



## Hui Zhu

Basic Life Research Scientist, Medicine - Med/Endocrinology

### Bio

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#### EDUCATION AND CERTIFICATIONS

- Ph.D., Institute of Biochemistry and Cell Biology, Chinese Academy of Science , Molecular and Cell Biology (2007)

### Publications

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#### PUBLICATIONS

- **Histopathology of osteogenesis imperfecta bone. Supramolecular assessment of cells and matrices in the context of woven and lamellar bone formation using light, polarization and ultrastructural microscopy.** *Bone reports*  
Shapiro, F., Maguire, K., Swami, S., Zhu, H., Flynn, E., Wang, J., Wu, J. Y.  
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- **Induction of Osteoblasts by Direct Reprogramming of Mouse Fibroblasts.** *Methods in molecular biology (Clifton, N.J.)*  
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- **Direct reprogramming of mouse fibroblasts into functional osteoblasts.** *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*  
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- **Pluripotent stem cells as a source of osteoblasts for bone tissue regeneration.** *Biomaterials*  
Zhu, H. n., Kimura, T. n., Swami, S. n., Wu, J. Y.  
2018
- **Prevention of breast cancer skeletal metastases with parathyroid hormone.** *JCI insight*  
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- **Human Embryonic Stem Cell Lines with Lesions in FOXP3 and NF1** *PLOS ONE*  
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- **JMJD5 Regulates Cell Cycle and Pluripotency in Human Embryonic Stem Cells.** *Stem cells*  
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- **FAM29A, a target of Plk1 regulation, controls the partitioning of NEDD1 between the mitotic spindle and the centrosomes** *JOURNAL OF CELL SCIENCE*  
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- **Calcium signaling-induced Smad3 nuclear accumulation induces acetylcholinesterase transcription in apoptotic HeLa cells** *CELLULAR AND MOLECULAR LIFE SCIENCES*

- Gao, W., Zhu, H., Zhang, J., Zhang, X.  
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- **Microtubule amplification in the assembly of mitotic spindle and the maturation of kinetochore fibers.** *Communicative & integrative biology*  
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  - **Mechanism, Function and Regulation of Microtubule-Dependent Microtubule Amplification in Mitosis** *MOLECULES AND CELLS*  
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2008; 183 (5): 835-848
  - **The CCAAT-binding factor CBF/NF-Y regulates the human acetylcholinesterase promoter activity during calcium ionophore A23187-induced cell apoptosis** *BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS*  
Zhu, H., Gao, W., Shi, Y., Zhang, X.  
2007; 1770 (10): 1475-1482
  - **Calcineurin mediates acetylcholinesterase expression during calcium ionophore A23187-induced HeLa cell apoptosis** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*  
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