

## 何美玲歷年研討會論文發表

1. (Invited speaker) **Mei-Ling Ho**  
An Experience in Drug Development for New Indication-From Bone to Joint Regeneration.  
臺灣醫學會105年春季學術演講會, Kaohsiung, May 28-29, 2016
2. (Invited speaker) **Mei-Ling Ho**  
照護政策發展、醫療經濟、轉譯及精準醫學之未來展望。  
2016 智慧醫護與產業論壇-數位健康時代的社區、醫療機構照護發展與相關產業之挑戰及機會, Kaohsiung, Taiwan, April 29, 2016
3. 陳建學, 吳順成, 陳崇桓, 張瑞根, **何美玲**  
Simvastatin combines with hyaluronan-enriched fibrin hydrogel enhances adipose-derived stem cell-based cartilage regeneration.  
105年度春季聯合學術研討會(Spring meeting of Orthopaedic Association ROC), Kaohsiung, Taiwan, April 23, 2016
4. (Oral) Benjamin Teong, Chien-Mei Chang, Shun-Cheng Wu, Je-Ken Chang, **Mei-Ling Ho**  
Degree of Methacrylation Affecting Hyaluronan Hydrogels Properties and Chondrogenesis of Adiposederived Stem Cells.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
5. Yin-Chih Fu, Chung-Hwan Chen, Chih-Kuang Wang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Combination Of Bioceramic And A Controlled-release Simvastatin-encaptured Microsphere Enhances Bone Repair In Rat Critical-sized Calvarial Bone Defects.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
6. Chung-Hwan Chen, Je-Ken Chang, Ling-Hua Chang, Shun-Cheng Wu, Yin-Chih Fu, Sung-Yen Lin, **Mei-Ling Ho**  
Parathyroid Hormone (1-34) Improved Knee Osteoarthritis And Function In Rats With Anterior Cruciate Ligament Transection By Decreasing Chondrocyte Apoptosis Via Autophagy.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
7. Ling-hua Chang, Shun-Cheng Wu, **Mei-Ling Ho**, Je-Ken Chang, Chung-Hwan Chen, Gwo-Jaw Wang  
Parathyroid Hormone 1-34 (pth1-34) Rescues Dexamethasone Induced Terminal Differentiation In Human Articular Chondrocytes.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
8. Shun-Cheng Wu, Chung-Hwan Chen, Chien-Hsueh Chen, Je-Ken Chang, **Mei-Ling Ho**  
Hyaluronan Alters Chondrogenesis Of Adipose Derived Stem Cells Through Affecting Phosphorylation Of Erk1/2 And Sox-9 Activity.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
9. Yan-Hsiung Wang, **Mei-Ling Ho**, Yin-Chih Fu, Chih-Kuang Wang, Chia-Hsin Chen  
Simvastatin Attenuates High Glucose-suppressed Osteogenic Differentiation In Bone Marrow Mesenchymal Stem Cells By PI3k/AKT Signaling Pathway.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
10. Shu-Chun Chuang, I Chun Tai, **Mei-Ling Ho**, Je-Ken Chang

- 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 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
11. Shu-Chun Chuang, I Chun Tai, Chiu-Fan Shen, **Mei-Ling Ho**, Je-Ken Chang  
Overexpression Cox-2 Inhibited Osteogenic Differentiation In Murine Bone Marrow Mesenchymal Stem Cells.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
  12. Tien-Ching Lee, Pei-Shan Ho, **Mei-Ling Ho**, Je-Ken Chang, Hsuan-Ti Huang, Hui-Tzu Lin  
Survival Analysis Of Readmission Within 1 Year After Hip Fracture: A Nationwide Taiwanese Population-based Study.  
2016 Annual Meeting of the Orthopaedic Research Society, Orlando, USA, March 5-8, 2016
  13. 陳崇桓, 林怡珊, 陳宴緹, 張瑞根, 傅尹志, 林松彥, 何承融, 李天慶, 汪在婕, 王怡雅, 何美玲  
Parathyroid Hormone (1-34) Improved Knee Osteoarthritis and Function in Rats by Autophagy.  
Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 31-Nov 1, 2015  
(2015 Best poster of Taiwan Orthopaedic Research Society)
  14. (Invited speaker) **Mei-Ling Ho**  
Potential for Using Adipose Derived Stem Cells on Articular Cartilage Regeneration.  
2015台灣細胞醫療促進協會年會暨研討會, Kaohsiung, Taiwan, October 4, 2015
  15. (Invited speaker) **Mei-Ling Ho**  
Parathyroid Hormone (1-34) Suppress Osteoarthritis Progression.  
The International Combined Academic Conference 1st Symposium of Musculoskeletal Regeneration, Kaohsiung, Taiwan, March 14, 2015
  16. Chung-Hwan Chen, Yi-Shan Lin, Yin-Chih Fu, **Mei-Ling Ho**, Je-Ken Chang, Chih-Kuang Wang, Lin Kang  
(-)-epigallocatechin-3-gallate (egcg) Enhances Bone Defect Healing  
2015 Annual Meeting of the Orthopaedic Research Society, Las Vegas, USA, Mar 28-31, 2015
  17. Shu-Chun Chuang, Po-Lun Hsiao, **Mei-Ling Ho**, Je-Ken Chang  
G protein-Coupled Estrogen Receptor-1 (GPER-1) Positively Regulates cell proliferation via cAMP/ PKA pathway In Murine Bone Marrow Mesenchymal Stem Cells  
2015 Annual Meeting of the Orthopaedic Research Society, Las Vegas, USA, Mar 28-31, 2015
  18. Shun Cheng Wu, Je Ken Chang, **Mei Ling Ho**  
Effect of Molecular Weight Of Hyaluronan on Chondrogenic Effect in Adipose Derived Stem Cells.  
2015 Annual Meeting of the Orthopaedic Research Society, Las Vegas, USA, Mar 28-31, 2015
  19. Kuo-Ting Wei, **Mei-Ling Ho**, Hong-Yo Kang  
Targeting androgen receptor ubiquitination on spinal and bulbar muscular atrophy.  
2015 The 30<sup>th</sup> Joint Annual Conference of Biomedical Science, Taipei, Taiwan, Mar 21-22, 2015
  20. 吳順成, 張瑞根, 翼景城, 林怡珊, 陳振偉, 王國照, 何美玲  
Molecular weight of hyaluronan alters its of chondrogenic effect on adipose derived stem cells via activation of MEK/ERK axis

2015 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, March 7, 2015

21. 莊淑君, 蕭伯倫, 何美玲, 張瑞根

G protein-coupled estrogen receptor-1 (GPER-1) positively regulates cell proliferation in murine bone marrow mesenchymal stem cells.

2015 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, March 7, 2015

22. 張倩玫, 吳順成, 張栩榮, 林侑陞, 張瑞根, 何美玲

The study of matrix stiffness of hyaluronan(HA) hydrogel for cytocompatibility of human adipose derived stem cells.

2015 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, March 7, 2015

23. (Invited speaker) **Mei-Ling Ho**, Je-Ken Chang

Adipose Derived Stem Cells Based Articular Cartilage Regeneration.

2015 Symposium on Engineering, Medicine and Biology Application, Kaohsiung, Taiwan, Jan 30-Feb 1, 2015

24. Shun-Cheng Wu, **Mei-Ling Ho**, Yung-Li Hung, Je-Ken Chang, Gwo-Jaw Wang, Chau-Zen Wang

Suppression of Discoidin Domain Receptor 1 Expression Enhances the Cell Survival and Chondrogenesis of Adipose-Derived Stem Cells.

2015 Symposium on Engineering, Medicine and Biology Application, Kaohsiung, Taiwan, Jan 30-Feb 1, 2015

25. Chih-Kuang Wang, Tien-Ching Lee, Yan-Hsiung Wang, Shih-Hao Huang, **Mei-Ling Ho**, Yin-Chih Fu

In vivo Evaluations of the Clinical Grade Bone Substitute Combined Simvastatin Carriers on Enhance Bone Growth.

2015 Symposium on Engineering, Medicine and Biology Application, Kaohsiung, Taiwan, Jan 30-Feb 1, 2015 (Best Paper Award)

26. 陳崇桓, 林怡珊, 傅尹志, 張瑞根, 林松彥, 汪在婕, 何美玲

The Effects of (-)-Epigallocatechin-3-Gallate (EGCG) on Bone Defect Healing.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 18-19, 2014

27. 吳順成, 張瑞根, 林怡珊, 張智翔, 王國照, 何美玲

Molecular Weight of Hyaluronan Alters its Potential of Chondrogenic Effect on Adipose Derived Stem Cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 18-19, 2014

28. 莊淑君, 蕭伯倫, 何美玲, 張瑞根

G Protein-Coupled Estrogen Receptor-1 (GPER-1) Positively Regulates Cell Proliferation In Murine Bone Marrow Mesenchymal Stem Cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 18-19, 2014

29. (Invited speaker) **Mei-Ling Ho**

Adipose derived stem cells based articular cartilage regeneration.

2014 international conference of stem cells and tissue engineer, Kaohsiung, Taiwan, Aug 26,

2014

30. (Invited speaker) 何美玲

臨床需求探討。

高雄市政府經濟發展局醫材中高階營隊培訓課程, Kaohsiung, Taiwan, Jun 6, 2014

31. I Chun Tai, Yao-Hsien Wang, Chung-Hwan Chen, Je-Ken Chang, **Mei-Ling Ho**

Simvastatin Stimulates Osteogenesis In mBMSCs Through Activating Rhoa Signaling.

The 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Mar 15-18, 2014

32. Yao-Hsien Wang, Kuo-Ting Rau, Chung-Hwan Chen, Je-Ken Chang, **Mei-Ling Ho**

The Effect Of Parathyroid Hormone(1-34) On Articular Cartilage Surface Lesion Induced Post-traumatic Osteoarthritis.

The 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Mar 15-18, 2014

33. Chung-Hwan Chen, Yi-Shan Lin, Yin-Chih Fu, Je-Ken Chang, Sung-Yen Lin, Chih-Kuang Wang, **Mei-Ling Ho**, Jian-Chih Chen

The Effects Of (-)-epigallocatechin-3-gallate (egcg) On Fracture Healing.

The 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Mar 15-18, 2014

34. Shu-Chun Chuang, Po-Lun Hsiao, **Mei-Ling Ho**, Je-Ken Chang

G protein-coupled estrogen receptor-1(GPER-1) negatively regulated osteogenic-differentiation in murine bone marrow mesenchymal stem cells.

The 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Mar 15-18, 2014

35. Shu-Chun Chuang, I-Chun Tai, Sung-Cheng Huang, Je-Ken Chang, **Mei-Ling Ho**

Cyclooxygenase-2 negatively regulates osteogenic-differentiation via FOXO 3 $\alpha$ /p27kip1 in murine bone marrow mesenchymal stem cells.

The 60<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Mar 15-18, 2014

36. 張智翔, 吳順成, 張瑞根, 陳崇桓, 何美玲

Using non-proteinous drugs as bio-factors to enhance chondrogenesis of hADSCs in HA-enriched microenvironment for tissue engineering.

2014 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Feb 22, 2014

37. 吳順成, 林怡珊, 張智翔, 張瑞根, 王國照, 何美玲

Molecular weight of hyaluronan alters its potential of chondrogenic effect on adipose derived stem cells.

2014 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Feb 22, 2014

38. (Invited speaker) 何美玲

The animal models for studying bone and cartilage disorders.

中華實驗動物學會第十三屆一次會員大暨健康醫療的曙光-實驗動物與醫材科技研討會,

Taipei, Taiwan, Dec 12, 2013

39. (Invited speaker) 何美玲

Parathyroid Hormone (1-34) Suppress Osteoarthritis Progression.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

40. 陳崇桓, 林怡珊, 傅尹志, 張瑞根, 林松彥, 汪在婕, 何美玲

The effects of (-)-epigallocatechin-3-gallate (EGCG) on fracture healing.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

41. Yin-Chih Fu, Chung-Hwan Chen, Chau-Zen Wang, Yan-Hsiung Wang, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**, Chih-Kuang Wang

Osteo-inductive Effect of the novel calcium sulfate bone graft containing simvastatin : in vivo study.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

42. 戴宜均, 王耀賢, 陳崇桓, 張瑞根, 何美玲

Simvastatin stimulates osteogenesis in mBMSCs through activating RhoA signaling.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

43. 張智翔, 張瑞根, 王志光, 何美玲

Combination use of hyaluronic acid and non-proteinous drugs as bio-factors to enhance chondrogenesis of stem cells for tissue engineering.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

44. 莊淑君, 戴宜均, 黃嵩程, 張瑞根, 何美玲

Cyclooxygenase-2 contributes to osteogenic-differentiation via FOXO 3 $\alpha$ /p27kip1 in murine bone marrow mesenchymal stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

45. 莊淑君, 蕭伯倫, 張力夫, 何美玲, 張瑞根

G protein-coupled estrogen receptor-1(GPER-1) contributes to osteogenic-differentiation in murine bone marrow mesenchymal stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 26-27, 2013

46. (Invited speaker) **Mei-Ling Ho**

Parathyroid Hormone (1-34) Suppress Osteoarthritis Progression.

8<sup>th</sup> Combined Meeting of Orthopaedic Research Societies, Venice, Italy, Oct 13-16, 2013

47. 饒國廷, 張瑞根, 陳崇桓, 林怡珊, 王國照, 何美玲

The Effect of Parathyroid Hormone(1-34) on Articular Cartilage Surface Lesion-Induced Post-Traumatic Osteoarthritis

中華民國骨科醫學會102年度第64次春季聯合學術研討會, Taitung, Taiwan, Apr 20, 2013

48. (Invited speaker) 何美玲

骨研中心的研究與發展

高醫骨科部五十周年慶學術發表會, Kaohsiung, Taiwan, Mar 30, 2013

49. 張智翔, 吳順成, 張瑞根, 陳崇桓, 何美玲

Combined use of hyaluronic acid and non-proteinous drugs as bio-factors to enhance chondrogenesis of stem cells for tissue engineering.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar

2, 2013

50. 莊淑君, 戴宜均, 張瑞根, **何美玲**

Cyclooxygenase-2 contributes to osteogenic-differentiation via p27kip1 in murine bone marrow mesenchymal stem cells.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar 2, 2013

51. 莊淑君, 張力夫, **何美玲**, 張瑞根

Simvastatin-stimulated osteogenic effects is related to estrogen receptor in osteogenic lineage cells.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar 2, 2013

52. 王耀賢, 路卡曼, 王志光, 蔡紫琳, 劉瓊月, 張瑞根, **何美玲**

PLGA-alendronate enhances bone repair in femoral bone defect in rats.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar 2, 2013

53. I-Chun Tai, Yao-Hsien Wang, Je-Ken Chang, **Mei-Ling Ho**

Rhoa downstream signaling and regulated cytoskeleton tension was involved in simvastatin induced osteogenesis in mouse bone marrow mesenchymal stem cells.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar 2, 2013

54. (Invited speaker) **Mei-Ling Ho**

Application of adipose derived stem cells on articular cartilage regeneration.

2013 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Mar 2, 2013

55. Shu-Chun Chuang, I-Chun Tai, Je-Ken Chang, **Mei-Ling Ho**

Cyclooxygenase-2 contributes to osteogenic-differentiation via p27kip1 in murine bone marrow mesenchymal stem cells.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

56. Chih-Hsiang Chang, Chau-Zen Wang, Je-Ken Chang, **Mei-Ling Ho**

The susceptible alendronate-treatment timing and dosage for osteogenesis enhancement in hBMSCs.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

57. Chung-Hwan Chen, Yi-Shan Lin, Yin-Chih Fu, **Mei-Ling Ho**, Je-Ken Chang, Sung-Yen Lin, Chih-Kuang Wang

Intra-articular Parathyroid Hormone (1-34) Improved Knee Osteoarthritis And Function In Guinea Pig with Spontaneous Osteoarthritis.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

58. Chih-Kuang Wang, Yin-Chih Fu, Tzu-Fun Fu, Hung-Jen Wang, Chau-Zen Wang, **Mei-Ling Ho**
- Synthesis and Characterization of Aspartic acid Modify PLGA-g-PEG Nanoparticles for Bone

Targeting.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

59. Yin Chih Fu, Shih-Ciang Chien, Chung-Hwan Chen, Je-Ken Chang, **Mei-Ling Ho**, Chih-Kuang Wang

Porous bioceramic was fabricated using thermo-responsive hydrogel combined with controlled- release of rhBMP-2 carriers for non-union bone defect.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

60. Shu-Chun Chuang, Li-Fu Chang, **Mei-Ling Ho**, Je-Ken Chang

Simvastatin-stimulated osteogenic effects is related to estrogen receptor  $\alpha$  in osteogenic lineage cells.

2013 Annual Meeting of the Orthopaedic Research Society, San Antonio, USA, Jan 26-29, 2013

61. 陳崇桓\*, 林宜珊, 張瑞根, 傅尹志, 林松彥, 何美玲

The effects of catechin on fracture healing.

IOF Regionals 3rd Asia-Pacific Osteoporosis Meeting, Kuala Lumpur, Malaysia, Dec 13-16, 2012

62. Y.C. Fu, C.H. Chen, S.C. Chien, J.K. Chang, **M.L. Ho**, C.K. Wang

Porous bioceramics were fabricated using reversed thermo-responsive hydrogel as template and combined with rhBMP-2 carriers.

12th Asian BioCeramics (ABC2012) Symposium, Tainan, Taiwan, November 18-21, 2012

63. 陳崇桓, 林宜珊, 張瑞根, 傅尹志, 林松彥, 王國照, 何美玲

Intra-Articular Parathyroid Hormone (1-34) Improved Knee Osteoarthritis and Function in Guinea Pig with Spontaneous Osteoarthritis.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 27-28, 2012

64. 傅尹志, 陳崇桓, 張瑞根, 何美玲, 王志光, 王國照

Porous Bioceramic was Fabricated Using Thermo-Responsive Hydrogel Combined with Controlled-Release of rhBMP-2 Carriers for Non-union Bone Defect.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 27-28, 2012

65. (Invited speaker) **Mei-Ling Ho**

The interpretation of Chi-Gong(Qi-Gong) in physiologic aspect.

2012 Hong Kong-Taiwan Physiology Symposium, Hong Kong, Jun 14, 2012

66. IC Tai, YH Wang, JK Chang, **ML Ho**

RhoA signaling contributes to statin-induced osteogenesis in bone marrow mesenchymal stem cells.

2012 Hong Kong-Taiwan Physiology Symposium, Hong Kong, Jun 14, 2012

67. Pei-Yi Huang, Yi-Shan Lin, Sung-Yen Lin, Chau-Zen Wang, **Mei-Ling Ho**

The regeneration of full-thickness articular cartilage defect with hADSCs loaded HA/Fibrin gel in a porcine model.

2012 Hong Kong-Taiwan Physiology Symposium, Hong Kong, Jun 14, 2012

68. C.K. Wang\*, Y.C. Fu, **M.L. Ho**, C.Z. Wang

Bioceramic scaffolds combined with controlled release of rhBMP-2 microcarriers for non-union bone healing.

9th World Biomaterials Congress (WBC), Chengdu, China, 1-5 June, 2012

69. (Invited speaker) **Mei-Ling Ho**

Controlled release drug carrier system to deliver peptide intra-articularly for osteoarthritis treatment.

生命科學暨化學跨領域學術研討會, Kaohsiung, Taiwan, Mar 21-22, 2012

70. 戴宜均, 王耀賢, 張瑞根, **何美玲**

Rho A signaling Contributes to Statin-Induced Osteogenesis in Bone Marrow Mesenchymal Stem Cells.

2012 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Feb 25, 2012

71. 黃珮詒, 林怡珊, 林松彥, 王昭仁, **何美玲**

Hyaluronan-enriched Fibrin Gel Enhances Chondrogenesis of Human Adipose-derived Stem Cells for Chondro-Defect Repair in Explant Cultures.

2012 Annual Meeting of Formosa Association of Regenerative Medicine, Taipei, Taiwan, Feb 25, 2012

72. Shu-Chun Chuang, Li Fu Chang, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang

Estrogen receptor and GRP30 contribute to simvastatin-stimulated osteogenic effects on murine bone marrow mesenchymal stem cells.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

73. Shu-Chun Chuang, Ching-Ju Li, Gwo-Jaw Wang, Je-Ken Chang, **Mei-Ling Ho**

Cyclooxygenase-2 contributes to osteogenic-differentiation on murine bone marrow mesenchymal stem cells.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

74. Yao-Hsien Wang, Hsueh Chun Wang, Rajalashmanan Eswaramoorthy, Je-ken Chang, Gwo-Jaw Wang, **Mei Ling Ho**

Development of the intra-articular injectable controlled-release PTH(1-34)/HA-MA hydrogel for osteoarthritis treatment.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

75. Yu-Fang Chang, **Mei-Ling Ho**, Je-Ken Chang, Gwo-Jaw Wang

The Study of Molecular Mechanisms of Alendronate on Enhancing Osteogenesis in Human Mesenchymal Stem Cells.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

76. Yao-Hsien Wang, R. Eswaramoorthy, Tzu-Lin Tsai, Cyong-Yue Liu, Je-Ken Chang, **Mei-Ling Ho**



PLGA-Alendronate enhances bone repair in femoral bone defect in rats.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

77. Chau-Zen Wang, Tzu Hsiang Lin, Rajalashmanan Eswaramoorthy, Shun-Cheng Wu, Je-Ken Chang, Gwo-Jaw Wang, **Mei Ling Ho**

Development of injectable hyaluronan modified thermo-responsive hydrogel for adipose-derived stem cell based articular cartilage tissue engineering.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

78. Chau-Zen Wang, Gwo-Jaw Wang, **Mei Ling Ho**, Chia-Hsin Chen

Enhancement of transforming growth factor beta 1 and type I collagen expressions in tenocytes through low-magnitude vertical vibration stimulation.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

79. Jian-Chih Chen, Ru-Wei Lin, Rita Santos Wu, Yi-Shan Lin, **Mei-Ling Ho**, Je-ken Chang, Shao-Hung Hung, Yin-Chih Fu, Gwo-Jaw Wang, Chung-Hwan Chen

Intraperitoneal injection of (-)-epigallocatechin-3-gallate (EGCG) increases osteogenesis in ovariectomized rats.

2012 Annual Meeting of the Orthopaedic Research Society, San Francisco, USA, Feb 4-7, 2012

80. (Invited speaker) **Mei-Ling Ho**

PTH(1-34) used for osteoarthritis treatment – from basic to pre-clinical study.

轉譯醫學在骨科醫學領域扮演的角色研討會, Kaohsiung, Nov 26, 2011

81. I.C. Tai, J.K. Chang, C.J. Wang, **M.L. Ho**

Rho A Signalling Contributes to Statin-induced Osteogenesis in Bone Marrow Mesenchymal Stem Cells

2011 International Symposium on Recent Advances in Pluripotent Stem Cells & 7th Annual Meeting of TSSCR, Taipei, Oct 1-2, 2011.

82. T.H. Lin, R. Eswaramoorthy, S.C. Wu, J.K. Chang, G.J. Wang, **M.L. Ho**

Development of Injectable Hyaluronan Modified Thermo-responsive Hydrogel for Adipose-derived Stem Cell Based Articular Cartilage Tissue Engineering.

2011 International Symposium on Recent Advances in Pluripotent Stem Cells & 7th Annual Meeting of TSSCR, Taipei, Oct 1-2, 2011.

83. S.H. Chuang, C.J. Li, G.J. Wang, J.K. Chang, **M.L. Ho**

Cyclooxygenase-2 Contributes to Osteogenic-differentiation on Murine Bone Marrow Mesenchymal Stem Cells.

2011 International Symposium on Recent Advances in Pluripotent Stem Cells & 7th Annual Meeting of TSSCR, Taipei, Oct 1-2, 2011.

84. (Invited speaker) **Mei-Ling Ho**

An Approach for Osteoporosis Treatment with Statins

Main Theme of the 2011 Annual Meeting of The Taiwanese Osteoporosis Association(中華民國骨質疏鬆症學會 100 年度會員大會暨學術研討會), Taipei, Aug 27-28, 2011.

85. C.K.Wang\*, Y.C. Fu, , C.Z. Wang, S.C. Chien, **M.L. Ho**  
Biodegradable Bis(PLGA-*phe*-PEG)-qDETA Cationic Nanoparticles for Local Hydrophobic Drug Delivery  
The 38th Annual Meeting & Exposition of the Controlled Release Society, National Harbor, Maryland, U.S.A, Jul 30 - Aug 3, 2011.
86. C.K. Wang\*; Y.C. Fu, S.C. Chien, C.Z. Wang, **M.L. Ho**  
Biphasic calcium phosphate porous scaffold made by Thermo-Responsive Hydrogel  
29<sup>th</sup> ANNUAL CONFERENCE of the CANADIAN BIOMATERIALS SOCIETY, Vancouver , Canada, June 1-4, 2011.
87. (Invited speaker) **Mei-Ling Ho**  
Application of PTH(1-34) on osteoarthritis treatment.  
Physiology Symposium 2011 (台港生理研討會), Chiayi, Taiwan, Apr 1-2, 2011
88. **Mei-Ling Ho\***, Rajalakshmanan Eswaramoorthy, Chia-Chi Chang, Shun-Cheng Wu, Je-Ken Chang, Gwo-Jaw Wang  
Effect of controlled released PTH (1-34) encapsulated PLGA microspheres on treatment of early osteoarthritis in rat  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
89. Chung-Hwan Chen\*, Yi-Shan Lin, Shun-Cheng Wu, Shao-Hung Hung, Yin-Chih Fu, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Parathyroid hormone (1-34) improved knee osteoarthritis and function in rats with anterior cruciate ligament transaction  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
90. Hui-Ting Chen, Shu-Chun Chuang, Song-Chen Huang, Mon-Guan Lee, Chung-Hwan Chen, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang\*  
Suppression of PPAR  $\gamma$  enhances osteogenic differentiation and bone formation  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
91. Shu-Chun Chuang, Ching-Ju Li, Chung-Hwan Chen, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang\*  
Estrogen Receptor contributed to simvastatin-stimulated osteogenic effects on osteogenic lineage cells  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
92. Rajalakshmanan Eswaramoorthy, Hsueh-Chun Wang, Je-Ken Chang, Gwo-Jaw Wang,

**Mei-Ling Ho**

A pilot study on sustained release of PTH(1-34) from encapsulated injectable photocrosslinked hyaluronan hydrogel

2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011

93. Chia-Hsin Chen, Chau-Zen Wang, Yan-Hsiung Wang, **Mei-Ling Ho**, Mao-Hsiung Huang  
Low-magnitude vertical vibration enhances myotube formation in C2C12 myoblasts  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
94. Ching-Ju Li, Li-Chi Tai, Cyong-Yue Liu, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Toona Sinensis enhanced osteosarcoma cell apoptosis via increasing Bax/Bcl-2 ratio  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
95. Yan-Hsiung Wang, Pj Chou, Gwo-Jaw Wang, **Mei-Ling Ho**, Ming-Long Yeh, Chia-Hsin Chen  
Suspension Cultured Human Adipose-Derived Stem Cells Maintain the Stemness Properties  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
96. Ching-Ju Li, SHu-Chun Chuang, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Constitutively Expressed COX-2 Contributes to the Earlier Stage of Bone Growth in Cultured Calvaria  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
97. Shun-Cheng Wu, Rajalakshmanan Eswaramoorthy, Je-Ken Chang, Yi-Shan Lin, Ya-Ting Yang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Molecular weight of hyaluronan alters its potential of chondrogenic effect on adipose derived stem cells  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
98. Rajalakshmanan Eswaramoorthy, Tzu-Hsiang Lin, Shun-Cheng Wu, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
A Novel hyaluronan thermoresponsive hydrogel for hADSCs transplantation in cartilage tissue engineering  
2011 Annual Meeting of the Orthopaedic Research Society, Long Beach, USA, Jan 13-16, 2011
99. Shun-Cheng Wu, Rajalakshmanan Eswaramoorthy, Je-Ken Chang, Yi-Shan Lin, Ya-Ting Yang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Molecular weight of hyaluronan alters its potential of chondrogenic effect on adipose derived stem cells.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),

Taipei, Taiwan, Nov 4-7, 2010

100. HT Chen, SC Chuang, SC Huang, MJ Lee, CH Chen, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang  
Suppression of ppar $\gamma$  enhances osteogenic differentiation and bone formation.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
101. Rajalakshmanan Eswaramoorthy, Chia-Chi Chang, Shun-Cheng Wu, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
Effect of controlled released PTH (1-34) encapsulated PLGA microspheres on treatment of early osteoarthritis in rat.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
102. Chung-Hwan Chen, Yi-Shan Lin, Je-Ken Chang, Shau-Hung Hung, Shun-Cheng Wu, Yin-Chih Fu, Gwo-Jaw Wang, **Mei-Ling Ho**  
Parathyroid hormone (1-34) improved knee osteoarthritis and function in rats.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
103. SH Chuang, CJ Li, CH Chen, GJ Wang, **ML Ho**, JK Chang  
Estrogen receptor contributed to simvastatin-stimulated osteogenic effects on osteogenic lineage cells.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
104. Yin-Chih Fu, Chih-Chun Lin, Je-Ken Chang, Chung-Hwan Chen, Kao-Chi Chung, Gwo-Jaw Wang, **Mei-Ling Ho**  
A novel single pulsed electromagnetic field stimulates the osteogenesis and angiogenesis ---- in vitro and in vivo study.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
105. Chau-Zen Wang, **Mei-Ling Ho**, Je Ken Chang  
The roles of  $\alpha 5$  integrin in the simvastatin-induced osteogenesis in bone marrow mesenchymal stem cells.  
The Combined Academic Conference of 16th Triennial Congress of Asia Pacific Orthopaedic Association (APOA) and 59th Annual Meeting of Taiwan Orthopedic Association (TOA),  
Taipei, Taiwan, Nov 4-7, 2010
106. JK Chang, SH Chuang, YZ Huang, CJ Li, CH Chen, **ML Ho**

Simvastatin might enhances osteogenesis of osteogenic lineage cells through estrogen receptor.  
7th Combined Meeting of the Orthopaedic Research Societies, Kyoto, Japan, Oct 16-20, 2010

- 107.**Mei-Ling Ho**, Chau-Zen Wang, Shih-Mao Chen, Chung-Hwan Chen, Chih-Kuang Wang,  
Gwo-Jaw Wang, Je-Ken Chang  
Local Delivery of Alendronate Enhances Human Adipose Derived Stem Cell Based Bone  
Regeneration.

7th Combined Meeting of the Orthopaedic Research Societies, Kyoto, Japan, Oct 16-20, 2010

- 108.(Invited speaker) **Mei-Ling Ho**

Adipose-derived stem cell based bone and cartilage regeneration.

2010 Inflammation, Stem cell and Carcinogenesis Symposium, Kaohsiung, Taiwan, May 15,  
2010

- 109.(Invited speaker) **Mei-Ling Ho**

The Study of Adipose-derived Stem Cell Based Articular Cartilage Regeneration

The XXV Joint Annual Conference of Biomedical Science (2010) (第 25 屆生物醫學聯合學術年會), Taipei, Taiwan, Mar 27-28, 2010

- 110.Ching-Ju Li, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**

COX-2 Involves in the Regulation of Akt/FOXO-3a/p27Kip1 Signal transduction in Human  
Osteoblasts.

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9,  
2010

- 111.SH Chuang, YZ Huang, CJ Li, CH Chen, **ML Ho**, JK Chang

Estrogen Receptor Antagonist Reverses the osteogenic effects of Simvastatin on Mouse  
Mesenchymal Stem Cell

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9,  
2010

- 112.SC Wu, E. Rajalakshmanan, JK Chang, GJ Wang, **ML Ho**

The hyaluronan pretreatment promote chondrogenic differentiation of adipose derived stem  
cell in a fibrin hydrogel

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9,  
2010

- 113.RW Lin, YH Wang, HC Chu, SC Lai, HC Lin, JK Chang, **ML Ho**, GJ Wang

Bone regeneration in critical size defect by hBMSCs mediated BMP-2 non-viral gene transfer.

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9,  
2010

- 114.RW Lin, **ML Ho**, GJ Wang

Anti-osteoporotic evaluation of certain 3-amino-2-hydroxypropoxyisoflavone derivatives.

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9,  
2010

- 115.E. Rajalakshmanan, SC Wu, LC Tai, JK Chang, GJ Wang, **ML Ho**

Transplantation of hADSCs combined PLGA cross-linked alendronate enhances bone repair in rats.

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9, 2010

116. LC Tai, CJ Wang, YC Fu, JK Chang, E. Rajalakshmanan, **ML Ho**

Effect of controlled Local Delivery of Simvastatin/PLGA Carrier on Bone Healing.

The 56th Annual Meeting of Orthopaedic Research Society, New Orleans, USA, Mar 6-9, 2010

117. SC Wu, E. Rajalakshmanan, JK Chang, GJ Wang, **ML Ho**

The hyaluronan pretreatment promote chondrogenic differentiation of human adipose derived stem cell in a fibrin hydrogel

2010 Annual Meeting of Formosa Association of Regenerative Medicine Scientific Program, Taipei, Taiwan, Feb27-28, 2010

118. 陳建勳, Yin-Chih Fu, Hemin Nie, Chi-Hwa Wang, **Mei-Ling Ho**

Development of controlled-release drug carriers for regenerating large bone defect.

2010 Annual Meeting of Formosa Association of Regenerative Medicine Scientific Program, Taipei, Taiwan, Feb27-28, 2010

119. E. Rajalakshmanan, SC Wu, LC Tai, JK Chang, GJ Wang, **ML Ho**

Effect of PLGA cross linked alendronate microspheres on osteogenesis of adipose derived stem cell.

2010 Annual Meeting of Formosa Association of Regenerative Medicine Scientific Program, Taipei, Taiwan, Feb27-28, 2010

120. E. Rajalakshmanan, CC Chang, SC Wu, LC Tai, JK Chang, GJ Wang, **ML Ho**

In-vitro study on controlled release of PTH(1-34) from encapsulated Poly(Lactic-Glycolic)Acid microspheres.

2010 Annual Meeting of Formosa Association of Regenerative Medicine Scientific Program, Taipei, Taiwan, Feb27-28, 2010

121. 林摯鈞, 戴莉琦, 陳崇桓, 張瑞根, 王國照, **何美玲**

A novel single pulsed electromagnetic field stimulates the osteogenesis and angiogenesis in vitro and in vivo study.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

122. 路卡曼, 吳順成, 戴莉琦, 張瑞根, 王國照, **何美玲**

Effects of PLGA cross linked Alendronate on Osteogenesis of adipose derived stem cell.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

123. 戴莉琦, 傅尹志, 張瑞根, 王國照, **何美玲**

Effect of local delivery of control release simvastation/PLGA carried on bone healing.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

124. 張家齊, 王國照, **何美玲**

Fabrication and characterization of poly(lactic-co-glycolic acid) microspheres carrying parathyroid hormone(1-34).

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

125. 吳順成, 張瑞根, 王志光, 王國照, 何美玲

Hyaluronan-enriched microenvironment induces chondrogenic differentiation of human adipose derived stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

126. 洪永豐, 張瑞根, 何美玲, 王國照, 王昭仁

The role of discoidin domain receptors in chondrogenesis of human mesenchymal stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

127. 張玉芳, 陳健馥, 陳世茂, 張瑞根, 王國照, 何美玲

A new synthetic isoflavonoid, TCH2972, enhances osteogenesis in cultured human adipose derived stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

128. 陳世茂, 張瑞根, 陳健馥, 張玉芳, 王國照, 何美玲

Effect of alendronate on enhancing osteogenesis of human adipose derived stem cells in tissue engineering for bone repair.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

129. 林怡珊, 林摯鈞, 王國照, 鍾高基, 張瑞根, 何美玲

The effect of electromagnetic field stimulation on chondrogenic differentiation of human adipose-derived stem cells.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

130. 李靜如, 張瑞根, 周佳璇, 王國照, 何美玲

Cyclooxygenase-2 involves in Akt/FOXO-3a/p27<sup>kip1</sup> signal transduction and regulates proliferation and differentiation in human osteoblasts.

Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 24-25, 2009

131. (Invited speaker) **Mei-Ling Ho:**

Application of Controlled-Release Biomaterial Carrying Osteo-Inductive Factor for Bone Regeneration.

International Tissue Engineering Forum (台灣再生醫學學會組織工程國際研討會), Taipei, Taiwan, Oct 24-25, 2009

132. Yu-Fang Chang, Chien-Fu Chen, Shin-Mon Chen, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**

A new synthetic isoflavonoid, TCH2972, enhances osteogenesis in cultured human adipose derived stem cells.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

133. Chau-Zen Wang, **Mei-Ling Ho**, Gwo-Jaw Wang, Je-Ken Chang, Che-Yu Hsu

A time course and dose-dependent effect of alendronate on the osteogenic differentiation of human bone marrow derived stem cells.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

134. Chih Chun Lin, Yi Shan Lin, Gwo Jaw Wang, Kao Chi Chung, **Mei Ling Ho**

A novel single pulsed electromagnetic field stimulates the osteogenesis of human bone marrow derived mesenchymal stem cells.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

135. Yi-Shan Lin, Chin-Chun Lin, Gwo-Jaw Wang, Kao-Chi Chung, Je-Ken Chang, **Mei-Ling Ho**

The effect of electromagnetic field stimulation on chondrogenic differentiation of human adipose-derived stem cells.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

136. Shih-Mao Chen, Je-Ken Chang, Chien-Fu Chen, Yu-Fang Chang, Gwo-Jaw Wang, **Mei-Ling Ho**

Effect of alendronate on enhancing osteogenesis of human adipose derived stem cells in tissue engineering for bone repair.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

137. Ching-Ju Li, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**

Cyclooxygenase-2 involves in AKT/ FOXO-3a/p27<sup>kip1</sup> signal transduction and regulates proliferation and differentiation in human osteoblasts.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

138. Ching-Ju Li, Je-Ken Chang, Chia-Hsuan Chou, Gwo-Jaw Wang, **Mei-Ling Ho**

The PI3K/AKT/FOXO-3a/p27<sup>kip1</sup> pathway contribute to anti-inflammatory drug caused suppression of proliferation in human osteoblasts.

The 36th Congress of the International Union of Physiological Sciences, Kyoto, Japan, Jul 28-Aug 1, 2009

139. (Invited speaker) **Mei-Ling Ho:**

Enhancement of chondrogenesis of human adipose derived stem cells in Hyaluronan-enriched microenvironment.

International Symposium of Stem Cells and Bioengineering(台灣幹細胞學會年會暨幹細胞與生物工程國際研討會), Tainan, Taiwan, May16-17, 2009

140. (Invited speaker) **Mei-Ling Ho:**

The effect and molecular mechanism of anti-inflammatory drugs on proliferation in osteogenic cells.

台灣骨科研究學會骨科第 56 次春季聯合學術研討會, Taipei, Apr, 2009

141. Chung-Hwan Chen, Je-Ken Chang, **Mei-Ling Ho**, Shao-Hung Hung, Heng-Chia Chiu



Longitudinal Changes in Bone Mineral Density for Healthy Female Elders in Southern Taiwan.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009

142. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Gwo-Jaw Wang  
(-)-EPIGALLOCATECHIN-3-GALLATE  
(EGCG) ENHANCES OSTEOGENESIS IN HUMAN BONE MARROW STROMAL  
CELLS.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
143. Ching-Ju Li; Je-Ken Chang; Chia-Hsuan Chou; Gwo-Jaw Wang; **Mei-Ling Ho**  
Anti-inflammatory Drugs Enhance p27Kip1 Expression via PI3K/Akt/FoxO-3a Pathway in  
Human Osteoblasts: A Mechanism of Anti-inflammatory Drug Effect on Proliferation.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
144. Yan-Hsiung Wang, Mon-Juan Lee, Je-Ken Chang, **Mei-Ling Ho**, Hai-Chang Chu, Shu-Chin  
Lai, Gwo-Jaw Wang  
Transfection of Human Bone Marrow Stromal Cells Using Microporation, an Effective  
Non-Viral Transfection Technique.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
145. Chih-Chun Lin, Yi-Shan Lin, Gwo-Jaw Wang, Kao-Chi Chung, **Mei-Ling Ho**  
A Novel Single Pulsed Electromagnetic Field Stimulates the Osteogenesis of Human Bone  
Marrow Derived Mesenchymal Stem Cells.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
146. Yin-Chih Fu, Hemin Nie, Chi-Hwa Wang, **Mei-Ling Ho**  
BMP-2 plasmid loaded PLGA/HAp composite scaffolds for treatment of bone defects in nude  
mice.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
147. Ching-Hua Yeh, Je-Ken Chang, **Mei-Ling Ho**, Chung-Hwan Chen, Gwo-Jaw Wang  
Different differentiation potential of stroma cells from patients with and without osteonecrosis.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
148. Yu-Fang Chang, Chien-Fu Chen, Shih-Mao Chen, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling  
Ho**  
A new synthetic isoflavonoid, TCH2972, enhances osteogenesis in cultured human adipose  
derived stem cells.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
149. **Mei-Ling Ho**, Shun-Cheng Wu, JK Chang, CK Wang, GJ Wang  
Hyaluronan-Enriched Microenvironment Induces Chondrogenic Differentiation of Human  
Adipose Derived Stem Cells  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
150. Ru-Wei Lin, **Mei-Ling Ho**, Yan-Hsiung Wang, Ih-Sheng Chen, Gwo-Jaw Wang  
Green tea polyphenols inhibit osteoclastic differentiation.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009

151. Yi-Shan Lin, Chih-Chun Lin, Gwo-Jaw Wang, Kao-Chi Chung, Shun-Cheng Wu, Je-Ken Chang, **Mei-Ling Ho**  
The Effect of Electromagnetic Field Stimulation on Chondrogenic Differentiation of Human Adipose-Derived Stem Cells.  
The 55th Annual Meeting of Orthopaedic Research Society, Las Vegas, USA, Feb 22-25, 2009
152. (Invited speaker) **Mei-Ling Ho**:  
Stem cell and/or growth factor based bone regeneration.  
2009 Annual Meeting of Formosa Association of Regenerative Medicine (98 年度台灣再生醫學學會學術研討會暨會員大會), Taipei, Feb 14, 2009
153. (Invited speaker) **Mei-Ling Ho**:  
Effects of anti-inflammatory drugs on bone.  
高雄長庚醫院骨科專題演講, Dec 16, 2008
154. 傅尹志, 蔡宗憲, 陳思賢, 何美玲, 鄭寶樹, 王志光  
新熱敏感型多孔水膠支架之製備與性質.  
生物醫學工程 2008 年研討會, Dec 12-14, 2008
155. Lu CM, Tseng CH, Chang FS, Chen YL, Wang GJ, **Ho ML**, Tzeng CC  
Synthesis and Anti-osteoporotic Evaluations of Certain 3-Amino-2-hydroxypropoxyisoflavone Derivatives.  
Annual Meeting of Pharmaceutical Society of Taiwan, Taipei, Taiwan, Nov 22, 2008
156. 李孟娟, 陳惠亭, 陳宜慧, 王欣誼, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang  
The bone repair and formation potentials of adipose tissue-derived stem cells.  
Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 25-26, 2008
157. 李孟娟, 黃昭敏, 陳惠亭, Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang  
PPAR $\gamma$  mRNA interference may promote osteogenic gene expression of adipose tissue-derived stem cells.  
Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 25-26, 2008
158. 陳世茂, Je-Ken Chang, 陳健馥, 張玉芳, Gwo-Jaw Wang, **Mei-Ling Ho**  
Effects of Alendronate on enhancing osteogenesis of human adipose derived stem cells in tissue engineering for bone repair.  
Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 25-26, 2008
159. 李靜如, Je-Ken Chang, 周佳璇, Gwo-Jaw Wang, **Mei-Ling Ho**  
Anti-inflammatory drugs enhance p27Kip1 expression via PI3K/Akt/FOXO-3a pathway in human osteoblasts: the machinery of anti-inflammatory drugs on proliferation.  
Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 25-26, 2008
160. Lu CM, Chen YL, Wang GJ, **Ho ML**, Tzeng CC  
Synthesis and Anti-osteoporotic Evaluations of Certain 3-Amino-2-hydroxypropoxyisoflavone Derivatives.  
The 6th International Symposium for Chinese Medicinal Chemists (ISCMC 2008), Shanghai,

China, Jul 28-Aug 2, 2008

161. Hui-Ting Chen, **Mei-Ling Ho**, Mon-Juan Lee, Chung-Hwan Chen, Hsin-I Wang, Yi-Hui Chen, Gwo-Jaw Wang, Je-Ken Chang  
Osteogenic potential of human adipose tissue-derived stem cells in the elderly osteoporotic population.  
Sixth ISSCR Annual Meeting, Philadelphia, USA, Jun 11-14, 2008
162. Y.C. Fu\*, H. Nie, **M.L. Ho**, C.K. Wang, H. Huang, C.H. Wang  
Optimized bone regeneration based on sustained release from 3D scaffold.  
The 35th European Calcified Tissue Society, Barcelona, Spain, May 24-28, 2008
163. Ching-Ju Li, Je-Ken Chang, Gwo-Jaw Wang, Chia-Hsuan Chou, **Mei-Ling Ho**  
Anti-inflammatory Drugs Enhance P27Kip1 Expression via PI3K/Akt Pathway in Human Osteoblasts  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008
164. Chih-Chun Lin, Kao-Chi Chung, Gwo-Jaw Wang, **Mei-Ling Ho**  
Effect of Electromagnetic Field Stimulation on Proliferation and Osteogenic Differentiation of Human Mesenchymal Stem Cells  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008
165. Ru-Wei Lin, **Mei-Ling Ho**, Yan-Hsiung Wang, Ih-Sheng Chen, Gwo-Jaw Wang  
Green tea catechin (-)-epigallocatechin-3-gallate inhibits bone resorption via suppression of nf- $\kappa$ b  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008
166. Yan-Hsiung Wang, **Mei-Ling Ho**, Hai-Chang Chu, Shu-Chin Lai, Gwo-Jaw Wang  
Microporation- A valuable transfection method for gene expression in human adipose tissue-derived stem cells  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008
167. Ching-Hua Yeh, Je-Ken Chang, Yan-Hsiung Wang, **Mei-Ling Ho**, Gwo-Jaw Wang  
Ethanol Suppresses Wnt/ $\beta$ -catenin Signaling on Human Bone Marrow Stroma Cells  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008
168. **Mei-Ling Ho**, Chain-Fu Chen, Yu-fang Chang, Che-Yu Hsu, Mao-Shi Chen, Je-Ken Chang, Gwo-Jaw Wang  
Alendronate enhances osteogenic differentiation in human mesenchymal stem cells derived from bone marrow and adipose tissue  
The 54th Annual Meeting of Orthopaedic Research Society, San Francisco, USA, Mar 2-5, 2008

169. Yan-hsiung Wang, **Mei-Ling Ho**, Hui-chang Chu, Gwo-Jaw Wang  
 Microporation is a valuable transfection method for gene expression in human adipose tissue-derived stem cells  
 Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 27-28, 2007
170. Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh, Yan-hsiung Wang, Gwo-Jaw Wang  
 Ethanol Suppresses Osteogenesis but Enhance Adipogenesis Through Wnt Signal Pathway on Cultured Human Bone Marrow Stroma Cells  
 Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 27-28, 2007
171. Chih Chun Lin, Kao-Chi Chung, Gwo-Jaw Wang, **Mei-Ling Ho**  
 Effect of Electromagnetic Field Stimulation on Proliferation and Osteogenic Differentiation of Human Mesenchymal Stem Cells  
 Annual Meeting of Taiwan Orthopedic Association, Taipei, Taiwan, Oct 27-28, 2007
172. **Mei-Ling Ho**, Chain-Fu Chen, Yu-fang Chang, Che-Yu Hsu, Mao-Shi Chen, Je-Ken Chang, Gwo-Jaw Wang  
 Effects of Alendronate on The Expressions of Osteogenic and Adipogenic Genes in Human Bone Marrow Mesenchymal Stem Cells  
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173. Je-Ken Chang, Hui-Ting Chen, Cho-min Huang, Mon-Juan Lee, Gwo-Jaw Wang, **Mei-Ling Ho**  
 Enhancement of Osteogenesis through Interfering PPAR $\gamma$ 2 mRNA in 3T3-L1 Cell Line  
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174. Hsiu-Jung Liao, Je-Ken Chang, Gwo-Jaw Wang, Ching-Ju Li, **Mei-Ling Ho**  
 The effect mechanism of simvastatin on proliferation and mitochondrial function of human osteoblasts  
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175. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Gwo-Jaw Wang  
 Pioglitazone And Dexamethasone Induce Adipogenesis In D1 Bone Marrow Stromal Cell Line, But Not Through The PPAR $\gamma$  Pathway  
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176. Ru-Wei Lin, **Mei-Ling Ho**, Yan-hsiung Wang, I-Hsung Chen, Gwo-Jaw Wang  
 Green tea catechin (-)-epigallocatechin-3-gallate inhibits bone resorption via suppression of NF- $\kappa$ B  
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177. Je-Ken Chang, Chia-Hsuan Chou, Ching-Ju Li, Hsiu-Jung Liao, Gwo-Jaw Wang, **Mei-Ling Ho**  
 Different effects of simvastatin on osteogenic differentiation of human osteoblasts and bone marrow stem cells  
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178. **Mei-Ling Ho**, Hui-Ting Chen, Che-Yu Hsu, Yi-Hui Chen, Hsin-Yi Wang, Chung-Hwan Chen,

Gwo-Jaw Wang, Je-Ken Chang

Comparison of osteogenic potential at different ages between adult human adipose derived and bone marrow stem cells from same donors

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179. Je-Ken Chang, Hui-Ting Chen, Hsin-Yi Wang, Yi-Hui Chen, Chung-Hwan Chen, Gwo-Jaw Wang, **Mei-Ling Ho**

Proliferation ability of adult human adipose derived stem cells maintained with aging

6th Combined Meeting of the Orthopaedic Research Societies, Hawaii, USA, Oct 20–24, 2007

180. (Invited speaker) **Mei-Ling Ho** :

Is adipose a useful cell source for regeneration of bone and cartilage?

「幹細胞在醫學美容的運用」研討會, Tainan, Taiwan, Sep 30, 2007

181. (Invited speaker and modulator) **Mei-Ling Ho** :

Parathyroid Hormone Related Peptide prevents the Development of Osteoarthritis in Rats

The 52<sup>nd</sup> Congress of Taiwan Orthopaedic Association, Kaohsiung, Taiwan, Apr 28, 2007

182. (Invited speaker) **Mei-Ling Ho** :

Is adipose a useful cell source for regeneration of bone and cartilage?

Physiology Symposium 2007, Taipei, Taiwan, Mar 30-31, 2007

183. Ching-Ju Li, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**

The molecular mechanisms of anti-inflammatory drug effects on suppressing proliferation in human osteoblasts

Physiology Symposium 2007, Taipei, Taiwan, Mar 30-31, 2007

184. Shun-Cheng Wu, Je-Ken Chang, Chih Kuang Wang, I-Cheng Ting, Gwo-Jaw Wang, **Mei-Ling Ho**

Cytocompatibility of a noval hyaluronic acid modified biodegradable scaffold with human adipose derived stem cells for application of cartilage tissue engineering

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185. Hsiu-Jung Liao, Je-Ken Chang, Ching-Ju Li, Gwo-Jaw Wang, **Mei-Ling Ho**

Simvastatin enhances proliferation and expressions of cyclin D2 and Bcl-2 in normal human osteoblasts

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186. Chih Chun Lin, Kao-Chi Chung, Gwo-Jaw Wang, **Mei Ling Ho**

Effect of electromagnetic field on osteogenesis of human bone marrow derived mesenchymal stem cell

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187. Gwo-Jaw Wang, **Mei-Ling Ho**, Chang, Je-Ken Chang, Ling-Hua Chang

The Influence of COX-2 Inhibitors on Terminal Differentiation Changes in Cultured Human Articular Chondrocytes.

The 53rd Annual Meeting of Orthopaedic Research Society, San Diego, USA, Feb 11-14, 2007

188. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Gwo-Jaw Wang  
 (-)-Epigallo catechin-3-gallate(EGCG) increases OPG mRNA expression and protein secretion in murine bone marrow mesenchymal stem cells and osteoblasts.  
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189. Kun-Hsiang Liu, Chain-Fu Chen, Che-Yu Hsu, Je-ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
 Effects of alendronate on the expressions of osteogenic and adipogenic genes in human bone marrow mesenchymal stem cells.  
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190. Ru-Wei Lin, **Mei-Ling Ho**, Yan-hsiung Wang, I-Hsung Chen, Gwo-Jaw Wang  
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193. Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh, Yan-hsiung Wang, Gwo-Jaw Wang  
 Ethanol Suppresses Osteogenesis But Enhance Adipogenesis Through Wnt Signal Pathway on Cultured Human Bone Marrow Stroma Cells  
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 Cytocompatibility of a Noval Hyaluronic Acid Modified Biodegradable Scaffold with Human Adipose Derived Stem Cells for Application of Cartilage Tissue Engineering  
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195. Ching-Ju Li, Je-Ken Chang, Gwo-Jaw Wang, **Mei-Ling Ho**  
 Dexamethasone and Celecoxib Suppress Phosphorylation of Akt But Not Erk in Human Osteoblasts  
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196. **Mei-Ling Ho**  
 The Effects of Aledronate and Lovastatin on Osteogenesis and Adipogenesis in Human Bone Marrow Mesenchymal Stem Cells.  
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197. Je-Ken Chang, **Mei-Ling Ho**, Yi-Hui Chen, Gwo-Jaw Wang  
Preventive effect of simvastatin in estrogen-deficient osteopenia through an increase of osteogenic proteins in ovariectomized rats.  
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198. **Mei-Ling Ho**, Je-Ken Chang, Ling-Hua Chang, Gwo-Jaw Wang  
Dexamethasone effects on the expressions of marker genes in normal and terminal differentiation of cultured human articular chondrocytes.  
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Anti-proliferation effect of toona sinensis on osteosarcoma.  
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Evaluations of the in-growth of adipose derived stem cells in a three-dimensional poly dl-lactic-co-glycolic acid scaffold in vitro.  
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Effects of COX-2 Inhibitors on the Expressions of Normal Functional Genes and the Marker Genes of Terminal Differentiation in Cultured Human Articular Chondrocytes Undergoing

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Simvastatin Prevents Estrogen-Deficient Osteopenia and Increases Osteogenic Proteins in Ovariectomized Rats  
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210. Je-Ken Chang, **Mei-Ling Ho**, Yi-Hui Chen, Gwo-Jaw Wang  
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212. **Mei-Ling Ho**, Je-Ken Chang, Ling-Hua Chang, Gwo-Jaw Wang  
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213. Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh, Gwo-Jaw Wang  
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214. **Mei-Ling Ho**, Je-Ken Chang, Ching-Ju Li, Gwo-Jaw Wang  
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215. Je-Ken Chang, **Mei-Ling Ho**, Yi-Hui Chen, Gwo-Jaw Wang  
Simvastatin increases the expressions of osteogenic genes in ovariectomized rats.



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216. **Mei-Ling Ho**, Je-Ken Chang, Ching-Ju Li, Gwo-Jaw Wang  
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217. Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh, Gwo-Jaw Wang  
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218. Yin-Chih Fu, Pavan Kumar Naraharsetti, Chi-Hwa Wang, **Mei-Ling Ho**, Gau-Tyan Lin, Gwo-Jaw Wang  
In vitro and in vivo release of gentamicin from biodegradable implantable discs.  
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220. **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Hui-In Wu, Shuen-Cheng Wu, Gwo-Jaw Wang  
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222. **Mei-Ling Ho**, Ru-Wei Lin, Ih-Sheng Chen, Gwo-Jaw Wang  
Green tea catechin(-)-epigallocatechin-3-gallate inhibits osteoclastogenesis.  
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223. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Gwo-Jaw Wang  
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224. Gwo-Jaw Wang, Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung  
Green tea catechins enhance the expression of osteoprotegerin (OPG) in pluripotent stem cell  
The 11<sup>th</sup> meeting of the Combined Orthopaedic Associations, Sydney, Australia, Oct 24-29, 2004.
225. Gwo-Jaw Wang, Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh  
Effect of dexamethsone and lovastatin on the expression of BMP2 in bone marrow stroma cells cultured from patients with osteonecrosis  
The 11<sup>th</sup> meeting of the Combined Orthopaedic Associations, Sydney, Australia, Oct 24-29, 2004.
226. Gwo-Jaw Wang, **Mei-Ling Ho**, Je-Ken Chang, Shuen-Cheng Wu, Ching-Hua Yeh, Ching-Ju Li  
Effects of anti-inflammatory drugs on cytotoxicity, proliferation, and differentiation in pluripotent stem cell line  
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Three-dimensional Kinematic Analysis of Wrist Daily Functional Activity.  
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268. Yin-Chih Fu, **Mei-Ling Ho**, Gau-Tyan Lin, Gwo-Jaw Wang  
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269. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Ching-Hua Yeh, Gwo-Jaw Wang  
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273. Gwo-Jaw Wang, Je-Ken Chang, **Mei-Ling Ho**, Ching-Hua Yeh  
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274. **Mei-Ling Ho**, Je-Ken Chang, Ming-Hsiung Cho, Chi-Huei Wang, Gwo-Jaw Wang#:  
Delivery of a vector with vascular endothelial growth factor gene to the pluripotent stem cell for gene therapy.  
49<sup>th</sup> Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, Feb 2-5, 2003.
275. **Mei-Ling Ho**#, Shuen-Cheng Wu, Ching-Hua Yeh, Jing-Ru Lee, Je-Ken Chang, Gwo-Jaw Wang:  
Effects of anti-inflammatory drugs on cytotoxicity, proliferation and differentiation in pluripotent stem cell line.  
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276. Chung-Hwan Chen, **Mei-Ling Ho**, Je-Ken Chang, Shao-Hung Hung, Gwo-Jaw Wang#: :  
Green tea catechins enhance the expression of osteoprotegerin (OPG) in pluripotent stem cells.  
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- 294.Ming-Hsuang Cho, **Mei-Ling Ho**#, Je-Ken Chang, Gwo-Jaw Wang:  
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- 295.Je-Ken Chang, **Mei-Ling Ho**#, Gwo-Jaw Wang:  
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- 296.**Mei-Ling Ho**#, Shiu-Ting Tsai, Je-Ken Chang, Gwo-Jaw Wang: Nonsteroidal anti-inflammatory drugs arrest cell cycle in G0/G1 phase and induce cell death in osteoblast-enriched cultures.

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