

# **Amelioration of Adjuvant-Induced Arthritis in Rats by a Marine-Derived Compound, Excavatolide B**

Yu-Min, Sun (孫裕民)

Normal bone remodeling requires a homeostatic balance between the activities of bone-forming osteoblasts and bone-resorbing osteoclasts. Excessive osteoclast bone resorption leads to bone loss in many skeletal pathologies such as rheumatoid arthritis, periodontal disease, postmenopausal osteoporosis, implant osteolysis, and tumor-associated bone loss. (Zheng H. et al., 2006). Here, we introduced adjuvant-induced arthritis as a rheumatoid arthritis model to investigate the possible pathway of Excavatolide B, a marine-derived compound, on ameliorating the symptoms of rheumatoid arthritis.