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現職：

高雄醫學大學 醫學系/生理學科 特聘教授 2019/08-迄今

高雄醫學大學 再生醫學與細胞治療研究中心 執行長 2019/08-迄今

南台灣跨領域創新研發中心 醫材領域召集人 2017-迄今

高雄醫學大學 醫學系/生理學科 教授 2008/02-迄今

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學歷：

高雄醫學大學 醫學研

究所 博士 1993/09~1999/06

高雄醫學大學 醫學研究所 碩士 1983/09~1986/06

高雄醫學大學 藥學系 學士 1973/09~1977/06

經歷：

高雄醫學大學 醫學院 副院長 2020/08-2021/08

高雄醫學大學 產學營運處 處長 2014/08-2018/07

高雄醫學大學 骨科學研究中心 主任 2001/11-2019/07

高雄醫學大學 醫學系 生理科 主任 2006/08-2015/07

University of Virginia, Department of Orthopaedic, Research fellow 1992/02-1993/01

學會服務/社會服務：

1. 衛福部 再生醫學及細胞治療發展諮議會 委員 2016、2018-2021
2. 衛福部 食品藥物管理署再生醫學諮議小組 委員 2016、2020-2021、副召集人 2019
3. 經濟部工業局產業升級創新平台輔導計畫 專審委員 2017
4. 經濟部中小企業處 「小型企業創新研發計畫(SBIR)」生技製藥領域 審查委員 2020
5. 經濟部提供科技事業或文化創意產業具市場性意見書評估小組 專案委員 2019-2021
6. 擔任科技部生科司 110 年度「傑出研究獎」(基礎醫學組)初審委員 2021
7. 南臺灣產業跨領域創新中心醫材領域 召集人 2017-迄今
8. 金屬中心創新前瞻技術研究計劃 指導委員 2017-2019
9. 台灣再生醫學學會理事 2014-2016、2018-2020、第九屆常務理事 2020-2022
10. 台灣骨科研究學會理事 2010-2016、監事 2016-2020
11. 中華民國骨科醫學會 第 21 屆 FJMD 編輯委員會 委員 2020-2022
12. 高雄市科技管理學會理事 2015-2017
13. 中華民國農科園區產學協會理事 2016-2018

重要獲獎：

1. 2019 年 高醫藥學文教基金會第九屆傑出校友-學術類傑出校友
2. 2018 年、2019 年 高雄醫學大學 專利獲證卓越獎
3. 2018 年 科技部傑出研究獎
4. 2018 年 教育部服務 40 年資深優良教師獎
5. 2017 年 第十四屆國家新創獎、2016 年 第十三屆國家新創獎、2011 年 第八屆國家新創獎
6. 2014 年 台灣骨科研究學會第八屆 SCI 優秀論文比賽第二名、2013 年 台灣骨科研究學會第七屆 SCI 優秀論文比賽第一名、2011 年 台灣骨科研究學會第五屆 SCI 優秀論文績優比賽第三名、2010 年 台灣骨科研究學會第四屆論文績優比賽第二名

期刊論文

14. Ling-Hua Chang, Chung-Hwan Chen, Shun-Cheng Wu, Je-ken Chang *, and Mei-Ling Ho (何美玲) *(2021, Sep) Cyclooxygenase-2 regulates PTHrP transcription in human articular chondrocytes and involved in osteoarthritis pathophysiology in rats. *Journal of Orthopaedic Translation*, Volume 30, September 2021, Pages 16-30. 本人為通訊作者。
15. Ya-Shuan Chou, Shu-Chun Chuang, Chung-Hwan Chen, Mei-Ling Ho (何美玲) *and Je-Ken Chang*(2021,08) G-protein-coupled estrogen receptor-1 positively regulates the growth plate chondrocyte proliferation in female pubertal mice. *Frontiers in Cell and Developmental Biology*, August 2021, Volume 9, Article 710664
16. Chung-Hwan Chen, Kang Lin , Ling-Hua Chang, Sung-Yen Lin, Shun-Cheng Wu, Yi-Shan Lin, Mei-Ling Ho*, Je-Ken Chang*(2021,8) 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*, 2021 Aug;10(8):514-525. 本人為通訊作者。
17. Cheng-Chang Lu, Cheng-Jung Ho , Hsuan-Ti Huang , Sung-Yen Lin , Shih-Hsiang Chou , Pei-Hsi Chou, Mei-Ling Ho (何美玲) and Yin-Chun Tien*(2021,03) Effect of Freshly Isolated Bone Marrow Mononuclear Cells and Cultured Bone Marrow Stromal Cells in Graft Cell Repopulation and Tendon-Bone Healing after Allograft *International Journal of Molecular Sciences*, 2021, 22, 2791.
18. 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 (何美玲), Je-Ken Chang* and Chung-Hwan Chen *(2021,02) 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*, 2021, 22, 2095.
19. Margaret Kay Ho, Crystal Cheuk Yiu Hsue, Cheng Heng Nicholas Lai, Kwun Ting Chan, Cheuk Nam Cheng, Chun Fung Chow, Ka Ho Lui, Shireen Rashed, Elaine Wong, Wai Yan Yu, Vanessa H M Cheung, Steven W K Siu, Mei-Ling Ho (何美玲), Kwok-Keung Yuen, Amy Tien Yee Chang (2020, Nov). A cross-sectional study on the attitudes and perceptions of outpatients towards palliative care at the Hong Kong Queen Mary Hospital Hospice Centre. *Ann Palliat Med*, Nov;9(6):4522-4533..
20. Chung-Hwan Chen, Chao-Han Lai, Yi-Kai Hong, Jui-Ming Lu, Sung-Yen Lin, Tien-Ching Lee, Lan-Yun Chang, Mei-Ling Ho (何美玲), Edward M Conway, Hua-Lin Wu, Tsung-Lin Cheng (2020, Sep). Thrombomodulin Functional Domains Support Osteoblast Differentiation and Bone Healing in Diabetes in Mice. *J Bone Miner Res*, Sep;35(9):1812-1823.
21. Hsin-Chaio Chou, Chung-Hwan Chen, Liang-Yin Chou, Tsung-Lin Cheng, Lin Kang, Shu-Chun Chuang, Yi-Shan Lin, Mei-Ling Ho (何美玲) , Yan-Hsiung Wang, Sung-Yen Lin, Chau-Zen Wang (2020, Sep). Discoidin Domain Receptors 1 Inhibition Alleviates Osteoarthritis via Enhancing Autophagy. *Int J Mol Sci* , Sep 23;21(19):6991.
22. 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. *Int J*

- Mol Sci , Sep 5;21(18):6490.. 本人為通訊作者.
23. Cheng-Chang Lu, Shih-Hsiang Chou, Po-Chih Shen, Pei-Hsi Chou, Mei-Ling Ho, Yin-Chun Tien (2020, Aug). Extracorporeal shock wave promotes activation of anterior cruciate ligament remnant cells and their paracrine regulation of bone marrow stromal cells' proliferation, migration, collagen synthesis, and differentiation. *Bone Joint Res*, Aug 11;9(8):458-468..
 24. Chou LY, Chen CH, Lin YH, Chuang SC, Chou HC, Lin SY, Fu YC, Chang JK, Ho ML, Wang CZ (2020, Apr). Discoidin domain receptor 1 regulates endochondral ossification through terminal differentiation of chondrocytes.. *FASEB J.* , 34(4):5767-5781. 本人為通訊作者.
 25. Teng FY, Tai IC, Ho ML, Wang JW, Weng LW, Wang YJ, Wang MW, Tseng CC (2019, Dec). Controlled release of BMP-2 from titanium with electrodeposition modification enhancing critical size bone formation.. *Mater Sci Eng C Mater Biol Appl.* , 105:109879..
 26. Yi-Chia Wu, Ya-Chin Wang, Wei-Ting Wang, Hui-Min David Wang, Hsin-Hung Lin, Long-Jyun Su, Yur-Ren Kuo, Chung-Sheng Lai, Mei-Ling Ho(何美玲), and John Yu* (2019, Aug). Fluorescent Nanodiamonds Enable Long-Term Detection of Human Adipose-Derived Stem/Stromal Cells in an In Vivo Chondrogenesis Model Using Decellularized Extracellular Matrices and Fibrin Glue Polymer.. *Polymers (Basel)*., 23;11(9). pii: E1391.. (SCI, 19.54%/Polymer science).
 27. 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(何美玲)* (2018, Jul). Enhancement of chondrogenesis of adipose-derived stem cells in HA-PNIPAAm-CL hydrogel for cartilage regeneration in rabbits. *Scientific Reports*, 12;8(1):10526.. (SCI, 18.75%/Multidisciplinary sciences). 本人為通訊作者.
 28. Shun-Cheng Wu, Pei-Yi Huang, Chung-Hwan Chen, Benjamin Teong, Je-Ken Chang, Mei-Ling Ho* (2018, Jul). Hyaluronan microenvironment enhances cartilage regeneration of human adipose-derived stem cells in a chondral defect model. *International Journal of Biological Macromolecules*, 2018 Jul 18;119:726-740. MOST 103-2314-B-037-017-MY3. 本人為通訊作者.
 29. Chung-Hwan Chen, Ling-Hua Chang, Lin Kang, Yi-Shan Lin, Sung-Yen Lin, Shun-Cheng Wu, Je-Ken Chang, and Mei-Ling Ho(何美玲)*. (2018, May). Parathyroid hormone (1-34) ameliorated knee osteoarthritis in rats via autophagy. *Journal of Applied Physiology (1985)*., 124(5):1177-1185.. (SCI, 13.58%/Sport Sciences). 本人為通訊作者.
 30. Shun-Cheng Wu, Chung-Hwan Chen, Jyun-Ya Wang, Yi-Shan Lin, Je-Ken Chang, Mei-Ling Ho(何美玲) (2018, Jan). Hyaluronan size alters chondrogenesis of adipose-derived stem cells via the CD44/ERK/SOX-9 pathway.. *Acta Biomaterialia*, 15;66:224-237. (SCI, 3/77: Engineering, Biomedical). 本人為通訊作者.
 31. Ji-Hua Lee, Min-Hsuan Chiang, Ping-Ho Chen, Mei-Ling Ho(何美玲), Huey-Er Lee, Yan-Hsiung Wang (2017, Nov). Anti-inflammatory effects of low-level laser therapy on human periodontal ligament cells: in vitro study.. *Lasers Med Sci.*, Article in press. (SCI). <https://www.ncbi.nlm.nih.gov/pubmed/29116611>.
 32. Chung-Hwan Chen, Ching-Ju Li, I-Chun Tai, Xiao-Hui Lin, Hseng-Kuang Hsu, and Mei-Ling Ho* (2017, Sep). The Fractionated *Toona sinensis* Leaf Extract Induces Apoptosis of Human Osteosarcoma Cells and Inhibits Tumor Growth in a Murine Xenograft

- Model.. *Integrative Cancer Therapies* , 16(3):397-405. 本人為通訊作者.
33. Tien-Ching Lee, Pei-Shan Ho, Hui-Tzu Lin, Mei-Ling Ho, Hsuan-Ti Huang, Je-Ken Chang* (2017, Aug). One-year readmission risk and mortality after hip fracture surgery: a national population-based study in Taiwan. *Aging and Disease*, 8(4); 402-409.
 34. Benjamin Teong, Shyh Ming Kuo, Wei-Hsin Tsai, Mei-Ling Ho, Chung-Hwan Chen*, Han Hsiang Huang* (2017, Apr). Liposomal encapsulation for systemic delivery of propranolol via transdermal iontophoresis improves bone microarchitecture in ovariectomized rats. *International Journal of Molecular Sciences*, 18, 822.
 35. Benjamin Teong, Shun-Cheng Wu, Chien-Mei Chang, Jhen-Wei Chen, Hui-Ting Chen, Chung-Hwan Chen, Je-Ken Chang, Mei-Ling Ho* (2017, Mar). The stiffness of a cross-linked hyaluronan hydrogel affects its chondro-induction activity on hADSCs. *J Biomed Mater Res B Appl Biomater*. 2018 Feb;106(2):808-816. doi: 10.1002/jbm.b.33881.. 本人為通訊作者.
 36. Min-Hsuan Chiang, Ping-Ho Chen, Yuk-Kwan Chen, Chia-Hsin Chen, Mei-Ling Ho, and Yan-Hsiung Wang* (2016, Nov). Characterization of a Novel Dermal Fibrosis Model Induced by Areca Nut Extract that Mimics Oral Submucous Fibrosis.. *PLoS One*. , Nov 16;11(11):e0166454. .
 37. Linghua Chang, Shun-Cheng Wu, Gwo-Jaw Wang, Chung-Hwan Chen, Je-ken Chang, Mei-Ling Ho* (2016, Sep). Parathyroid hormone 1-34 reduces dexamethasone-induced terminal differentiation in human articular chondrocytes.. *Toxicology* . 本人為通訊作者.
 38. Tsung-Lin Cheng, Chao-Han Lai, Shyh-Jou Shieh, Yin-Bo Jou, Jwu-Lai Yeh, Ai-Lun Yang, Yan-Hsiung Wang, Chau-Zen Wang, Chung-Hwan Chen, Guey-Yueh Shi, Mei-Ling Ho, Hua-Lin Wu* (2016, Jun). Myeloid thrombomodulin lectin-like domain inhibits osteoclastogenesis and inflammatory bone loss. *Scientific Reports*, 6:28340.
 39. Yao-Hsien Wang, Eswaramoorthy Rajalakshmanan, Chih-Kuang Wang, Chung-Hwan Chen, Yin-Chi Fu, Tzu-Lin Tsai, Je-Ken Chang and Mei-Ling Ho (2016, Jun). PLGA-linked alendronate enhances bone repair in diaphysis defect model.. *J Tissue Eng Regen Med*., 2016 Jun 3. doi: 10.1002/term.2160.. 本人為通訊作者.