliac Fixation Constructs An Anatomical and Biomechanical Study . <i>SPINE</i> 2009, Volume: 34 Issue: 16 Pages: E565-E572