



張瑞根 教授

Professor Je-Ken Chang, Ph.D.

現職：

高雄醫學大學 中和紀念醫院骨科 主治醫師

高雄醫學大學 醫學系骨科學 教授

通訊地址：807 高雄市十全一路 100 號

E-mail：jkchang@cc.kmu.edu.tw

Education and Training：

高雄醫學大學 醫學院 醫學系 學士

高雄醫學大學 醫學院 醫學研究所 碩士

Experience：

高雄醫學大學 中和紀念醫院 副院長

高雄醫學大學 大同醫院 副院長

高雄醫學大學 中和紀念醫院 骨科主任

高雄醫學大學 中和紀念醫院 骨科住院/總住院醫師

美國 維吉尼亞大學 骨科 研究員

日本 神戶大學 骨科 研究員

Professional Positions:

1. Fellow of the International Combined Orthopaedic Research Societies (I-CORS)
2. 衛生福利部 醫療器材諮議會委員
3. 科技部計畫 複審委員
4. 台灣骨科研究學會 理事
5. 台灣再生醫學學會 監事
6. 中華民國骨科醫學會住院醫師 RRC 認證委員
7. 高醫附院 3D 列印醫療應用/模擬中心 前瞻計畫主持人

Major Awards:

1. 2017 年 第十四屆國家新創獎 - 學研新創獎
2. 2016 年 第十三屆國家新創獎 - 學研新創獎
3. 2011 年 第八屆國家新創獎 - 學研新創獎

期刊論文

1. Ling-hua Chang, Chung-Hwan Chen, Shun-Cheng Wu, Je-ken Chang, Mei-Ling Ho (2021, Sep). Cyclooxygenase-2 regulates PTHrP transcription in human articular chondrocytes and is involved in the pathophysiology of osteoarthritis in rats. *Journal of Orthopaedic Translation*, Volume 30, Pages 16-30.
2. Chung-Hwan Chen, Lin Kang, Ling-Hua Chang, Tsung-Lin Cheng, Sung-Yen Lin, Shun-Cheng Wu, Yi-Shan Lin, Shu-Chun Chuang, Tien-Ching Lee, Je-Ken Chang, Mei-Ling Ho (2021, Aug). Intra-articular low-dose parathyroid hormone (1-34) improves mobility and articular cartilage quality in a preclinical age-related knee osteoarthritis model. *Bone & Joint Research*, 10(8):514-525.
3. Ya-Shuan Chou, Shu-Chun Chuang, Chung-Hwan Chen, Mei-Ling Ho* and Je-Ken Chang* (2021, Aug). G-Protein-Coupled Estrogen Receptor-1 Positively Regulates the Growth Plate Chondrocyte Proliferation in Female Pubertal Mice. *Frontiers in Cell and Developmental Biology*, Volume 9 | Article 710664. 本人為通訊作者.
4. Shun-Cheng Wu, Chih-Hsiang Chang, Ling-Hua Chang, Che-Wei Wu, Jhen-Wei Chen, Chung-Hwan Chen, Yi-Shan Lin, Je-Ken Chang*, Mei-Ling Ho* (2021, May). Simvastatin Enhances the Chondrogenesis But Not the Osteogenesis of Adipose-Derived Stem Cells in a Hyaluronan Microenvironment.. *Biomedicines*, 17;9(5):559. . 本人為通訊作者.
5. Chung-Da Yang, Shu-Chun Chuang, Tsung-Lin Cheng, Mon-Juan Lee, Hui-Ting Chen, Sung-Yen Lin, Hsuan-Ti Huang, Cheng-Jung Ho, Yi-Shan Lin, Lin Kang , Mei-Ling Ho, Je-Ken Chang , Chung-Hwan Chen (2021, Feb). An Intermediate Concentration of Calcium with Antioxidant Supplement in Culture Medium Enhances Proliferation and Decreases the Aging of Bone Marrow Mesenchymal Stem Cells. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 20;22(4):2095.. 本人為通訊作者.
6. Shu-Chun Chuang, Chung-Hwan Chen, Ya-Shuan Chou, Mei-Ling Ho*, Je-Ken Chang* (2020, Sep). G Protein-Coupled Estrogen Receptor Mediates Cell Proliferation through the cAMP/PKA/CREB Pathway in Murine Bone Marrow Mesenchymal Stem Cells.,. *International journal of molecular sciences*, 2020;21:18-E6490. MOST 101-2314-B-037-006. 本人為通訊作者.
7. Liang-Yin Chou, Chung-Hwan Chen, Yi-Hsiung Lin, Shu-Chun Chuang, Hsin- Chiao Chou, Sung-Yen Lin, Yin-Chi Fu, Je-Ken Chang, Mei-Ling Ho, Chau-Zen Wang* (2020, Apr). Discoidin domain receptor 1 regulates endochondral ossification through terminal differentiation of chondrocytes.. *FASEB JOURNAL*, 34(4):5767-5781.
8. Chau-Zen Wang, Rajalakshmanan Eswaramoorthy, Tzu-Hsiang Lin, Chung- Hwan Chen, Yin-Chih Fu, Chih-Kuang Wang, Shun-Cheng Wu, Gwo-Jaw Wang, Je-Ken Chang, Mei-Ling Ho (2018, Dec). Enhancement of chondrogenesis of adipose-derived stem cells in HA-PNIPAAm-CL hydrogel for cartilage regeneration in rabbits. *Scientific Reports*, 12;8(1):10526. 本人為通訊作者.
9. Shun-Cheng Wu, Pei-Yi Huang, Chung-Hwan Chen, Benjamin Teong, Je-Ken Chang (張瑞根)*, Mei-Ling Ho* (2018, Nov). Hyaluronan microenvironment enhances cartilage regeneration of human adipose-derived stem cells in a chondral defect model.. *International*

Journal of Biological Macromolecules, 119:726-740. 本人為通訊作者。

10. Chau-Zen Wang, Rajalakshmanan Eswaramoorthy, Tzu-Hsiang Lin, Chung- Hwan Chen, Yin-Chih Fu, Chih-Kuang Wang, Shun-Cheng Wu, Je-Ken Chang (張瑞根), Gwo-Jaw Wang, Mei-Ling Ho* (2018, Jul). Enhancement of chondrogenesis of adipose-derived stem cells in HA-PNIPAAm-CL hydrogel for cartilage regeneration in rabbits.. Scientific Reports.

11. Chung-Hwan Chen, Mei-Ling Ho, Ling-Hua Chang, Lin Kang, Yi-Shan Lin, Sung-Yen Lin, Shun-Cheng Wu, Je-Ken Chang* (張瑞根) (2018, May). Parathyroid hormone (1-34) ameliorated knee osteoarthritis in rats via autophagy.. Journal of applied physiology, 124(5):1177-1185. 本人為通訊作者。

12. Benjamin Teong, Shun-Cheng Wu, Chien-Mei Chang, Jhen-Wei Chen, Hui-Ting Chen, Chung-Hwan Chen, Je-Ken Chang (張瑞根), Mei-Ling Ho* (2018, Feb). The stiffness of a cross-linked hyaluronan hydrogel affects its chondro-induction activity on hADSCs.. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 106(2):808-816.

13. Shun-Cheng Wu, Chung-Hwan Chen, Jyun-Ya Wang, Yi-Shan Lin, Je-Ken Chang (張瑞根)*, Mei-Ling Ho* (2018, Jan). Hyaluronan size alters chondrogenesis of adipose-derived stem cells via the CD44/ERK/SOX-9 pathway.. Acta Biomaterialia, 15;66:224-237. 本人為通訊作者。

14. Yu-Jie Su, Sung-Yen Lin, Hsuan-Ti Huang, Je-Ken Chang(張瑞根), Chung- Hwan Chen (2017, Dec). Intravenous drug abuse is a risk factor in the failure of two-stage treatment for infected total hip arthroplasty.. Kaohsiung J Med Sci. , 33(12):623-629. (SCI, 103/128, Medicine, Research&Experimental). <https://www.ncbi.nlm.nih.gov/pubmed/29132552>.

15. Tien-Ching Lee, Pei-Shan Ho, Hui-Tzu Lin, Mei-Ling Ho, Hsuan-Ti Huang and Je-Ken Chang(張瑞根) (2017, Aug). One-Year Readmission Risk and Mortality after Hip Fracture Surgery: A National Population-Based Study in Taiwan.. Aging Dis., 4; 402-409, . (SCI, 6/49, Geriatrics&Gerontology) 本人為通訊作者 . <https://www.ncbi.nlm.nih.gov/pubmed/28840055>.

16. Benjamin Teong; Shun-Cheng Wu; Chien-Mei Chang; Jhen-Wei Chen; Hui-Ting Chen; Chung-Hwan Chen; Je-Ken Chang(張瑞根); Mei-Ling Ho. (2017, Apr). The stiffness of a crosslinked hyaluronan hydrogel affects its chondro-induction activity on hADSCs.. J Biomed Mater Res B Appl Biomater., 227;938–949. (SCI, 19/77, Engineering, Biomedical). <https://www.ncbi.nlm.nih.gov/pubmed/28376257>.

17. Ling-hua Chang, Shun-Cheng Wu, Chung-Hwan Chen, Gwo-Jaw Wang, Je-ken Chang*, Mei-Ling Ho* (2016, Aug). Parathyroid hormone 1-34 reduces dexamethasone-induced terminal differentiation in human articular chondrocytes.. Toxicology. 本人為通訊作者。

研討會論文

1. Shun Cheng Wu, Ling-Hua Chang, Che-Wei Wu, Jhen-Wei Chen, Chung-Hwan Chen, Je-Ken Chang, Mei-Ling Ho* (2021, Feb). Extracellular Vesicles Released From Human Adipose-derived Stem Cells Enhance Articular Chondrocyte Function. 2021 Annual Meeting of Orthopaedic Research Society, 美國.

2. Ya-Shuan Chou, Shu-Chun Chuang, Chung-Hwan Chen, Mei-Ling Ho, Je-Ken Chang* (2021, Feb). The effect of G protein couple estrogen receptor-1(GPER- 1) during osteogenesis in murine bone marrow mesenchymal stem cells. 2021 Annual Meeting of Orthopaedic Research Society, 美國. 本人為通訊作者.
3. Shun-Cheng Wu, Jhen-Wei Chen, Che-Wei Wu, Chung-Hwan Chen, Je-Ken Chang, Mei-Ling Ho*. (2020, Feb). Adipose-derived stem cells enhance chondrogenesis and cartilaginous matrix synthesis of articular chondrocytes is mediated by extracellular vesicles. . 2020 Annual Meeting of Orthopaedic Research Society., 美國.
4. Ya-Shuan Chou, Shu-Chun Chuang, Chung-Hwan Chen, Mei-Ling Ho, Je-Ken Chang* (2020, Feb). The G protein couple estrogen receptor-1(GPER-1) regulates chondrocyte proliferation in chondrocyte-specific knockout mice.. 2020 Annual Meeting of Orthopaedic Research Society., 美國. 本人為通訊作者.
5. Shen-Ho Yen,Sung-Yen Lin,Je-Ken Chang,Chung-Hwan Chen* (2019, Oct). Fluoroscopy-Based Percutaneous Screw Fixation for Geriatric Acetabular and Pelvic Fractures. 中華民國骨科醫學會 108 年度第 77 次聯合學術研討會, 台北市.
6. Je-Ken Chang (2019, Jun). Hyaluronan Microenvironment Enhances Chondrogenic, but Prevents Osteogenic, Effects of Simvastatin in Adipose Derived Stem Cells. 2019 The International Combined Orthopaedic Research Societies (ICORS), 加拿大. 本人為第一作者、通訊作者.
7. 李天慶,陳崇桓,陳建志,張瑞根* (2019, Apr). Statin Use and Risk of Hip Fracture in Patients with Type 2 Diabetes: A Nationwide Taiwan Population-Based Study. 108 年度第 76 次春季聯合學術研討會, 台中. 本人為通訊作者.
8. Ya-Shuan Chou, Shu-Chun Chuang, Mei-Ling Ho, Je-Ken Chang* (2018, Oct).G PROTEIN-COUPLED ESTROGEN RECEPTOR-1(GPER-1) REGULATED OSTEOGENESIS IN MURINE BONE MARROW MESENCHYMAL STEM CELLS. 2018 年臺灣幹細胞學會第十四屆年會暨國際學術研討會. 本人為通訊作者.
9. Je-Ken Chang, Shun-Cheng Wu, Chung-Hwan Chen, Jhen-Wei Chen, Che-Wei Wu, Chien-Hsueh Chen, Mei-Ling Ho (2018, Mar). Hyaluronan microenvironment enhances chondrogeneic, but prevents osteogenic, effects of simvastatin in adipose derived stem cells. 3rd Annual Conference and Expo on Biomaterials (Biomaterials 2018). 本人為第一作者.
10. Chung-Hwan Chen, Je-Ken Chang, Ling-Hua Chang, Shun-Cheng Wu, Sung- Yen Lin, Yin-Chih Fu, Mei-Ling Ho (2017, Mar). Intra-articular Parathyroid Hormone (1-34) Improved Knee Osteoarthritis in Guinea Pig with Spontaneous Osteoarthritis without Affecting Subchondral Trabecular Bone Mass. ORS 2017 Annual Meeting orthopaedic research societies.
11. ShuChun Chuang, ChiuFan Shen, MeiLing Ho, JeKen Chang* (2017, Mar). The G protein couple estrogen receptor1(GPER1) regulates endochondral bone formation in cultured tibia. Orthopaedic Research Society (ORS) 2017 Annual Meeting. 本人為通訊作者.
12. Shu-Chun Chuang, I-Chun Tai, Mei-Ling Ho, Je-Ken Chang (2016, Mar). Activation Of G Protein-coupled Estrogen Receptor-1 (GPER-1) Promotes Cell Proliferation Via p-CREB/cAMP/PKA Pathway In Murine Bone Marrow Mesenchymal Stem Cells. 2016 ORS

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13. Ya-Shuan Chou, Shu-Chun Chuang, Chung-Hwan Chen, Mei-Ling Ho, Je-Ken Chang*
(2020 年 10 月)。The role of G protein couple estrogen receptor-1 (GPER-1) in the
regulation of growth plate cartilage。中華民國骨科醫學會 109 年度第 78 次聯合學術研
討會，台北市。本人為通訊作者。